

DESCRIPTION

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

Technical Field

5 [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
10 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]

15 [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
20 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
25 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
30 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
35 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
5 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
10 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,
15 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.

20 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]

25 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.,
30 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.
35 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
5 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.,
10 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.

15 [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
20 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
25 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 $\times$
30 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
35 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

5 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]

10 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
15 differentiation marker genes in regenerative medicine and the
like.

Means of Solving the Problems

[0009]

 The present inventors, with the aim of accomplishing the
20 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
25 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
30 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
35 "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
5 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
10 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
15 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
20 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;
- 25 (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
30 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
35 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;

5 (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

10 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,

15 (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

20 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;

25 [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

30 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

35 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
5 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;

10 [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
15 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
20 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
25 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
30 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
35 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
5 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
10 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.
15 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),
20 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
25 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),
30 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
35 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
5 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).

10 [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:
15 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
20 (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
25 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
30 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
35 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,
5 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
10 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
15 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
20 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).

25 [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
30 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
35 (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 ($\text{EXP } 1(i/A), \dots, \text{EXP } m(i/A)$) ($\text{Min}[\text{EXP } 1-m(i/A)]$) and (b) a maximum value of expression levels of the gene i in other organs and tissues (for example, B to Z) ($\text{Max}[\text{EXP } 1-m(i/B-Z)]$) $((a)/(b))$ 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
5 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
10 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
15 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
20 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
25 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,
30 (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
35 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 (hereinafter, 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

5 (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

10 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

15 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-

20 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

25 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

30 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

35 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,
 5 (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
 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
 15 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-
 20 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
 25 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
 30 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
 35 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.

5 [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 (hereinafter, 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
5 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
10 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 [³²P], [³H], [¹⁴C] and the like. Preferred examples of the enzymes are those that are
15 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
20 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
25 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
30 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
35 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
5 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
10 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,
15 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
20 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
25 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
30 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
35 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
5 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
10 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
15 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
20 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
25 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-
30 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]

35 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
5 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
10 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
15 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
20 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.

25 [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.
30 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
35 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
5 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
10 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
15 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-
20 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
25 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
30 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
35 (a) a minimum value of expression levels in the organ or

tissue A ($\text{EXP } 1(i/A), \dots \text{EXP } m(i/A)$) 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) ($\text{EXP } 1(i/B), \dots \text{EXP } m(i/B)$) ($\text{Min}[\text{EXP } 1-m(i/A,B)]$), 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) ($\text{Max}[\text{EXP } 1-m(i/C-Z)]$) $((a)/(b))$ 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 $x_1, x_2, \dots x_p$) 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 $y_1, y_2, \dots y_q$), 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 ($\text{Min}[\text{EXP } 1 - m(x_i/B)]$), 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) ($\text{Max}[\text{EXP } 1 - m(x_i/A, C-Z)]$) 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 ($\text{Min}[\text{EXP } 1 - m(y_i/A, B)]$), 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) ($\text{Max}[\text{EXP } 1 - m(y_i/C-Z)]$), 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
5 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
10 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-
15 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
20 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
25 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
30 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
35 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
25	cdNA	: complementary deoxyribonucleic acid
	A	: adenine
	T	: thymine
	G	: guanine
	C	: cytosine
30	RNA	: ribonucleic acid
	mRNA	: messenger ribonucleic acid
	dATP	: deoxyadenosine triphosphate
	dTTP	: deoxythymidine triphosphate
	dGTP	: deoxyguanosine triphosphate
35	dCTP	: deoxycytidine triphosphate

ATP : adenosine triphosphate
EDTA : ethylenediaminetetraacetic acid
SDS : sodium dodecyl sulfate

[0041]

5 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]

10 [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
15 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

20

[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
5 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
10 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
15 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
20 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
25 highly expressed specifically in the combination of organs/tissues were extracted.

[0046]

[Results]

1. Data used

30 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,
35 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.

10 [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.

25 [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

5 [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
 10 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
5 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

10 [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,
15 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,
20 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
25 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

5 [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
 10 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 $2^{(\text{Log-ratio value})}$.

15 [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
 20 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
 25 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
5 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]

10 [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
15 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,
20 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
25 samples was 10.

[0057]

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

Using the above-described method of extracting
30 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
35 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]

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]

5 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
10 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
5 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.sl_x_at,
CfaAffx.26731.1.sl_x_at and CfaAffx.13010.1.sl_x_at, which are
10 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

15 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
20 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
25 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
30 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]

35 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, 5 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, 10 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 15 samples was 4.

[0063]

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

Using the above-described method of extracting 20 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 25 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	Number of samples	Fold change			
		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]

5 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, 10 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 15 pathological examination.

[0066]

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

The gene expression data extracted were subjected to a 20 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 25 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 30 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 35 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]

5 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
10 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.

15 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."

5 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
10 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;
 - 5 (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
 - 10 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.
- 15 2. The method of claim 1, 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
 - 20 specific highly expressed gene is extracted by the method of claim 1, comprising the steps shown below;
 - (1) acquiring, for each gene, (a) a minimum value of expression levels in an organ or tissue and expression levels in another particular organ or tissue in which a specific
 - 25 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-
 - 30 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,
 - 35 (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.

5 4. The method of claim 3, wherein the organ or tissue is derived from a mammal.

5. The method of claim 4, wherein the organ or tissue is derived from a human or mouse.

10

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
15 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
20 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.

25 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
30 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
35 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
5 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.

10

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
15 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
20 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.

25 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
30 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
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 826 to 848) or a partial sequence thereof.

5 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
10 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
15 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
20 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.

25 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
30 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
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 4301 to 4329) or a partial sequence thereof.

5 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
10 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
15 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
20 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.

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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
30 sequence thereof.

SEQUENCE LISTING

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<120> Organ-specific Genes, Method for Identifying Same and Use Thereof

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<150> JP 2006-293324 @

<151> 2006-10-27

<160> 11986

<170> PatentIn version 3.3

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 gttctgggat tacaggtgcg caccaccatt ccagttttat atgtggtgct gggatcaaac 180
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agcagctggg acgncaggcc acctgtgctt gacggccctg ggaggagccc tatggccttg 180

gaggcntgcc agtcnnctg cctatgtttg tgctgtatgc ttagggaaaa gagagcacc 240

ctccctccct ttcttccctac tgctttcctn accctgatga tcgacatgtt cctccacaaa 300

tcactctgtc tccnggcntn tgtntntntg gttantttga gagcaggaat ccangnaann 360

aaaaaannnn ntttgaggtt tcatccctnt ntcctcacta tggctctnta agcaccttct 420

tggaccatct ctcacnatag gcacaaaaca gctctnatnt acctcacagt taggacttca 480

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<210> 19

<211> 501

<212> DNA

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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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 gagcattaaa ccagtcaagt tattaatgtc aaaagtctgt actttingacn tntgggagaa 180
 cacacgctag catagcttca gcacttggaa aataaggcag gaagaaagag agttcaaggc 240
 aatttttaggt taaacaataa aatcctaaga aaaccatcaa accttacttn naaataaaaa 300

ttctattggtt aatttatattt tacatttaaat ttccaataat atanatgcta actttataag 360
 ctgctatata atntctcacc agttgttaaat tatntcttgt ttatataaaa ttttngtatg 420
 taagaaatgt ttgnaaatga ctatattata ttgatttgac cnaaagaaag tttacagaat 480
 caactgtata acactaaact c 501

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

<400> 20
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 cttccaaggt aagaggagag caaaaactta ctacttcctg agctatcggt acatgttacc 120
 ctttcccagt 130

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

<400> 21
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 ttcggtttgt gtactgctga gaggaccatt aaaacgcgga gagctacgaa gatcctgtag 120
 tccgccccgc cctaggccag cgtcaacccc acaactagcc aacgatccca gtccgaaatg 180
 ggggaggttc agaagccctg cgggtcctcc cggccccctga gccacagcct ggctaacact 240
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 tagcttttct tgtttgtatg ctaaagattt cttttgtctt atgattgttg ttttgttttg 180
 tttgtttgtt ttgtaacaaa atgaaattgt ccaaggggaag gagcctttaa aacaaaagaa 240
 ccacactttc tgcaggatac aagtgtgagc tatgcgaggc ttgcctcctg tccaccctgc 300
 cccaacttc tctgtagtgg ttancccn aactcccan ccttgtcagc agnaaactaa 360
 atggtataac taccttttgg aaaactganc cttaacattt tttaaagggg aaacaagagt 420
 tctctgagtc caatagcatg agctatatat natagtgatc tatttaatac tgctgtgagc 480
 tcttgaggct gttagctccg gagcaaccct gtgtagaaag t 521

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

<400> 23
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 aagaagaaga aagcagcagg agggggcagc ctagtggggg ccagtctgcc tctgggggac 180
 tgcagttgaa gaagagtggg 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

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aatgtcacc tgtcactcag tgttagaaaa ttgcctaaaa tgcagtttaa taaatgatct      480
ttgtaccaaa ttgtaatgta aatgggggtca ttttctgcca ggaaaatgta ctgtttttat      540
gtttccaact ctcctga                                                    557

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<210> 24
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<223> n is a, c, g, or t

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tncggtatat catacataga gcacatatgt tcattctaaa tcccatttct gggaataacca      120
atacttgntc natctagaaa attcataata catacttgta acgttcaaac ac                172

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<210> 25
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<223> n is a, c, g, or t

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

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

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 agctttttggc agaaggtagt ctctgccgc tgaggctttg gttatttcct tttcctgacc 120
 atgatgggga aactgtgct caaggcagca tcaagatgga gggggccagg gccagtcaca 180
 atgctcagat aaaatgtcac catctatgtt acagataagt gtgttgaact ttctaaacca 240
 ctaagtctta gcccaactca gaaatccagc agtgaacaag aaaaacatag ggtcatgcct 300
 atggggccagg 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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 ctaagtaaaa tgcactatat ttggtcagta tgtattttatt aaggtaaaat tttctcatag 180
 ttactataat gaattaaagt ctcattattc aaaatgtcaa aagacatcac ccagcagctg 240
 ttgaaatgca taccatgagn cccacctaa gaccagccna nncagtgtan tcagctnaca 300
 tnatcccnna gagaaccttg ggcttnttac agatacatc ctctaanaca taaaggatct 360

tnttttatgt ttcaatcact tanaaataat ttggnaaac acttanatgt tttttaata 420

taaaagataa tgtgtagaaa taagcttttc acaatattaa ctttt 465

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 gtttttnatn tngtagatna cnaatnttcg catcaccaat tcnaaaccat ttagagnatg 180
 gtggggagaa anctacatat gtttgatant catttgcttt tagagtggac natatactta 240
 atgcacttta accaagggtac tattgggttt taaaaggtaa acaacaaanc ccntgaactg 300
 aatgctatac aaatgttntc atatttcatt tgnccctatc atgaattgta acatcaataa 360
 acacaag 367

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aagaattgag taaagttttc atctttggat catatgtaga ttttcctcnt tcccanatct 120

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gaggggnatac atcagcaagt aagcnatggg ttattttccc gtaganagaa tctataaaaa 180
taaantaata aaacngacaa aacaaatgaa taaacaaaaa aacacagttt ctcacacctg 240
ggaaggagct ntttttctta tgtttcaatg aggaaagcca tctctcctnc agatagaggc 300
agttatcacg gctgtggtgc taaaatgnan tcacagact gcttanaaca ttgggagnaa 360
attanagaac tttctatttt aaaatctccc catgaggttt ctgtttntc ttgtttntca 420
aatcacatct aaaatatattt gaattgaatg tntctttgat cncaatgata cnatccnaga 480
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 atgggcatcg tcgtgcggt gtgttttcat tgttgaagg tgaacagagt tctacagagt 180
 cgtggatgac attcagatgt ttcatgactt ttggatctgc gaacatntgc atttnatagt 240
 catgtatact natattgtta agaaatnadc atattttaga atttagtaag aactcagtga 300
 tanccttcat accnaaatgt ttaactttnc caanagctag tcataaaaaa gtattttattt 360
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 gnaggcggat ttctgagttc gagnccagnc tgggtctacaa agtgagttcc aggacagcca 180
 gngctacnca gagaaaccct gtctcnggaa aaanaaaatt atgtggncca ggtaaattgtc 240
 tagaaatgga attgtaggca aagcagggca naaggaaaaa antttaagta gatgaataaa 300
 tatttttaag gcanggagga atggcagttg ctnttctnnc aggggtccnc gagttnctat 360
 tnccagcatc acatggtggc tcagaactgt gtctaattcc agttccaggg aatctgacac 420
 cctcttctgg acttcaggan ccctgcatnc atgaantcct catacatata 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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 <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> 31
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 accagtccag ctccatctca tcttgccctg gtcaaagaca ggctcattat tgactggcctt 120
 gtattccaga tatggaaaca gacacttaga ggcgagatna cagacctcca gaccactctt 180
 ccatccctnc ttinnngaggn tggatncctt tcaggagggg gantnttcac cccatgtttt 240
 acaatggaga gccagggcctt cc 262

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

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

<400> 32
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 ccccatcatt ggttccccct ccagcaaaag gagaagccct tcgctgcagc cgattatcga 120
 ggggtgaaact 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
 <211> 518
 <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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 <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

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

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<222> (457)..(457)
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 <223> n is a, c, g, or t

<400> 33
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 cttatctttt cagatgtggt cttaaagcag cttgcatcac tggcaggcag cagagctccg 120
 agagccagtg gccatctctc cccagagctt ccactgaacc tctggtactt tcttttcatt 180
 cattgagacc agtcagtgtt gaacaggata atcccaactta actcagccac acgacttcca 240
 aagcagccag gccactcact aagccagagt gaagcaggcc acnggggaag gnggncggcg 300
 ccctgcagac caagagtcca gcacatcaac accgaactcc acacacgcca gagacctcca 360
 gttttaatta cccaatgtta cctcncctg caccacagca gccatccaga gtccagctaa 420
 actctaattg cagagcacn gtnnnnnnn nntgtgnccc tcctctgcag anccacttt 480
 ctgagtgtct ctcaaccctg tgcggaaact ggtattga 518

<210> 34
 <211> 254
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (127)..(127)
 <223> n is a, c, g, or t

<400> 34
 ctgtatatat ctatgcagtt caattttgta ttatgtgttt ttgatggaat cttatgtaac 60
 acttggctct tgtaaatttt gttacgagca aaaatatctt cttagggttag gtgcaaagtg 120
 acaccantgc tttgctcctt atggatatat 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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aactaccaat ggtggtgcta cttaccacac aaagcccagg cttctcagaa aacgtctgtg      60
ggagcccaga ccagcaagtc cgagctgaat gctggccata gttttaggta tttttgttt      120
caaaacttgg gtgtgaattt ttgtattcat acttctcaat gagtatgttt atactaatct      180
ttagttgcta ttactagcat atgatatgtc tacttattat caatttactg tatagaaaat      240
acatttggtg gtcatgggct ggctcagtgg gtaaagacac ttgccatgtg aacctaaaga      300
cctgagcttg atccccagag ctcacataac taaccccacc aaattgctgt      350

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

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<400> 36
ttgctggact ggtgccgagc caagaccgcg ggctacgagc acgtggacat ccagaacttc      60
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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<210> 37
<211> 340
<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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<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

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<400> 37
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gtcaatccaa gccaatatgc acttcagtac agccatgatg gaactgtttt gattgtaccc      120
aaagaactca tctcatcagg ccacaaaaag gaagcccaa agggaaagag agagagaaga      180
aactgaatag ctccagtgc cagcatcaca aactgtccaa ctattttaag attttnnaa      240

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```
gtactggtac ttgaatcatt cagttaattn tgatgtttag gaatcaagat tatgcttctg 300
tgaagttggg agaatccaca tgttcctgca caattcataa 340
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<210> 38
<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
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<223> n is a, c, g, or t
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<220>
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<222> (152)..(152)
<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> (171)..(171)
<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<220>
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<223> n is a, c, g, or t
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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

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

<400> 38
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 accactacat gagtggtggg gcatanactn tntcacgcn caaataatgg ncttaaanta 180
 cttcagatit gnagnccaca tctgcctcta tnacacattc atcttcaaac aaaatgcgca 240
 aanccattaa aaacaaaaca aaaagcaaaa accacttagg gcatggtggc ccatgtccat 300
 aatccttggg cttggaaggc tgaggcaggg ctgaccataa ctccaaggnt atctcacct 360
 accccaaca accatttaag aaaagtgttc ttagcatgaa aaccctacag aagcaggcca 420
 gggcccttta attctccaac tacagtgtt aagg 454

<210> 39
 <211> 337
 <212> DNA
 <213> Mus musculus

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

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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> (297)..(297)
 <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> (302)..(302)
 <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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 accaaccggc ccatccccta ctnggccatc gacacgtggc ccggccggcg gagtggaggc 120
 atgattgtca tcacgtccat tctgggctcc ctgcccttct tcctgctcgt gggtttcgct 180
 ggagccatca tcctcagctt tgtggacatg ggcagttctg atgggggaan gacacacgac 240
 tcacagatca cccaggagnc tgttcccnag accctgggga ntntgancc ttctantna 300
 tntgntgaac cggggcccac ccctagacag agcagag 337

<210> 40
 <211> 225

<212> DNA

<213> Mus musculus

<400> 40

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gccaacctaa ggcaccagag ccttgccacc ccaaggcgcc tgagccctgc caccctgttg      60
ttcccagagcc ctgcccctca actgtcactc catcaccata ccagcagaag acaaagcaga      120
agtaatatgg tccagagcca tgcctgaaga cctgatcacc agatgctgag gctgctgtct      180
atcctgctta tgagtcccat tgccttgtgc taccaatgct gtagac                    225

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<210> 41

<211> 393

<212> DNA

<213> Mus musculus

<400> 41

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agtgaagcca gtgtgtctgc cgaaccagg catgatgcta gacctagacc aggaatgctg      60
gatttcgggg tggggggcca cctatgagaa agggaagacc tcggacgtgt tgaatgctgc      120
catggtaccc ttgatcgagc cctccaaatg taatagtaaa tacatataca acaacctaat      180
cacaccagcc atgatctgtg ccggcttcct ccaggggtct gtcgactctt gccagggaga      240
cagtggaggg ccgctgggta ctttgaagaa tgggatctgg tggctgattg gggacacgag      300
ctggggctcg ggctgtgcca aggcactcag acctggagta tacgggaacg tgacggtatt      360
tacagattgg atctaccagc aaatgagggc gaa                                393

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<210> 42

<211> 143

<212> DNA

<213> Mus musculus

<400> 42

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tttatttctg tgatattggg ttttactaa ttgattcatc tccctccctc gtgagccttt      60
tgtctctccc tctagtcatt ccagaccgt gagctcaggc ccccttcac cttttgtat      120
gtcattagca gggttctttt aat                                143

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<210> 43

<211> 308

<212> DNA

<213> Mus musculus

<400> 43

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aatgcttgac tctgttgtgt ttctagcact gcacagctag acctcgctgg atgataacct      60
atcttgaaaa gactgcttcc attatcaagc gcatattggc agcacttgac cttataagca      120

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gagcccat atctatttca ggaattccca cagagggcag tccagaaaga agagccactt 180
 cgtgctgaag actgggagtc caaaatccag ggtgcagaca gtgaggcatt cctgtcttca 240
 tgactaatac agtgagggtg 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 cagcgcatac caggtgacaa acctaacc 120
 aggaacaaaa 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

<210> 45
 <211> 473
 <212> DNA
 <213> Mus musculus

<400> 45
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 ggggatcaga aagagaagca gaaacttcat aagccagaac tgtacctgag aaagcagcag 120
 taccaggagt cacctgaccc agagtgtgct 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 gacaaaaaag cctgggtcag tcacttaagc aagagaaaagc ttcaagggaa 420
 cagcagctag attactcaca tctagaacag gagaaggagc tctcagacca gcc 473

<210> 46
 <211> 517

<212> DNA
<213> Mus musculus

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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> (256)..(256)
<223> n is a, c, g, or t

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

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<223> 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

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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

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

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<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> (468)..(468)

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

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gggttgtggc tcagccagga gtgtaccccg ccccttgnt acgcccttgc tgccagtgc 120

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agccagggtgc ctgtctctac ccctcggggcc 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 tcaactgagtn 420
tgcattgagga ttggcatttt ggtacttttt tttttttttt ttnaaccnac ggggctcttt 480
gtgtttcaag ttgatggctg ctgtagagtg gcacata 517

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

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<400> 47
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catcctggaa ggccaatgaa gaacactaac cgtggatggt gctgcaggac cagctcagga 120
caaatcccaa acaaaggctg atgctggccc agaccagat ccatggaagt cagaaagaga 180
atggagccag acccagtctg gggcctaggg ttgatctgga gccagtcctc ggattctaag 240
aacctatgct agcagacca aggtggcatt tgggtcagct gcagacctgg gcttagaaac 300
ctatttatcc ctgacttagg acaagtcagg aattgccag gacccta 347

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<210> 48
<211> 574
<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

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

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<220>
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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> (231)..(232)
 <223> n is a, c, g, or t

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 tcacttagaa aagggtcaaac atttcccagt ttaacgcacc ctgaaaaata aagttgtcat 120
 cagccccttc cgccccgccc cccgcccccc cctccccaag cctcctgctg tagctcaacc 180
 canatcccn ggagatagaa tgtccagcnc cctccnacc aatccagaga nncgccttg 240
 tcccattctg cgggtgtctca ttctggaagc ggttgagcca agctgactca ggagacacat 300
 tgccttccaa ctctgcactt tcaagctctg cgtttctctc cccgctccaa ctgctggggtt 360
 tcctggctct aatccttgcc tgagttacag caaggaggac atttatcatg tttcttccat 420
 cctgaaacca agttccccgg cttgtggatg actctggctg ccttgggggg gtgagaggta 480
 caggaagggg ggtgtctcct ctctctaaa 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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 <222> (113)..(113)
 <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> (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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<220>

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

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<222> (336)..(336)

<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> (349)..(350)

<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> (360)..(360)

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

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ttgctttgaa acctggagct gaagtgtccg gacaagagga gtcctttaag cangtcacag 120

agaagatggc actgccaga gcccatgtag caggcatgct gccaaaggct ntatgatgca 180

gaaaagatgt ctcccaggga ccacatttgg accccagcct cactgtcccc agggccagga 240

ttcaggtctc tgaggagccc ttgggcnaaa gttgctgggc cnagtggcac tctatgggac 300

agtggtagan ggcnggaggg gatgaaagtc caaagncnaa agtaggagann cagangatan 360
 taaaaaccct 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

<400> 51
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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
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 tgagg 425

<210> 52
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<210> 53
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 53
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<210> 54
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 ccctgtgcta aacctatctc ctgggagcag gcacttcctc ctagctagcc accatcacag 180
 cctcaccagc agcagcctca agactcagta acatttccaa cttaggaaaa gctacacaga 240
 cgcatagagg atatgacatt gttcatctgc atgatacctga cagagccttg gtattttcac 300
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 tctcccagcc atcagttaca agccataagc atgagccccc tatttccagg gacatcccat 180
 tcccatagtg atggatcagc aagacctctg ccagcacaca cggagtcttt ggcttcgnga 240
 cagccntcac tccttggggg ttgctncaac tccttcccn gtgtacacnt ctgcactcna 300
 acaacggagc cacanctgca ctccccctc ccccaaanca gtgtgggtat ttattgatct 360
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 actcttatta gccagtgaac cacttgcttg ccaactggag ccagttcgct tcgttaagag 180
 gagacacctc gctttgcagt tgcagttggc cattattgta aagtcagtat ctcagaatga 240
 gattttctcaa agctttcttt aaatcttntc ncanatantn tacnnntnaa nnnnnnnnnn 300
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 caatattcat ttcccctcag ctacaatgaa ttgcaagcaa aagatgttga aaaaaagcac 180
 taatttagtt taaaatgtca ctttttggtt ttatttctac aaaaaccatg aagttctctc 240
 tctctctctc tctctctctn nnnnnnnnnn nnnnnnnnnn ntatttgta aatcagatta 300
 tnttcttttt ttnttttnt ttttnagtga ttcatgttta tgagcagagt ggagtttnac 360
 aatcctagct ttannnnnaa acctatttaa tgtaagatat tntacgcac cttcagatat 420
 tttgtatatc ccctatgncc ttatttctgt acttttaatg tacatatttc tntcttgtgt 480
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gccatttact ttcnacctct acatntgacc tcaaattcct gtgacaatta ggcaaagctc 180
ctggaatgtg agcagacctc ttgcctccnc caatgcaaag tctaagactg ctacagcatc 240
tgggacattt agagaagatt cacataattt tttgtaggcc agttacctag tgtcctacca 300
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 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 gtatatattag natgaacttt 360
 tttttttttt ttttnnncaa aacatgtttt ttagttatca aagcagttgg aaatgtttgc 420
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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 cgggtctcatt ttgcctaaga tgggagctaa tctagttggg tagtattgca 300
 ttgtagtaac cttttgagtt gtgcttgggt actaaaagag tggcagatac atcagcctat 360
 gggattacac taccaaaagc catagtgcc aagacctcaa tcgctcactg gcaaactgaa 420
 ttaccctgga ccttccttct acttcaagtg atatgtgttc caaactgata tgtgtccca 479

<210> 61
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 tacaaccctn gattttcaga tttcctctcn tgccctgtgg agtgatgtnc attgagtgtg 180
 tggaacttn gggggntnctg nccgtgcccg atntacatca gtcantctt tgccctnaga 240
 ggtttcaacc ggaaacactt ccnaaccnc gggatccatn ccagctattc aaacaagtga 300
 tttataggnt cttttgtttg cnttcaaaat agtttgctca cattaacgat cctgaaggaa 360
 gtcctgacaa gtcaccattt gtttgcttat cca 393

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tttctttcca	tgttttgatg	gtagccatgg	gttactggat	gggtcataaa	tgtttccttag		120
ttcctcctga	gatcagaact	tttccctata	ggttcaaact	aggaagcatg	cactaactag		180
cttatatcca	agtggatagt	ttggtggtaa	ctgccatccc	agcccggaag	actgttgtca		240
gcaggatgag	acagccatcc	attctgcccc	ggatggagga	ggganccaag	gtacagttat		300
tcctgctgaa	ccca						314

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agctctaaat cactgcactg ttactgtaaa gcatacttta naaatattta tngtttngaa      180
aagcattttc tagtcttccc tctctnggtg gagctgtaaa caagatggca tgttgtgaag      240
gttcaag                                           247

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 tttttnttca 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
 tttttttaag ganaaaaaact aagcaaaatg aagtccataa tgaaagtggc ttttatttgg 360
 acaaataact tttatanttt tcatcaaacc atgcaaaaaa tatatatata ttacntcttc 420
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 aatacatgag tctgtataaa tcctcccagg aagaatacca gcgcatgac tgatcttgct 180
 cacagtaggt ggataaagga gaagagaagg ggctggagtg tttaaaggga cagttgtggg 240
 ccccatgaga cagagaggtg gattgtcaca actggctttc tttncctggg agggaaagag 300
 acctggcanc tcnnncnagg cacntggacg agggcagagt cctcagccag gctcgggatg 360
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cattcaatag cactccaatt atagcagaga tcattttatc taatgaatgt tctgtgtcga 180

tagagatttc attacaaaac ggccttttat cctgatgtct ttatgtatat taagcagggg 240

ttcgtttataa ctttgtnaac tgggagatta ttatcnacag tagcattata atnnactcca 300

ncnttcnng nnnntnntnn nnnnatctca gtacttnaac attattcaag aatattcact 360

aaataagacc ntnggctaga ttatttaca caagataatt gaccttttgt ttaaacaatct 420

gtagctcag agacttntac taattcacac aagctttacc atttcctagg gtaaacctcc 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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 tacagagaag cagcagcaga accatgaagt gcagtgaagc caaaactaaa gcaaccacac 120
 cagtgtccca gagnctntcc anccatccca cataagggaa gaganccatc cacanttcct 180
 tnaggtcctn agctggccta ctnaccata aatcnatctg nccctgacca tcctcttgtn 240
 tatgacaggc nggatacagg atgctatatg gtccggtntn ttcccnaga agtcaatcc 300
 caaccttaaa tatcacaact tcttcctgag gcagggggtg ggggaaaaag ggagnctgt 360
 cagtagttag caantctgat gtcactccta atgttgtggc ag 402

<210> 69
 <211> 308
 <212> DNA
 <213> Mus musculus

<400> 69
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 aatattaagc acagacagtg tctccacat acctccctcc ctccctgggt gactctgaat 180
 ttgggtgctgg aacctgctgt ttcgtgacac gccctctgtg tgctctgccc cgtgactcgt 240
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<210> 70
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 <223> n is a, c, g, or t

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

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

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

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

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

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 cacagttnc aagcttccga ggactagagt gtgggcagaa ggtaggaagg acaattagct 180
 tattgatagt cgtaaaatat gtgagtgttt tacataaact ataatgagaa tactgagttt 240
 aaaaaaactt tagcccgga tcagctgagt atctttccta cnataccctt tngatngntt 300
 ntccaggtaa aggaggnagc atttttgtgc ccattttatg gattgtngat ggggttccga 360
 ggcacaaagg ctggagacct tncctaggt tntacactgt gagctagcat tctgttaaca 420

actcagtgtg tgctctncct tcctaaccag ccacactgct tttactcctg ggatttaccg 480
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<210> 71
 <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

<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> 71
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 cgctggagtt gcaaattccta tgttcggagg gaattctcag gcctccaaga tctttgtgag 120
 gagtggagcg agtaacagtt acctccacgg cancttgcag gcaggaggga ttgttcnttt 180
 ccaagaagat ctgcaccggc tgtaccctaaa tagaacgtca ttttgatatg aaggatttca 240
 gccctgaag attttgatac ccacagagtt gctggaaaca gctctcctgg ataccaaggg 300
 atgctcatct catatttgaa tcatcccgac cctcactgag cagacagctc ccagagtaac 360
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<210> 72
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 <213> Mus musculus

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<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> (382)..(382)

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

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<222> (471)..(471)

<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 gaactgggtcc cttctcacct gtgcttgagc aaatgcaacg ggtatgcagt 360

gttttngatn ttctttcctc cntgactttt ctgcatcttc tatctggata gtctccacct 420

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<210> 73

<211> 464

<212> DNA

<213> Mus musculus

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<222> (352)..(352)

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

<400> 73

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caccaccctc cccatccatg gatgctgccc tgggcccccc agcctcctgc agtgacagat 120

aactccagct aaagtctctg gtgttcttat ctccatcctt tctccatttt tacttaaccc 180

tcacccctcag aaagatgcct cttgctatta aaagtcggat ttatgtttta ggattcttgg 240

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tctctatagg gagacgacag agaattgagc catttgctct cttgttgagc aatttgcatg    300
agtcaccag aggcctaata tgtgtggcca taacttttgt cttcccagc cntttgaggc    360
agtgtgtgtg gatgtgtgtg gatatttatg tgtgtaccct gcactcatga atgtatgaac    420
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<210> 74
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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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<220>
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<223> n is a, c, g, or t

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

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

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 tgtcngaagt cntgcattct ttcccttcca tcaactgtatt gattnttttt tnnnannann 180
 cnnccaccac ccctcanact cccacntcac ntctntnttg cagaatgttc acagcaaaac 240
 acctttgtct gtttttagat tcttgaagaa ttagtctgtt caagacattg tgtttaaagc 300
 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 attacccag ttccgggagt tacattggat ccactaacca gcttcacttt 240
 ctgtctg 247

<210> 76
 <211> 486
 <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> (189)..(189)

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

<220>

<221> misc_feature

<222> (209)..(209)

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

<400> 76

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agaagggtgag cccttgttct gaagaccagt gcttgcttgc tctcacctca ttacccccag 120

tttccgggga gtttacattg ggaatccac ctaaccaggc ttccactttc tgntctgggt 180

tataaaggng taaatgtaaa tttatggtng aaaaaatttt aacattattt taaattgccca 240

aatatgttct ttctcgacta tttatttttg tttctgttct actgctttta ttgcatttca 300

gaggagtga tttaggtggc tcatcccact tatgtttgct gctccacaca aagattttaa 360

tgatgagaaa ttattggctg gacacaaatt gcagaaaagt cattagaaac aatcatttaa 420

aactttgttt gctttcttca catattcttt ctcaaaccat tgcttggagt gtgctatgaa 480

cttgcc 486

<210> 77

<211> 516

<212> DNA

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

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cgtccgacct ggtggcgggt tcgagcccaa ttttacattg tttgagaagt gcgaagtgaa	120
tggtgagaag gctcaccgc tctttacctt cctgcggaat gccttgccaa caccagtgga	180
cgacccact gcgctcatga ccgaccccaa gtacatcatt tnnnnnnnnn nnnngnnnnn	240
ccgcaacnga cattgcctgg aactttgaga agttcctggg gggcccgac ggtgttcccg	300
tgcgcaggta cagccgccgc tttcgtacca tcgacatcga acctgacata gaaaccctgc	360
tgtcccagca gtctggcaac tcctaaggcg gccctggcat tggcttggtg attactggct	420
gcactctggg gggcggttct tccatgatgg tgtttcctct aaatttgac ggagaaacac	480
ctgatttcca ggaaaatccc ctcagatggg cgctgg	516

<210> 78

<211> 500

<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> (357)..(357)

<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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 gctgtttcca gtaataaatt aatcaggctg cagatagaca aaaggcttcc cagccatgga 120
 aaggagccag cccaggccat gtttgctgtg actcagacaa atcattatat gttctgggtg 180
 gccttgaact tatcacctg gacacacttg ccttgttttg actttgtggc tgtgtgcttc 240
 agcctctgtc actaacaag gtcctcccg aggcaacctt ntctgtgtt gatccccac 300
 ttcagcctgg gntccaggaa ggacattgac cctgtgncca tcgngccagg taccttnacc 360
 tacctaccc cttttgctga tgtgcctng gactgtgact ttattagtat aagccgatga 420
 gttgttgaga agtgttatac cccatggctg ttagggggtt gtgtgtgctc cctcccccg 480
 gctttagtgt gatcccaact 500

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

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

<400> 79
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 aacaacagtt ctgagtcaa actgtcctag gaaaatttaa agnatgnaca ggcaggggag 120


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aagatgcata tcaaaagctt ggcttttaaag tctaagggag ttttagatca aaaactagct 180
atcacttcct gagtgtctca tgtagccact caggctccca ggagtttcct gaggtagggt 240
agtaggggtca cgtgaatgcc tcactatgac atgacttgag tccagtgaga tctcattagg 300
attaatatTTT cagggatcct taatatTTTg atttgTTTTc cgagattgga ttttattTTa 360
tctgctatTTT cagttcatct aaatcttTgt ttctgtacat gtgatgtTtg actgtaccat 420
cgactgttat ggaagttcag cgttgtatgt ctctnctaca ctgtggtgca cttacttTgt 480
g 481

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<210> 80
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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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<220>
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<223> n is a, c, g, or t

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

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

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

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

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<400> 80
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tgaggaagct gcagttctgg tacaaactga tgagagtgta tagacttaag tctggcattc 120
taagggttta ccgtataact ttaggaacct ggaacagtcc actgaacggc tagaatgaat 180

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```

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

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

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<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

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<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 ttaaaatggt tgtatttact gccatgcaat                            340

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

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

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

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<220>
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<222> (447)..(447)
<223> n is a, c, g, or t

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<400> 82

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agaat tttga atatggtgag aaattgggaa aaatggacat tgataggcat atcatcttgc      120
tttgtgtaca tatggtatta aaactgaaaa caaatattct tgnacatttg ggtttcaaaa      180
ttgtgttagc acttatttta gaaacattaa ttaagtgtat ggctgccttt gaaatacttg      240
atgtgttggt gttgccttac agaggactac aagtataaag caaatagctg ttttaaaatt      300
atgtaaataa gtcacaggct agttatttga aaactctaag tcactttaat tttntcagaa      360
tcttctctta ctaggtaggc ccaggatggt ccatagttag tggaaaacag tacaggaggt      420
ggaggggaagc taagcaatag acagganccg tcacaggaag tctactggcaa tacgggttta      480
aagcaggtac ttagatcacg gttttctctg taagaa                                516
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<210> 83
<211> 198
<212> DNA
<213> Mus musculus
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<400> 83
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gctgaagagc tttgtctgaa gcctgaatga acttttctgc tcctcccgtt tgaattaact      120
ttgcaaagta gtagccagcg gggggatttg accaggggtg ttttgtgttt tggagacagg      180
agagtaacaa gtggagat                                198
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<210> 84
<211> 214
<212> DNA
<213> Mus musculus
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<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t
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<400> 84
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gactactagg tagcacttgg gcagttttaga tcagaggcgc atcgaatggc agagtcacag      120
gcgggtccga gggaaggcat ntgagcgcca cagtagcaca aggccctttg atgtctagcc      180
cagtgccatc ctgtctgccg tcagtagaaa ccaa                                214
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<210> 85
<211> 446
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<212> DNA
 <213> Mus musculus

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 <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 tgtgcatgt gcccttggat caactgccac gttcagaaag cttgaaggat 240
 gttctggaga gacttcttcc ctactggaag gaaaggattg ctccggaaat cttaaagggc 300
 aaaagcattc tgatatctgc tcacgggaat agcagtagag ctctcctgaa acatctggaa 360
 ggtatctcag acgaggatat tatcaacatc actctgccca ctggagttcc gattctgctg 420
 gagttggatg agaacctgcg tgccgt 446

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

<400> 86
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 ttggacagga tttagggtttt gggttttggg tttgttttat tttgatattt ttctcagtgt 180
 ctaattgaaa gcatgcttgc tttctcatca cagctttgac agctgtcaga aaagcctctt 240
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<210> 87
 <211> 436
 <212> DNA
 <213> Mus musculus

<400> 87
 atgtctgaca aacccgatat ggctgagatc gagaaattcg ataagtcgaa gttgaagaaa 60
 acagaaacgc aagagaaaaa tcctctgcct tcaaaagaaa caattgaaca agagaagcaa 120
 gctggcgaat cgtaatgagg cgagcgccgc caatatgcac tgtacattcc acgagcattg 180

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ccttcttatt ttactttcttt tagctgttta actttgtaag atgcaaagag gttggatcaa 240
gtttaaatga ctgtgctgcc cttttcacat caaagaatca gaactactga gcaggaaggc 300
ctcccctgcc tctcccaccc atctgatggg ctggctagca gagagggaaa agaacttgca 360
tgttggtgaa ggaaaaagct ggggtgggaga tgatgaaata gagaggaaaa ttcaagatgg 420
tcaaagatgt cctgca 436

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

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

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

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

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<220>
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<222> (310)..(311)
<223> n is a, c, g, or t

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<220>
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<222> (313)..(313)
<223> n is a, c, g, or t

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<400> 88
gagtgttgaa tgttgccctag atagtgttc tttaaagaag cagtgcaggt ttgagttatt 60
ttcctctctt tatatgtgat ctgatataag tgaaagtata atattttgcc catcttttac 120
caatatttag taaaatgcta cttgtttcaa cttactgaaa aaattttaaact acttttgttt 180
gcattttattt gaaaccattt ggaatattgt aagacaactc actctgtaga ccaggctggg 240
cttgaactca gaaatccncc tncctttgcc tcccaagtgc tgggatcaaa ggcgtgcncc 300
accactgccn ngnctaacag tagtctttat aatactgaga ctgaatattc gtaacagttt 360
tcgatattac tccaaattct tagaaacggc ttggataat 399

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<210> 89
 <211> 305
 <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> (244)..(244)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (249)..(249)
 <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

<220>
 <221> misc_feature
 <222> (362)..(362)
 <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

<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> (452)..(452)
 <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> (472)..(472)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (493)..(493)
 <223> n is a, c, g, or t

<400> 90
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 tccagaggct acgctgacta tgtcttttagc acagactgtc tactgtagga atcatggatt 120
 tgatccccag agtcccctgt gtgttcatat aatgatgtcg ggaactgtga ccaaggtgaa 180
 caagacagaa gaggactatg caagggattc gctgtttgtt cgacaccctg agatgaagca 240
 ctggccttcc agccataact ggttctttgc taaattaaaa ataagccgta tctgggtctt 300
 ggactacttt ggtggacctt aagtagtgac acctgaagaa tattttaacg tcacgctgca 360
 gntgaagcag gatatggtgg actgagtcac accagagaag ntntnttcgg aggntcatgc 420
 acacttgaag ggttggccct gcttgggacg tnttccagct gtcagcttan tnttgccacc 480
 tcttgtttta atnttgtttg cttgtgttaa cagagagttg tccgtcagaa gatgtggttg 540
 ct 542

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

<400> 91
 gataaccacg gtaccacggc atagaaacaa actacaacaa caacacaaca tgctttctggc 60
 ctagagggtt ggctcagcac ttaagaagat tgctctagca gggacccaag ttcaggacct 120
 ggcgctggag tcagacaggc aactggcca tcactccagt tccaggaaat catatacctc 180
 tagtctccaa ggtcacctgc actcaagtgc acgtaccac 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

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

<400> 92
 atggttgctt tgagtcacag ggcgcttcct ttttgaattg tgcagagaag tgtgttctga 60
 acaaggcatt ttattatgtc tgttgatctc tagcaaatcc aggtgatggc aattgagtgt 120
 agaaaggaga attagccaac acaggctatg gctgctatctt aaaacaagct gatagtgttt 180
 tgtaagcag tacatcttgt gcatgcaaaa atgaatttga ccctctcacc cctcccttca 240
 gctaattggaa actgacacag cgacaactca ttccttcacc atcagccttt ataaactgtt 300
 tcttgtgagc tttcagcagc ccttgctgtg ccttctttta attatgatgt gcacacacct 360
 tcctttcaat gcaatgcac agaagttttt gatatgtgta actttttttt gattgtgatt 420
 aagaatcatg gatttatctt ttgtaactct ttggctattg ttcttgtgta ccctgacagc 480
 atc 483

<210> 93
 <211> 486
 <212> DNA
 <213> Mus musculus

<220>

<221> misc_feature
 <222> (262)..(262)
 <223> n is a, c, g, or t

<400> 93
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 gatgtgattt ccttgaatgg tggcttagga aatgtggaca cttaaaactc tcacttgaaa 120
 ttgggcacag gtttgatgta gagataagga cggggtgcgg aatggagacc ctttttgtca 180
 ttgattcatc tgaccgataa ggccatagtg cagttaggtg atattcgaaa gcttctttga 240
 tgctctttat gtatatgttg gnaaggaact accaggcggt gctttaaatt cccaatgtgt 300
 tgtttcgtta ctactaattt aataccgtaa gctctaggta aagttccatg ttgttgaact 360
 ctgactgttc tctttggaat tgaacgtttt gcctcctcct cctgtggctt taggtctgac 420
 attgtatttg acctttacta gtaattaaca tgtgccaggc aatggtggat tggaacccat 480
 ccccaa 486

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

<220>
 <221> misc_feature
 <222> (289)..(289)
 <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> (484)..(484)
 <223> n is a, c, g, or t

<400> 94
 tcatgacaga tgacctcct tgccacttca cttctgcctt cggggccggc ttctgcacca 60
 ccgtcatcgc ctcccctgtt gatgtggta agacgagata catgaactct gccttgggcc 120
 agtaccacag cgcaggtcac tgtgccctta ccatgctccg gaaggaggga ccccgccct 180

```

tctacaaggg gttcatgcct tcctttctcc gcttgggatc ctggaacgta gtgatgtttg 240
tcacctatga gcagctcaaa agagccctaa tggctgccta ccaatctcng ggaggcacct 300
ttctgagcct ctccatgctg acctggaccc tgcttcccag ccctgccctg tctttttctt 360
catcctctgc ccagtcctat tctcttccca tttcctgcac cccganttta cttncccacc 420
tcacctccct gtgcctctgt actgatgact cacagtgagg aggccctgaca ccagaccctt 480
gagnccctca gccctttcta cagctaagcc cacatcttca tcttca 526

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

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<400> 95
cggctgagag cggctcatgac tttctgtgga ttgttttggt ttgtctggct tacctcgcta 60
tacaagtaat gtaaattatg atctgtaatg tccgagggcg ggatgaaaca gactgttaga 120
ctttggatga aatgcattgt tcattcct 148

```

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

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<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

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<400> 96
acctgcccc aaaaacagct ttggaaggt ttccagggtta agccctgccc tgaagccatc 60
agtgagggtc tcaacaacaa gttccacatc attggagcag tgggtatcgg catcgccgtg 120
gtgatgatct tcggcatgat cttcagcatg atcctgtgct gcgccatccg caggagccng 180
agaaatggtc tagagtctgc ccaaccccgga gcaggaacaa cggccctgaa gactgtccgg 240
gccatttggg ttttttttgc cactaatatt agtattcatt atgcatttct aaataacagt 300
cattctg 307

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

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<220>
 <221> misc_feature
 <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
 ccaacgaact gccttcctta atattaaagn catggggtag ctgccggaac gactagcntg 60
 cacagttaag ttggactcgg gactgagacg attgcttctc gtactttcgg tttgtttgcc 120
 acagcgatgg agttgtgggt tgaactgcgt cacaaccttt tgtcagccat ttt 173

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

<220>
 <221> misc_feature
 <222> (503)..(503)
 <223> n is a, c, g, or t

<400> 98
 gaggactgac catagtcttt gtgactgagt gtgctggcac tggtagagccc agccagcctg 60
 tgctgaacag aggcttttca ggaagtgcac cacacacaca cacacacaca cacacacaca 120
 cagagcttac ccatgaagga aaaattagag ttacttttct catTTTgtgc attgatatat 180
 ttttacaatc ctgcaaactt ccttgagtca ctcacgactc cccctgaggt cacttcctgg 240
 tagtgtccca atgctctgtg tgcagttact tcagggtgaa gttgccttga tcgcctgccc 300
 ctcatcaggg cttttgcttt tcttcaaagt actgaggatc caaccagtg ccttacacgc 360
 caggcaagtg tgaccactga gctaggctcc cgcccccttt actttttgaa gccatacaat 420
 ggatgtctat atgttgccct tttgaagatt aggtgggttt 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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ccgacaactg tcaccaaagc ttataaaaca cgatagtact gtccctcttt tctgaaccat      60
cagaagacac aaaactgtta gtgacacaac ggtgacaggt agctgggacc taggctatct      120
tattatgaag gttgttttgc ttgtttgtata tttgtgtatg tagtgtaacg aatttgtacc      180
atagaggact gtccgtaact actgttttagc ttctacacat tgaaatgtag atgtttcatt      240
ggctgtctga aaaggtgtgg cttgtccttc ctagagagat ctacttaaaa actgctttgt      300
ggcaaaaacc acacctgaag aaattttaag aatttggccc agttagtcac tctgtgtaat      360
cccggaatct agctgctgaa gtcttgcgaa gt                                     392

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```

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

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<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

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

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

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

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

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<400> 100
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tttgagggag ttgggggacc tctatttgag ccctgcttca gtgccgagag attgggagtg      120
gaactccctg aaacatgatt tcagttttta gagatgacct tctgtggtac ggtcatcatg      180
gtctccaaca tcaccagacc aagtagaagg atgtcaaaga caaattcagg gctcttttcta      240
gggtgaccac tctgccgtgt ataatatng tcccagtctg gccagctttc taggaggccc      300

```

tggtccatc ctaagtntca cacaggatnt gctgcaaata acagtgtacg gantcaacct	360
gacccggaac agaagtntgc atgctggtta agatgcagcc tagccattgc ctgagctggt	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	
aagacttgtc ctcattgattc ttaacagagg tttttcatgt caaggctctg atagttccga	60
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 gccacagggg caaagggtgt gcttttagttg	360
tacaaca	367

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

<400> 102	
agtaacttta gcactgttga aacttaattgt ttattcctgt gctgtgcggt gctgtgctgt	60
gctgtgctgt gcagctaata agattcttgt tttttccac ttggattatg ttgatgctta	120
atacgcagtg atttcacata ggatgatttg tacttgctta cttt	165

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

<400> 103	
tagggcttag caatcattta acagaaacat ggatctaata ggacttctgt ttggattatt	60
catttaaagt actacattta aaatgattac aagaaagggtg ttctagccag aaacatgact	120

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tgattagaca agataaaaat cttggcgaga atagtgtatt ctcctattac ctcattggtct 180
ggtatatata caatacaaca cacataccac acacacacac acatgcaata cacacactac 240
acacacatac acacactcac acacactcat acacacacat gaagagatga taaagatggc 300
ccactcagaa tttttttttt tttttttcta aggtccttat aagcaaaacc atacttgcac 360
catgtcttcc aaaagtaact ttagcactgt tgaaacttaa tgtttattcc tgtgctgtgc 420
ggtgctgtgc tgtgctgtgc tgtgcagcta atcagattct tgttttttcc cacttggatt 480
atgttgatgc ttaatacgca gtgatttcac at 512

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

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<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

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

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

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<400> 104
gtgtattttc taagtgtctc ttctgagcct cagttctgcc cccatgagaa acctgctgtg 60
tccaacccca gctaagctga atcttggggg gnanccaagc tttgacccat tggagtagga 120
gacagtggct tgctcaaaat atggataaac atctattttt tttttnacaa aaagataata 180
tttttaaaaa aagttgaaag aactagaact tgtgagagaa acagaaaatc cgagttagca 240
ggcagcagga ggcttgcagt gggagattct cgggggattt gaaagcacat gcctgccctc 300
ctggcacatc accacagaac gcttgtttcc acgttctaga aatgagggca gggatgtacc 360
tacctttagt ggagctggga ggattgacct acaaggctta agaaaagcgt ttgcatgtt 420
ttgggcacac 430

```

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

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<213> Mus musculus

<400> 105

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gtaaccagca tagtcgtgtt ttattataat ttcttctcca gttgatttct taagcaaaag      60
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
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<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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gaagaggatc caataccagc tagtggacat ctcccaggac aacgcccttc gagatgagat      60
gcgaaccttg gctggcaacc ccaaagctac cccacctcag attgtcaacg ggaaccacta      120
ctgtggggac tatgaactct tcgtggaggc cgtggagcag gacacactgc aggagttcct      180
gaagctggcc tgagtcagga tggccaccga tcctatccag ctagctcttc accaggcctt      240
gtaaccaact ccttgtcgtc ctaatctgca aaccagacc cagacccttt ccgcagccgc      300
ctcctcttcc tccagaggca acattcctta ttcaccaact agtctcaaaa gattgtctta      360
agccctgacg atggctgtcc ccagccacac cttggggcat cctntntgcc tggccctgtc      420
tgatgagcat ttctgttgct tccatcagcc agagctct                                458
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<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
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 atgatgctta cgtttcacag gtttgcaggc gacaaagacc acttgacaaa ggaggacctg 120
 agagtgtca 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
 atgcctggtg cctggttcga agcaaataca atgaggacat ccgcagaggc atcgtgctgc 60
 tggaggagct gttgcccaaa gggagcaaag aggaacagcg ggactatgtc ttctacctgg 120
 ccgtgggcaa ctaccggctc aaggaatatg aaaaggctct aaagtatgtg cgagggctgt 180
 tgcagactga gccccagaac aaccaggcca aggagctgga acgcctgatt gataaggcca 240
 tgaagaaaga tggactggta ggcattggcca tcgttggtgg catggccctg ggcgtggcag 300
 gcctggctgg actcattgga ctggctgt 328

<210> 110
 <211> 348
 <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> (85)..(85)
 <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> (168)..(168)
 <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> (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 ctggttaacaa tagcataggc tagaagtga gcaagcantc tgccattgcc 180
 ttggaagtnt tctgtntcct ggtatgagag gaatgatgct ggagaggntc aacagcagga 240
 ggcattccat cacagcttcc agcacctgct ttgtgtagtg taacattgaa ttcattgtaag 300
 attaacactg tgggtgtaaan 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 aagggtgcact gtttct 86

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

<400> 113
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 tcgccatcat gtgtgaagtc taacacagga cccacaccag cccataatcc aactgaagca 180
 ctcaaaagac ggtagcatga ctctggtgct cttccttgct ttgttaacca tcatgactat 240
 agtctgcagc acaacttttc ttttaacaaa gctagaacag ttttggcttc ttaaacttca 300
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<210> 114
 <211> 384
 <212> DNA
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 <222> (274)..(274)
 <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> (305)..(305)
 <223> n is a, c, g, or t

<400> 114
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 actgaaaaga ttctggaaga gccacacct ctgatgttcc aaaagctcca ggaccagatc 120
 ttcaatctca tgaagtatga cagctacagc cgcttcttga agtctgactt gtttctgaaa 180
 cccaagcgaa ctgaggaaga ggaagaagag cccccggatg ctcagaccgc agctaagcga 240
 gcctccagaa tttaacaacac ataagctgag ccnnttcacc ccangcgaag gagagggatg 300
 gactnttagg actgtacagg ctgtcatttc tttgttgtgt ttgaggactg gagtgtgcta 360
 gaccttcct ctggatatgt gtat 384

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

<400> 115
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 aattcgtgtg gcctgtgaag tgggtgtattg tagtttgaat ttgagaccct attgtaagca 120
 tgatccctac ctacaacct atttttacat acccaattcc agtaactctc aaatccagta 180
 ttttactcaa actctgttgg ggcattttac taaccttgtt cccttttttg cctgtaagac 240
 acttttagaga ttcctaacag agtttactgt tgtttagaaa ttgcaaggg 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

<220>

<221> misc_feature

<222> (371)..(371)

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

<400> 116

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gcaatactca gaaaattctt tgaatggcag actttctttt gtctgtttct aaaatgtgaa 120

gctttaggac caaattgtta gacagcatca ggattgcgga ttatctcaag tagattttgt 180

tagagttcag agcacagcat cactctgaag gagtctgtct tataaatata taattactgt 240

ttaagatgta cactttgcta tagttacaga accattgtga atttcaaagc tagcaacctta 300

cacggtgcac caggttgact tgaataaatt tggcaaccag gtttgcaagc gtgcagaaac 360

taactcctct ntcacaaagg cttataaaat tgggtgtgtcc tatggaaatg gaaagaaaga 420

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<210> 117

<211> 566

<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> (273)..(273)

<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> (408)..(408)

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

<220>
 <221> misc_feature
 <222> (523)..(523)
 <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 gcncagtga 420
 gagtgaatg gagaaaactc tcncggtgaa gcagctgttg gaactcctgg tattaatgga 480
 gccagagtgn catgcctcct tcgtctgtct catcagcact ggngtcattc cttacagttt 540
 acagaactca tgtaacttgt agctat 566

<210> 118
 <211> 427
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (292)..(292)
 <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

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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> (351)..(351)
 <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> (389)..(389)
 <223> n is a, c, g, or t

<400> 118
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 gatttcgtgg aggccgtgcg ggaagaggcg gcagctgtag cggcccggca ggagacagac 120
 tccatcccg ctcgtgatga catccgcttc catgtggcca gcacgggtcca gacatacagt 180
 gccattgaag aggcacagca gcgactgcgg gcactcgagg acctgctcgt gtccattggc 240
 ttggactgct aagcccttcc gtggccaggg cagccacggt gacaggcatg cncagtgtgt 300
 gcacgcagcn annnnngnnat tacaatgngg cagagggggac ctcacaggat ntccttggga 360
 tgancctcct cctccagtgc acaaggaanc cccaagattt ggggcaggca ccactcaggg 420
 aaaactg 427

<210> 119
 <211> 533
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (148)..(148)
 <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>
 <221> misc_feature
 <222> (287)..(287)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (292)..(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>
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 <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> (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> (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> (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> (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
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 ggttccaacc acttctttcc atgaactctc ttggacttac tgccacatta gctggtgaca 120
 cggctgagct gacttggata tgtgaggnga ggaaggaggg gatgaacgcc acccagtcac 180
 cagctagctt cagggtttaga ttaggtctgt gaacgtctgt atcatgttct gggtatgac 240
 atattgccct gcatctgttt gcttntctaa gccttcagtg ttcattgnata cnnnnaancn 300
 nnctaagaga anacagggat ntcttntctan ccatatata tttntcagta gcatagaact 360
 ctgtanccgg aatntactag aaccctgtaa cccacgtgct gctgtgaggt taagaaagga 420
 agacgtaaag acgctacact gaaaactgat atatatgtgt gagntcttgt gtctgtccat 480
 tgttgtctgt ntccctcaa ttccaacact cggggcccat taaaaactat 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
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 aaattgaatg ccccagggcc caggcaccaa ggggtgagaa aggcaggact ctgctcagaa 120
 ggcagagcct acagaaggta ccaaatttac tgttgagtga ttgagattga aagagtagta 180
 aactcagtcg tccaaggatg gctaatacata 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 caccacact gaggccagtc cttgcctcta ccctccctgc 240
 attccaatcc cctcccagat ctcaagtgcc ctgacctagg gcctcagcat ggcttacaag 300
 tattgaggct ccctcctggt gctgaggccc agccctgggc tccaaccctt gcctcttctg 360
 cagggatcac ccatcattct gaggtcccca acccaagggt cacatatagt gctgctgctt 420
 tcaactgctgc 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

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tcagaagcag ctgcactaca cagagacgct tctccagcat gtgtctcccg gccttcagct	120
ggagcttcga ggaccgtcac tgtgggccct gcgtatgggc aagtgcaagg tgtactggga	180
ggtaggcagc cctatgggca ctaccggccc ctccaccca cccagctgc 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	ccttctaata	ctgaggtcca	ttagtacagt	240
tcctcgtatt	ttggtgaccc	ccaaccataa	aattattttg	ttgctacttc	ataattataa	300
ttttgctggt	gttatgaatc	ataatgtaaa	tatctgatat	tcaggatata	tgatatgtga	360
ccatcaaagg	gtttcgaaat	ccatggttga	gaactgttnt	tctagatgca	cacaacatat	420
aatttcatag	caatgtagtt	ggaaacaatg	tatcaaattt	tttgtctaaa	ttataaattc	480
atgcattttt	ttgctttata	aaagtgtggt	cacatttgag	aatacatggt		530

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

<400> 125	
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cacggcaatg	gcaaggtact
cccacaccag	cctcagctgc
60	
tttgcccagg	aaaatatggc
cattggtaaa	ccggatctta
tcatcgagat	gccaaagaga
120	
gcagcacagt	atcgccccct
cactgtctcc	gttagaatgc
acaactcctt	agaggccccc
180	
atgcagaact	gcatcatctc
catctttgga	aggggactca
ttcacagaga	gaagagatat
240	
ggattggggt	ctctgtggcc
aggaagcagc	ctacatactc
agttccagtt	cacccaaca
300	
catctggggc	tccaaaggct
cactgtggaa	gtagattgtg
acatgttcca	gaacctgacc
360	
ggctacagaa	gtgtccttgt
ggtggcccct	gaagtttctg
404	ttta

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

<400> 126	
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atggaatggg	aataccagcc
aacagatgaa	agcaatattg
60	
tctattttcaa	ctataagcct
tttgacagga	ttctcactga
gcaaaaccaa	gaccaaccag
120	
aagacgattt	tattatatga
atgtgacggt	ctctgtctcc
ccacctccat	gtggaacaat
180	
gtattcagta	tacttagtgt
accacgttta	aatgaccagt
ctcaggataa	agagttttac
240	
agaaaattta	aaatgcctgg
aaaagactct	tgaatcctgt
tacccttttc	ctcattaact
300	
cgtaaggaat	tatgctttta
tgctgttacc	tatcttggtg
ttctggaaaa	tgcttgcat
360	
tatgtgtatt	gaatcaacat
ttaagaaatt	aacacacacc
cccattatta	tacaataact
420	
ttcaaagcca	tactgggtttt
gaaaatttta	atttgatagc
aagttgatga	acaatctttc
480	
atacctaaag	tgttcaggaa
cccaactcgc	atttgtgaat
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
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 actttcacaa acactaacat tcagaaggat gttgagaaag caagatctaa tctgaaatgg 120
 atgacattaa caagctcctt aagcccctga agttttattg catctgctag cacttgaatg 180
 ctgactgaca ggcagatcct gatatatcca aattcgaatt aataccattt gaaatggcaa 240
 gtcttggtt aacgcctgtt tgtatgccca gcattcagct gttttactca aagctaggca 300
 tgtcatagta attgtctttt cagatggaaa ctagagaact ctctaggtg tgatctgcac 360
 tggccacttg gcaggcaciaa gctgcttcct tcccctcagg tcttaaccct tcccagacct 420
 gcagcgattc ctgtcgant 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
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 agcaggtcag ggttgctctg ggtaaaagcc tgtnaagcct aagagctaata cctgtacatg 120
 gctcctttac ctacacactg gggatttgac ctctatctcc actctcatta atatgggtgg 180
 cctatttgct cttattaaaa gaa 203

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

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<400> 129
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gctgggacac ctaagttata tgtacataga cacacgcatg tagatagaca tgcatatata 180
catacatgga gttggagcct actttaagtt gttggaattc ctttaagaag agtataaatt 240
atTTTTTTT tttaaaagga tagttgattc ctgggggtact ttgttttgaa attagaagtt 300
gttaaggaca cttttgttgt aataaatggt gatgtagagt tgaaatcatg ttttcaagca 360
ggtttctgag cagatctgtc acatccactg ccttgtgcct gagcatcctc aacacacata 420
ggtcagggag cacactggag agttcttatt cccgcatgac ttagtggcct tgcatacatc 480
tcaaaatgtg aaacctgttc tggatttggt 510

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

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

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

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<400> 130
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ctgttggtggc tctgcctgcc atacctccca ccccatccc 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 gtactgggtt tatagatnca 420
cccccaattg tatggcttaa aacaagctac atggtcatgg tttgctgtgt gaccgacaga 480
t 481

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<210> 131

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

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

<400> 131
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 ggataagcac tttgggtaca cttcctacag cgtgtctaac agtgtgaagg agatcatggc 120
 agaaatctac aaaaatggcc cagtggaggg tgccttact gtgttttctg acttcttgac 180
 ttacaaatca ggagtataca agcatgaagc cggtgatatg atgggtggcc acgccatccg 240
 catcctgggc tggggagtag agaatggagt tccctactgg ctggcagcca actcttgaa 300
 ccttgactgg ggtgataatg gcttctttaa aatcctcaga ggagagaacc actgtggcat 360
 tgaatcagaa attgtggctg gaatcccacg cactgaccag tactggggaa gattctaata 420
 tgctttgact tcattgtcca gtccttaggg 450

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

<220>
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 <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
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tctcatagg	atctgaggcc	tactctctgg	aagacaattc	atgtactatt	ggtcaaatgc	120
ctgtgaatag	ggaggacata	agccctgtca	ggaatggtat	ttctattggt	ttgctaaata	180
ttcatgtcct	ncctatcaaa	ttnccttga	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	ccagggtggc	tcacggactg	ggaaatgagg	120
acaccgagaa	tcactgagga	gcattctgact	ggccaagatt	ctacaacca	tataacagag	180
atggaattca	aggccagact	ttgaactttg	agtcggcatt	ctgttttgtc	ttcaccttcc	240
tcacatgctt	ttgggggtgca	tcattttaat	gtgttgttta	tttaatatcc	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
ctgtgttttag	atcagaaccc	taccatttac	tgtgtagatt	catttcaaga	gcttccaaat	180
agacttccat	accccataac	tatactccaa	tctactttat	atatatttat	cactaaactc	240
tatatggaat	agaggaacct	taaatatata	atgttgctta	tcttccaaac	tttagctcat	300
ctccaatggt	tccattgctt	gtaccataga	atctaaagtt	ggtgaactgt	aagggttaata	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>
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 <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
 ggcattcttt 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
 ggcattcttg gagtgacatc caaggatgga ccatcccacc tgtgtacaat gataatactt 60


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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 aatgtncctg taccggtcac acagtgtgtg ggataagagt 420
ggcctagtgt tgctttccga atntcttaaa atacctgtgg tcaagattgt tt 472

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

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

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

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

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

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

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

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<400> 137
cagggcagca ggacccagtt ctggtgagct gcgacggctc agcgtcctgt acggtggtgg 60
agtgtgagct gcgggagatg gtgcgcgggc agcgggcat ggttactgtg caggncatgc 120
tggggctgtc cagcctccgc cagaggccgc aggagcagtt tgtgctgcag tcgcacgcct 180

```

```

ggttcaacgt ctcctcccta cttactcgg tgccggtggt cagcttgccc agtgggcaag 240
ctcgggtgca gacacagctg cttcgggcct tggaggagag ggccattcct gtctggtggg 300
tgctggtggg cgtgctgggc ggtctgctgc tgctgaccct gctanttttg gccatntgga 360
aggctggctt cttcaagcgg aatcgaccgc cctctggagg aagatgaaga ggaagagtga 420
cagcagaggg ggcgggggttc ctggtgggaa agctgggtac ctgcttcctg tttccancca 480
gttncctttg ctcagaactc catggggntc ttcctttcc agcagaccgg gtgcatccct 540
tttcctaata cctaata 557

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

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

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

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

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

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

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

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

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<220>
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 <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
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 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 agggcagtn 300
 atctgagatt tgaactaaag atgtaagggg gttnggggaa aaattgacag cttagagaat 360
 ttccacattg gtgtttaagg ggataggaaa aacttatttc nagtttaatc tgtgtacata 420
 ggttctgntt gggatcctgg ttgggatgga ggtggtcctt tcttatgatg aatagggttg 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 ccagcctggg aaattagtg 60

tgaaaactca taaacagaaa tcagtggata gaggctagca cagtgacttc ctcgagagag 120

tgctgttagn atttgtancn taggttcnca cnnaggtanc agggcagtn cttctgagatt 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 tcgttgtaac gcctgtgttt cgtacgttgg gatcagccag ttcaacagtg 60

atgttgggtt gcccttaacc ctttgtacc aaggccgtgc aggctaggag tccagagtgg 120

gcgctgtggg agtggacgag agtgcacgtg ggcaagtgtg ctgggtcttgg ggctgccctt 180

gtctccctgg tgggtctgcag tgggatttga gcgctttcct ttcagaagtc cagtggggct 240
 ctcagcttaa tccagaagga agagatgggc tctgccctga aaagtgggta 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 gaggctgag agctaaggca gattcagcct tgcaaaaggc 60
 cagcggttact cttgactgaa ggacagaggg cacccaaadc 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 ttcttgggaa cttagtacta acccccaggg ttcagcagat 420
 tctataagca aaactccatg aagtcattct tcagcattag catc 464

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

<400> 142
 ccgcaaggag agctactcgg tgtacgtgta caaggctctg aagcaagtgc accccgacac 60
 cggcatctcc tccaaggcca tgggcatcat gaactcgttc gtgaacgaca tcttcgagcg 120
 catcgcgagg gaggcgtccc gcctggcgca ttacaacaag cgctcgacca tcacgtcccc 180
 ggagatccag acggccgtgc gcctgctgct gcccggggag ctggccaagc acgcggtgtc 240
 ggagggcacc aaggc 255

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

<400> 143

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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 ctccatgcaa aagaatgctt ttaagtgttt gtcattgta      288

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

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<220>
<221> misc_feature
<222> (342)..(343)
<223> n is a, c, g, or t

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

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<400> 144
ggtggacatt ggatgatgca tacaataata gcccttttgt gttagtataa tggaaccata      60
ttggaaatgt actgagtgtt tagcacttca ctgtgtctat atccactgag ttcttggacc      120
taaacatgtt atgttcagtc agatttcact aaagtgagcg actggggtttt 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

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

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<400> 145
gcagtaattc atgtgtatac gtgtgtgtgt gtgcacatac acacgtgcac atgtgtgtgt      60
gtgttcgtgt gtgtgtgtta atatgctgcg aagggtcaaac ccatagaaga gttgcctcct      120
ctcttgaatc ttccagaggt accacttggt aaagcgtttg tattaatcgc actagccccc      180
agctttttta gtgag      195

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

<400> 146
 gcaaccagca gcttgtggac attattgaga aagtaaaacc cgagattcgg ctgctgatcg 60
 agaaatgtaa cacgggtcaaa atgtgggttc agctgttgat tcccagaata gaagatggga 120
 acaacttcgg ggtatcaatt caggaggaaa cagttgctga actaagaact gtggagagtg 180
 aagcccgcat cttacctgga ccagatttct agatattata ttacaagagc caaattgggtt 240
 tctaaaatag ctaaatatcc ccatgtggag gactatcgcc gcaactgtcac 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>
 <221> misc_feature
 <222> (404)..(404)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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
 gggaagcgtc ccagttctag gcgcttcagc tggctccctt gcacaagtga cttctgggcc 60

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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 cccccaatg aagccaaagt 360
gtgtgttgaa gaactgagaa aaaataaaat cgagaaaaag actntcatat aagcactctc 420
caagcagttg ggggtgtgaat catacctgct tctcaccttg gctccccaca cactntntnt 480
cagaggagag catctgattg cagttatgga atgaaggcat ggctcccca ctttcagtat 540
actccttgct gtctccaata aagt 564

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

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

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<400> 148
actggctgag cctgctgaag gccaaattct acaatgaccc gggaagctgc gtanctgtgc 60
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 ccattctgtac 360
ccacggctgt ctttctgaa 379

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

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<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (70)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(78)
<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> (85)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(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> (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

gataaaacgt gcttggaag tcccaggagc tgctggcctg cacttaagag ccctagaccc	60
atttcctnan nnnnannncn tnaanntann ncnnnatcnn nnggnccann ggcncctct	120
tgacatgagc gtcgctgagg tgtttcgagg cctccggccn agtcctgagc tgctgcttct	180
gggcctgttg tttctgccag cggtggttgc tgtcaccagc gctggtcccg aagaaagcga	240
tggagatctt agctgtgtgt gtgtgaagac catctcctct gggatccatc ttaagcacat	300
caccagcctg gaggtgatca aggcaggacg ccactgtgag gttccccagc tcatagccac	360
cctgaagaat gggaggaaaa ttgacctgga cgggcaagca 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 aaccaggag gccatggaag ctgccttggc catggagaag	120
aacctgaatc aggcctcttt 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

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<400> 151
agtcttctga acatatctgt catgtcttgg catccttaaa caggaccaca gcatgcccac      60
gcctagcctt ctcatgtgtg gatatgactt ccactcaccc ctcgccagc ttgcaccaag      120
atgactgagt aggctttgtc agggactcct cctctttaca aaatttacat tcattcactc      180
tntttcctgc gcctaggtat ggcgagntc ttccttggcg gggacattct cacagtttag      240
ttcttttgga gggaactttt gtaatggagc acagctttct tccctgcaag agtggtgaag      300
gctcatggta tttat                                                         315

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

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<400> 152
aacgtagcag tagctgtctg tctgtatgct agagaaacga gatcagctgt agagggtaaa      60
cgacctgctt gtccccctct cagtacaagc tgggtcttgg acacactgat gttttgaatg      120
ttttacagtc tagccttttc agtcaggcac tttttggaaa aaactttgtc ctcatttgag      180
ggggcctggt gtgaggttct gtgcttgttt ttgtgggtat ctgcctcatt ccatccctga      240
gctttgacag gaagacaggt ggattccaaa ctgaggtgct ggttgacta gaggtatctg      300
tcggtttgca gaagtaatga acccttcccc accgaagaaa agggaggggtg cggccaccca      360
cgaggcaagc aaaagttaag ttgctaaaat tccttggcgg gaatttcacc ttgcatTTTT      420
gttgctctct ttcctgaaat aacgtgggag atgctctgat ctgtcctctg ct              472

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

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

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

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

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

<400> 153

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catcaagcag ataccggggc caacgaagga gccacttctg ggagctcatt gaggagagag	120
agaacaaccc ctttgacaac gacgaagagg aggttgtcac ctttgagctg ggcgagatgt	180
tgcttatgct tttggctgca ggtggggacg acgagctgac agactctgag gacgagtggg	240
acttgtttca cgatgagctg gaggactttt atgacttggg tctatagcag cgttgcgtgg	300
cgcgggcact ggtctgcgga gcctcagaca gtagctntcc cctgtgctgt gtggcagtgc	360
gtgtggctnt cctaggcagg cctctcaaac tccagggtgt 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 tttgatgac	120
ctctgatctc tgaagaagac atggtgattg tggttcatga ctgggtgaac ttgtacacca	180
actattacaa gaagctcgtg catggggagc agaggagca agacagggcc atgacagaat	240
tccagcaaga gctgagtact ctgggcagcc agtttctagc caaatacagg acctttctga	300
agtccaaaga gccccaaagc aatacactgc cctcctcata acttaaaggg tctgggcac	360
atgtcttaga accccaaaca ctcggtctctg tgttatatct tcagaccgtt ctccaagat	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
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 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 tttctcctn 300
 tgaacccttc tatataacca tccttgctnt nttcaaattcc atggctgctt ttttttccca 360
 ttgagcattg ttatatacat atataatgat aaatttcgta gtgggtcaatt gcaacggaaa 420
 tcgcctggag tcaagcagtt ttcgntctgg tcatgacat gtttttccaa t 471

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

<400> 156
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 gccggctgct cttccatggc gtacaagtgc tcagttccaa tgtgcccagt catgaccttt 120
 tctcaaagct gtacagtgtg tttcaaagtc ttccatcagc agtgatcggc gtcctgtacc 180
 tgcccctcag catcccgtg 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

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ccgcctagtc caggcctttc agtatacaga cgagcatggn ggaagtctgc cctgctggct 120

ggaagcccgg gcagtgcacac catcaagccc aatgtggatg acagcaagga atactttctcc 180

aaacacaact gagatgggta aacatgnggt gagcctgaag cttggatttc acctgtgccc 240

caacctggat gtcctgtgct ggcccagaaa atgctagatt ttctccact 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 gatccccac tcctgccctt tgatgccacc caaacttctt tggctttctt 180

ccctcttggc ttctttcttt tgtttcctct tttccttttt tttttccact tccctctggc 240

cggcccaccc atgcgctcca tccatctcat cctgccacc accattgggc tctgccagct 300

gaagtgcctt attgcccccg cacagcacca tctcagcatt ccacagggga ctctggaaag 360

ggtgcggaag gtaggcaaga ggcccacaga gacagaccat ctggcagcca ggcagcccca 420

gaagagagac attcagacaa aggaagtctt ctgctcacc ttctttaaag atcagataaa 480

cttgtcatcc cttcccag 498

<210> 159

<211> 442

<212> DNA

<213> Mus musculus

<400> 159

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cttcgcctcc gattgaagat ggagttaatc tttccttggg gcatttacag ctttactggg 120

aggaattaga gaacttagtt cagagcaaga aaattgttgc tataggcacc tctgatctag 180

acaagacaca gttggagcag ctgtatcagt gggcacaggt aaaaccaat agtaaccaag 240

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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

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

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

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<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 accctggcct gttgaaaggt ggcttttagct 360
gtgtgctgtg tacctgctta cgtggcctgc tgtcctctgt gtgattagga gggtttctgc 420
tggccctgca gcttgcttcc ctgcggatta ggcctttgct catgctatag ctttcatgtg 480
ggtgc 485

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

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

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

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<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 ttatttctaa 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 atgaaatggt attctaaaaa tgtaaaaact atgtcaaagc 480
 agaatctgnt cttctatatt tggattttaa 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 tgggggtcaat ttatcaatat ggaatatcta gtctactggg 120
 acatcccagg aatgagtttc acagttttat ttatgagtc gcacacaaat tctacactta 180
 ttgcccaaaa caacttccta caacattgtg gtgtgtctcc tcatgtgcta ccagtgggtga 240
 ctgagatggt tacagtctta tggatatagc taccactta 279

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

<213> Mus musculus

<400> 163

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aacaacttcc tacaacattg tgggtgtgtct cctcatgtgc taccagtggg gactgagatg      60
tttacagtct tatggatata gctatcactt aagtgagtat tgtgagttta tgaaatgtaa      120
tttgtaaaag aattaggctg agcgcacagc ttgggatcat gtgctcacct gcatcaaaca      180
caaaacacga tgggtacctac tcttttcccg agtccatggc tacgggagtg tgagtgagtt      240
ggagcgggtca cctggcactg cttctgttga cagtgtagcc actgtccact gccactgtgg      300
tgactgcaag agtctcatct ccct                                           324
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<210> 164

<211> 460

<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> (289)..(289)

<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> (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> (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
 ttcataacct ctttctgcta gtccatctgc cagctggctc gcaggactca ggcagggcag 180
 ctgtcccgga ggctgctgggt tggtagagcca ctgtcagctg agcgccgtga tgttgcccca 240
 ggggtggaaga agccacactt cctacactgt cagggcactt ttaaacttnt ggaggngngt 300
 gtgtgtgtgt gtgtgnntgt gtgtgtgtnn gtgtgtgtgt gtgtgtgtgt gtgttcattn 360
 tgcccttcca aatcatntaa gtgttattta aggcantct gctgtttgta tgagatggtt 420
 catagaaatt atgacaaagc ctttgttatc caggccatgg 460

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

<400> 165
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 caggattttg aaccacagta tcatcaaaga aactgccttc gacatccttc agtactcaga 120
 gcctcagtca agattctggg gccatgataa gaacatcccc acgatcggcg tcattgccgt 180
 tgtcttggct acacatctgt gtgatgaagt cagcctggca ggctttggct acgacctcag 240
 tcaaccacagg acccctctgc actactttga cagtcagtgc atgggcgcca tgcactggca 300
 ggtcatgcac aatgtgacca cagagaccaa gttcctcctg aagctcctca aggagggcgt 360
 ggtggaggac ctacgcggcg gcatccactg agaactcgga acacggcaaa cctcaccacg 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
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 ccacccttcg gctggagctg cagggctgtg aggtgaacgg atgttccaca ccactgggcc 120
 tggaagatgg acggattcaa gacaagcaaa ttactgcata ttcatttaaa aagtcgtggt 180
 ggggagacta ctgggagccc tcccttgccc gcctgaacgc ccagggccgc gtgaacgcct 240
 ggcaagccaa ggcaacaac aacaagcagt gggtacaagt cgatctgctc aaaatcaaga 300
 aggtaacggc catcgtaacg cagggctgta agtctctntc ctctgagatg tacgtgaaga 360
 gctacagcat ccagtacant gaccagggtg tggcatggaa accttaccga cagaaatcct 420
 ccatggtgga caagatTTTT gaaggaaaca gcaataccaa ggggcacatg aagaactttt 480
 tcaaccncc 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
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 aatgggggaaa 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
 tgagggttttt ttttnatcat agagaaaaat atatcttggt gtaattaagt gagaacttaa 360
 aaatacccag tgttgggctg gctcagtggg caaaagtgct tgctnccaaa acaaaacaac 420
 aacagcaaca caacacnaaa cnaaccttat ggcttgagtt caagtcctgg aaccacagtt 480
 gaaaggagag agcatattcc agaaanccgt cccctgggtt ctgcatgacc cagaccatg 540
 tacaag 546

<210> 168
 <211> 164

<212> DNA
 <213> Mus musculus

<400> 168
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 tgggtggcttt tgcaacagct tgaggggggg ggggggattc 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
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 taaggacgtg aagctgccag tgcagctcca gagagccatg gctgcagagg cangaagccg 120
 nccgggagggc tagggccaag gtgattgcag ctgaagggga aatgaatgcg tccagagctc 180
 tgnaaagaag cgtccatggt tatcaccgag tctcctgccg cccttcagct tcgatacctt 240
 caaacctga ccactatcgc tgcagagaaa aactccacca ttgtcttccc tctgcccgtc 300
 gacatgttgc agggcatcat gggttctaata cactgagctg tccaggtcta tggagagctg 360
 tgctgaatcc ttcccagggt aaagtgggga caaagttagc ctttaactca caggagagatt 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
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 cgtctttttg cacaaactac cctcaggaat gcgctgggca ccaagaacct gtctcaaadc 120
 ctctctgaca gagaagagat tgcacaccac atgcagagta cgctggacga tgccacggat 180
 gactggggga tcaaggtgga gcgggtggag attaaggacg tgaagctgcc agtgcagctc 240
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 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 aaccagagc agtattccaa 120
 gcgctttttg gactttattg ggcacatctt gtaaccttct gcacagcccc ggatgggcat 180
 gaactcggga aggctggtgg tggcttcagg gtaggaagaa aaggaaaacc gaacccaggg 240
 aagcgctcac cttgcaggaa gcaagccttg ttacatctt 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
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 ctgggggcaga ggggtccagtt tttccctgag ctgtcaggaa ggtgcagttt ccctcctctg 120
 agtatgagac tggaatcaag cnccttggg agcagaccct cggctgggtc accaagcaca 180
 aagtgaattt tttagacatt gtttggcatg tgtcagtaag ggacaaagtg gtaggacctt 240
 tagtttcttc attgttcaag cttttcccca gtgccatca 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
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 ctaccccaaa ctgattagta tctgtgatta atgtttcttt gaaggaagaa aataatagaa 120
 aagggtgttg tggagtacat gagtaatgcc agcattccat tggtagagtc aggaagatca 180

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gaagctcaag gttatactca gctatatata agtttgtgac cagtctgaac tacaggggac 240
attgcatcaa aanaaaagaa aaagaaaaaa ctgatatata ttttttttaa tttcttgaga 300
caggtttcac tcactatgca gttctagctg gcctagaact caaggggtcca tcagcttggc 360
ttctgcctct ttgagagcta ggatcaaatg tgtgtcctac catgcctggc aaagactctg 420
taagtcaatt tatttccttg cctaattaaa ttaattttgg cctgggtactt aatagtgaat 480
taaggacctt tttagagtca ttttgtctat ccaataatna aaantctcgt tcnttatttg 540
gtctatgggt cccaaatggt aat 563

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

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

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

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<400> 174
gaatcattct gctgctcggt gccgggctgg tgctcacagt catcgtgggt gttggagcca 60
tcctttctcat ccaggagaa agcccgatga agaatgcttc tggacttggc ctcatgtgna 120
tctctacggg gatattaata ctacttcagt acaatgtggt tatgacagct tttggaatga 180
cctctttcac cattgccata ttgatcactc aagtgtctgg ctacgtcctt gctttgggtcg 240
ggctgtgtct ctgcatcatg gcatgtgagc cagtgcacgg ccccttttg atttcagggt 300
tggggatcat agctctagca gaactacttg gattagttaa tatgaagttt gtcgcttcca 360
accagaggac tatccaacct cctaggaata ggtgaaggga agtgacngac tgtaacttgg 420
aagtcagaaa tggaagaata cagttgtcta agcaccaggt cttcacgact cacagctgga 480
aggaacagac aacagtaact gacttccatc caggaa 516

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

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<400> 175
 agggccacgc catttggtga agccaggcta gagatcctgc agcttctgaa aggcaagctg 60
 gtggtgggccc atgacctgaa gcacgacttc aatgccctga aggaggatat gagcaagtac 120
 accatctatg acacgtccac agacaggctg ctgtggcatg aggccaagct gcagtactac 180
 agccgagtgt ccctgaggct gctgtgtaag cgcttgctac acaagaacat ccagaacaac 240
 tggcggggccc actgctctgt ggaagatgcc agggccacaa tggagctcta caaaatctct 300
 cagcgactca gagcccagcg agggctgcct tgccttggga cgtcagactg aacttcatcc 360
 tcatccaggg ttagaagctg ccactcctca agttctccat gaatgagacc tgtttctaac 420
 aaccactgcc accaaccacc gcaatgtgta aaaccaagaa cactcccca ttacagcaac 480
 tctcttgctt tgaggcaaa 499

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

<400> 176
 taatctcccg gaacggtgat ggcattccgaa tggaaataac tgaaccaaata tgcactgaag 60
 ttttgaaata cctttgtagt tactcaagca gtcactcccc acgctgatgc aaggattaca 120
 gaaactgatg tcaaggggccc 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 aggccctaata gcatgtgtac tgtgccagcc ctgacttggc 180
 caccaggcgc ccgctgggccc agctgacagg ttatgagctg ggcagctgtg gctggaagct 240
 gccaccatcc tgggcctatc caggggtgtg gtgggatgtg tcaactagtg ctgtggctgt 300
 gctgggcctg attctgctgg ctgggtctatt gaacacattt acagagtcca ggaactgagc 360
 ctagcccata aaaccaggga gagcccaggt cccagaagc atcagcccca gtcagcccat 420
 gccatcaaaa gccacaggg ggcaggctga ggccgcctca tgggcaaaga cacttgctgt 480

ccagtctaaa g

491

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

<220>
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<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

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cttgtagtcc ttgtgttttt tatgagtgtg tatgtgtgtg tgtgtgtgtg tgcaacaaca 120

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gaattgagat tatagtgcc atacatttgc gttatgccct gttatcctaa gtatctacta 180
cctgtgtctc tgaaagcact attttaaaaa tgcctgccta atatgctata ctgtatgaaa 240
atagttctct ctnnnnnnnn nnnngnngntt nnaatnttcc tcannnnnat aanggnacgg 300
acattnngtg naaantngac ccagtcnta ggatanaatc atgaaaatna aataaatggt 360
tnacatgana atttttagg cccittaaaa gtatgccaaa ttanattttc aatagattgn 420
atcaaattaa cagcaccccc acatcagcat cgtttctttt aa 462

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

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

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<400> 179
acaaacctta ggagacgac acgatcattt acttacaatg atttccaaga tgtaaagtca 60
gatgttgcca tttggttatg agtaaaagtc atttgtcttc ttttgatagt gtatgtgtat 120
atctaaaata tatactaata ctaatgtgta cttctaaaat atagcttgtg tataagaaga 180
gatgatttca tttttaaaat acaccatgca aatacatatt aaatgtaaga actttttata 240
ttatactaaa ataattcatc atctatcttc cgaaatattt tatgaanatc tatctgatat 300
tctattctaa taaaattctt tatttctaca ataacagtca gtaagaagaa gctttgtaaa 360
ttgttaaagt aaaatgaaaa ctttgtagta atgtcacatc tagtttggat tatatttcta 420
agcaaagcaa tgtattttaga taactgtata tacagatgat attttacata atgatggatt 480
gaggcttata gaaatgaccc attttttatg ctgtggaagc atggacattt gttgttgcac 540
actaattctg actacagatt atctgtttat cacttcccac 580

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

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

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<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>
<221> misc_feature
<222> (164)..(164)
<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> (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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aatcttaacc caggtagatg tctgagactt cactttgcc a tcatatgtac tctnatgaac      60
attccccatt agatagagca acaattttgt tcacaggagt gtgggtcatgt ttcattttctc    120
cacatatcca tggantagat catctctccc antaaatgna cgantcattg aaacaacacc      180
aaccagtgct tgaacgatga agatggcata ctttcacaca agcattttatg tctcatattt    240
ggaattttan agtttggtata gaagttcaaa ctgagagggtg 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 agtaaattgct cttaatttca tagaag                                516
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<210> 181

<211> 512

<212> DNA

<213> Mus musculus

<400> 181

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acaggtttta gggatatcact tcaatttacc aagcatgtag ttctagcgca ctagcatggc      60
accagccatg tatttacaat gtagttacag agtaattaca tggttatttt tgcaatgtaa     120
aataaagtgt ttctgattat ttctatgta aaggaccccc caccctaccc gtgccccctg     180
gctttggtat aatatattta cttctccata cacagacctc tgcagaatgc aacataaaac     240
ttgcagtga a tgaacttagc attttatgag agtgctgttg gaaagacttg ataattcacc     300
cctttttgtt ttgaagagtt gaatcttctg ttaaaagggtg atttaaaact tgaatgtgat     360
gaattgtggc aagctcactc cagttatgtg caatacttat ctcacacttt ggaagatctt     420
tgcagtgtaa ttctttgttt ttaattgcag acattaaaaa atgtcatttt ctactgttaa     480
gagtaatcct ctttcttgct ggtgtttcta aa                                512
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<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 tttatatattt taaaanttta aagtataatt 60

agtttttata atttcatcag atttttgtta tttttttttg gaagtgaac 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 tttttttgta 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 gcattttcac caggaccgtc gtgggggag cctggacata aacgatggac 60

actgcggcct tggaagtgag gtgaacgcca cgctgatgca ccggagacac accgaccccg 120

tacaactcca ggcagcaggg cgggtgctt gggccagggc actgtatgac tttgaggctc 180

tggaagagga cgagctggga ttccgaagcg gagaagtggg tgaagtcctg gacagctcca 240

acccatcttg gtggaccggc cgtctgcaca acaaactggg tctcttcctt gccaaactatg 300

tggcccccac gatgcatga gtcgtactgc aaggccttagg ggcttttcgt ccaaagccgc 360

ctgcaagaca gagaggggag agggggtaaa gctgaacttt ataatagacac 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
 gacttgggttc tgagcatata cccacctgtg tgccacctca ctgtgcggat cagttctgcg 60
 aaattgggtgt ctgttttaat aaaggctctt gaaattacaa aagcaagtca cgtgagcccc 120
 caccaggag atagctggat tcctttactc attaatgccg ttgaccattg catgaacnga 180
 attaaggcgc tcactcagcg tgc 203

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

<400> 185
 aaggctatgg ctctgctag aattgctgat tccttccacg tcataaagaa tagttccttg 60
 tcagagtggc ttatggggcc tacgtgcaaa ggaggcccta aggacgtgcc taatacagag 120
 gagagagctg gcaaagagat gcttcaaagc tccatggcca cttcctggtg tccctttaac 180
 actgccgact ggggtttacc aggaaagaaa gtgggaagcc tcagccagtt cccctctgga 240
 gaagataagt ggctacttcg aaagaaggca caggaagcat ttcttaattc acccctacaa 300
 gaagaacgta actttcgccc cgactgttac ggctcccag cagtttgtga tctctttgcc 360
 tgtatgcagc ttaaggttga taaagaaaaa tggctgtaca gaactcctct aca 413

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

<400> 186
 gcaccttgaa 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 aaccactgg 60
gggaccggat catcaatgcc ttcttctcag agggagagga tcaggtaaac ttccgaggat 120
tcatgagaac attggctcat ttccgaccca ttgaggataa cgaaaagagc aaagatgtga 180
atggcccgga acccctcaac agccggagca acaagctgca ctttgctttc agactctatg 240
atttgataa agatgacaag atctcccgat atgagctgtt acaggtactg cgaatgatgg 300
ttggagtga tctctcggat gagcagctgg gcagtattgc ggacaggacc atccaggagg 360
ctgaccaaga tggagatagt gccatatctt ttacagaatt cgtaaagggt ttggangaaa 420
gtggatgtag aacagaagat gagcatccga tttcttctact aaagggcaga gaccaaatta 480
ttcttgcttt ctagtattta agaactgaaa cttgtgtcct ccagccccac cccatcctgt 540
catcccttt tcccagaata ctacagctct tgcattgacaa 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 tccaagggtg gtaaacaatt ctttagtaaa taaattgcta 60
ttaacccaaa caaacaaaaa cactgcaaag aggatgggta aaggtagaca acaggggaat 120
ggctgggata gatggctggg gctacatgaa ctggggattc tttacgaaat atctgttaga 180
ctttgtgatc aaatgatgtg ataaaagaat tgtataaagg gaataattgt ctgatactga 240

tctgtttgag aagtattgag aagctttctca atttaaatat ttaaactttc taagcttatg 300
 ccccttggc 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 tgaccagct 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 cttttagca 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

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gttgggccta gacggagtcc cctgcaantt agctttctag gatctaccac acttctgtga    120
aagccacctt cccccacat ctcagttctc ttggcctcaa aactcacaag gttttcccct    180
aaaccagctc cttggaggct ggcaggagca gagaggggtg tgtgaggag gagagcctgt    240
cttgttggtg ggaccctaatt taccctgag cctnctcggg aatgcttttc cagcaggga    299

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

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

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

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

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<400> 192
tcagaatggc ctggctagga gcccttcagg cctctctctc ctctgtccac ccttggcctg    60
tctcatccct gtgggtccca gctcagctct ggccaccccg ggctctctgc tgtacatatt    120
cgagactagt ttttattcct tgtgaagatg atatactatt tttntttnnn 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

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

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

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<400> 193
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 cacacaatga gtcattggcat ggtcccatg taggcctgtt aacttcatga agttgacggt 120
 agccttttaa agatacacac acacacacac acacacannn nntgaaatag gagatttcct 180
 caaagttttg gggaaacttt tacagtgtat catgtgaatt cagatttacc tcaatactaa 240
 gaattatggt 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 ctgtgctgt gaagggtttc cagtgcctcc taattgaggg 120
 tgagaactca ggagaagatg ccctgaggga agcagaaaga tttcttataa gcaatgaaga 180
 atttgaaaca ttcttgagc 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 ctgaaagggt 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
gatagtgtgt acgggttctt caggcgtaac ctaacatggg aagagagcaa gcagtattgc	240
actgagcaga atgcaacact tgtgaagact gccagccaga gcaccctgga ctacattgca	300
gaaaggatta cttcagtcg 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	
tcaagtttct tttcctaaca gtcaattaag ctgaaccctg cttagtcccc gacccccaac	60
tctaaacact caactcatac tgaatgcaga gtgacacctt gagtcacact gagagctgag	120
tcacacctgt gtctcttttc ctcaaacatc ctttcctca 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 ctttcatcca tgtagactc 420
 ccgtggacgt aaatctatct cccttgtcta atcagactcg a 461

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

<400> 198
 ttttctgcc a tgcaggcaag accatcagca ccgagaaccc caaacctgtt ttgtacttag 60
 agactggctt tggtcagtag ttcactgtgg agacaatgac agtattctct gtgccagtgt 120
 cgctgatgga gctccccctc cccacagggc tgccattacc agaccacggc cctgcagggc 180
 cctgggctcc tgtctgctga tgctgcccgc ctcacctgca gaggtgcca tcagggcgag 240
 ttctcaggtg tctgttgctg tgccatgggg gccttcttcc tggccctgtg cccctcaagc 300
 aggctctgcc caccaccct cccgttgtca cctgtgccag tctgacctag ctgcacagag 360
 agaaggtcca gccacgtct aggaggggag gagtgggtat ctctggcagc atgggctgcc 420
 cgcaggctgg gcagtgggtc cctccacacc tacctcaggg agccagtgtg cgggcgggaa 480
 ctccacagca tgctgttag 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 gaggaagga tatgtttcac tggaagacta tacatcattc ctgattgaca 180
 aggagtcaga gaatatcaag accagcgatg acatagagag tgcatccaa gctctggcag 240
 aaggcaaggc ctatattacc aaggaggaca tgaaacaggc tctcaccctg 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 ctccagaagcc agtaaaatgt tcataattta 180
 aggaaaaaac caagaagcta tgggtggtact atatctaggt gttttcagta caggatatgtt 240
 tcttaggtaa ctttggtngc 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
 tgtcggggccc 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 agcagcgctt tctgcggggc cactgaagc agaaggcttt 360
 tccctgggga acagctctcg gtgttgactg cattgttgca gtctcccaag tctgccctgt 420
 ttttttaatt ctttattctt gtgacagcat ttttgacgt tggaaga 467

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

<400> 202
 tgctctctg agcatactag cagcaaaaga gccaaactctg gagctagaac caggttctgg 60
 tcctgtcggt cacacctgct agctgtgcaa acttaggcaa atagcctttg agccttttcc 120

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ctctcatcta cgaagtgtgg ataataacag aaccccatag agcagtgtga acaattgaga 180
acacactggc tgggacagtc aatgcttaaa atgcccgaat taatgtccta agtatttctt 240
ctcttcctat tctggccttt gttacatgat gaccatcaga aagttcttat ctccagccca 300
gactttctata gatagatccc acagtgtttt ctgtggattt taacatttgt ttcttgctcc 360
tggatagtga gttgaaaggc aagggttagg atctgtcctt acccccacc cccaccccag 420
catcttcaat actatttcac 440

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

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

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

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

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

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

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

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

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<220>
<221> misc_feature

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<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
 aaacgccgtg aattgtacct acaagaacga ggatgactgt gtcgtcagat tccagtacta 60
 cgaagacacc agtgggaggg cagtcctcta tgtggtggaa gagcctgagt gtccaaggg 120
 tcctgatatc ctggtggtac tgctgtcagt gatgggggcc atcctgctca ttggccttgc 180
 tactctgctc atctggaagc tactcatcac cattcatgac cggaaggaat ttgctaaatt 240
 tgaggaagaa cgagccagag ctaagtggga cacagcaaac aaccgctgt ataaagaggc 300
 cacctccacc ttcaccaata tcacnannnn ggnnannnnn ngnnncnct 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
 atcactctta gcaaccagca tcaagacagc atctacaact gcaccgcaag caaccctgtc 60
 agcagtatct ctaggacctt caacctatca tcgcaagcat gcaagcagga atcctcctca 120
 gaatcgagtc catggatgca atatactctt gtaccactgg gggtcgttat aatcttcac 180
 ctggttttca cggcaataat aatgatgaaa agacaaggta aatcaaata ctgccagcca 240
 ccagtggaag aaaaaagcct tactatttat gcccaagtac 280

<210> 205
 <211> 356

<212> DNA
 <213> Mus musculus

<400> 205
 tgtttgcaaga gaaccatcct tccgtcatcg tgcagcctgg gaagagacct ctacctgtgg 60
 aatccccgga tacccaaagg aagcgcagga tacacagatg cgactatgat ggggtgcaata 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
 atatcccttt ccttgtgtgt cttatcttat tgttttggnt ggttaatatg gtgataattg 60
 aaagtcaagt tgaaattcaa atattaatat ttctgatttg ttgagctttg aattatgcca 120
 ccatgcttat ataaaaacga aggtggcacc atgatgaaac ttaaagaaac agtttctcat 180
 ctgtaacagt tttgattctc tttcctgtga cctctttccc cactgtctgg aaccatagca 240
 aaaggatact gcactctctt ttantgtagt gctgaggtta ttgaagttac agaaacacat 300
 ctggtgtgtt tcctagaaaa gtacctgttc agtcttgcta ggtgactgac aggagaggca 360
 aatgtgttat gttttgcaca ccaatgcagc agggtttgta taaccacatg acttcatagt 420
 tgtgatctca aaggaacttc tcctttatct tttcttgcaa ttaatgtaag aatactctaa 480
 atctctgcac ttctgaagga 500

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

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<400> 207
tgtatttctg cctaacaagt agcttttata atactctgaa cttttcagaa aattgttatt      60

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

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

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

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

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

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

```

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

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<400> 208
aaaagaaccg acgagctcac ctgcgcctgt gtttagaacg cttgaaagtt ctgatccgc      60

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

```

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

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

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

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<400> 209
cagcgctggc aatgcacctt ctaaaaacaa gggctagaga aacccccac ccctgccggg 60
atcgcccttc ctcgccttcc ttgcctctct tcttgcatag tgtggacttg taaagcctga 120
gacctgcctc aagaaaatgc agttttcnaa cccagagtca gcactcggcc tttaacgaat 180
gagaatgcat cttccaagac catgaagagt tccttggggt tgcttttggg aaagccaaag 240
cgcttattta cttcccacta ggaagggtgcc 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
gaaaatgtgg aggagctgtt cgggtactaaa tcattttcag gggacagaca gacttgctgc 540
atttccgcat gctgctggtg agagctgatt gacccaatct tccac 585

```

```

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

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<220>
<221> misc_feature
<222> (133)..(140)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (148)..(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> (479)..(480)
 <223> n is a, c, g, or t

<400> 210
 ggagagctag agaaccttac cgtctcagtg agctctagct gcctccgcag gaggggcagt 60
 gcgcctttac tttatggtta gaaaggcaca aaatttctat caacctaaact aaaacattcc 120
 ttttctttct ttnnnnnnnn ctttcttnc tnccttttct ctcagttacc atggattttt 180
 ccaaattctct tttgggtttt gttaacaaa tgctttaaca atgtaataata tttattttgt 240
 tcccctattc tggagggttc gtcggaagga ttgttactga aacaggaagc gtgggactat 300
 ctgaatcatc ttcgtagtga gtctttatga ctgtaagatt gtaaatacag attattttatt 360
 aaccctgttc tacctggaat tagactgcat atagcaaatg tttgcaagca ggtagctgag 420
 gcggatcagc aaatctctcc aaaaccagtg tgtggaaagg cagcagaggc agctgctttn 480
 tcattctgggg ctcacagtga atgatttgga ctcttttggc ttcc 524

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

<400> 211
 ctaccgggc cttaggggaat tgacaattgg ctctttccct aagcagcaca gttggacaga 60
 atccagcgtc cgtccgtcct accttcccat ccagagtttg tttcccatga ggggtgcttag 120
 cgccagccaa ccattcccat gtgtcgcata tgcacacatg accacacaca ccagagcagg 180
 actcctcgga tgaggctaga cttgaggacc acaggaaaca caccctgca cttagaaggg 240
 ctttgggatc gggggcaacc tgggtgggggc 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 ggggt 494

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

<400> 212
 gaaaggcagg agctagcacc tctctcacgc tgggtacact tgcctggcc tgtgtttgcc 60
 tcaccctggc ctttacagtg taaaaacacc atgggacttt agagcaggga aggataagga 120
 acagtgtcac ttctagagcc ttctgctggg agacgctcct actgatagag gaggtaaaga 180
 ctactgacct cccggctagg cctggcttaa gccaggcgtg cctgcgtcac aaccttttgc 240
 ggtgtcttag caacctgaac ctgagatctt attcccgaat cccacagggc ccaatgtgca 300
 gggctcagcc tggggccatc tcccttttca 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
 atattcacct gaacacttgt gccaaaagca cctggatggg gagttgtgtt tcacatgaag 60
 tataaatttg acaacatcct gaaaaatcta aaagtgaat ttttttcttt aaagaatttt 120
 ctctggcacc acagatcctg tagataccta tttatatatta tacatatata tttatgaaat 180
 aattcttatt cacaaaatat atttctgaat agcctaaaaa ttaagatact aaatctgatg 240
 cttaaatttt cttaaatttg gctattactg ttttttgttt aaaacttaaa acttgctttt 300
 taaattgtgt atagatttta atctaatagt tgctgggtata gatttggact gtgtgtgtgt 360
 gctcttaaga aaacagtttt gaatgtctaa acatttgatt taaagttccc tgtttatctt 420
 ttgaccaaaa ggagcaagag atataatgga tatggcattc attaaaatca ttaatatata 480
 ggaaaaataa tatttatagc atcagcaa 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 gctagagggg aggccctgact caggagcctc tgggagcccc atcctcacta 120
 ctgtgaaccc cagagcctcg ctggctcagca cttgctgctg gnnaatggac cagtcaccga 180
 gctttgctgt ttgatccttc tctgcccttc cctgttttcc tttctatatc tggcccagaa 240
 gacctcttgt atgtgtgggt tttctgtgtt gtactagtga cttgagtcta ggccctttgt 300
 tgcattggtc tggatgcaca gtgccttata tacatgtatg cacacaaacc gggccaagt 360
 attttggtta gcatgatggc ctatggcagg agtgtgtgtg tgcgcgtgtg aacaaagtca 420
 ttacacttag tgtttgaaa tgtaaagaa gcattgttat tatggggagg ggggagcaac 480
 ctctgggttc agaattaca tatgctgga 509

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

<400> 215
 taacagctgg gtattgaatt cttccaacat aaagtgcaaa aaaatatcat ggccagtaaa 60
 ctgagcttgg gatttggagt ccttgagcca cctgactatg tgtggctttg gctagctaatt 120
 taaccctgtc aaaccttggg ttccctatta acaaagtaag gctaatatca atgttacagg 180
 attgttatat tagatgaaaa tactgtatgt gaaatatctg acagactctg gaacatttgt 240
 gtttaggtta 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

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<400> 216
cagcaatggc ctgggacctt aaggtgaaga tgctgggggt aacaatttcc tgggtgtctgt    60
gactaactcc atgatgggtg cagaactgaa gaagcagatt gccagaaga ttggtgtgcc    120
ggctttccag cagcgcctgg cccacaaaaa tgaagtgtc caggacagtc ttaccctttc    180
caggctgggt ctgggtccca gcaacacagt catgctagt gtacagaact gcagtgaccc    240
tctgagcatc ctggtgagga aaaaaagggg ccacagcaac atatatgagg tctttctgac    300
acagactgta gacatgctta agaagaaggt gtcccagcgg gaacaagtcc atgaagacca    360
attctggctg agcttcgagt gaaggcccat ggaggacaaa gagctgctgg gggagtatgg    420
cctaaagtcc cagtgcacag ngatcaagca ttgcgctg aggggtgggg aggggaccaa    480
tatgcctaag gccccatcc agagccagt ttggttataa aagatgat                    528

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

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<400> 217
tacagcaatg gcctgggacc taaaggtgaa gatgctgggg gtaacaattt cctggtgtct    60
gtgactaact ccatgatggt gtcagaactg aagaagcaga ttgccagaa gattggtgtg    120
ccggctttcc agcagcgcct ggcccaccaa aatgaagtgc tccaggacag tcttaccctt    180
tccaggctgg gtctgggtcc cagcaacaca gtcatgctag tggtagagaa 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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<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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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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gggaagaacc tagtggccat tctgcatctc ctcgtctccc tggccatgca cttcagggcc      60
cccatcacc  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 tgtgtacctt gttctacttc tgggccttct      360
tgaagactac tttgtcccc  ttcacaactt ctacctgact cctgacagct ttgaccagaa      420
gggtgcacaac gtggcctttg cttttgaact gatgctggat ggaggcctca agaagcccaa      480
ggcacgcctt gaagatgtgg tgaacttggc 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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aagttccagg tcattgccat tgaaggactg gatgccactg gtaagaccac actgacgcag      60
tcagtgtcag agtctctcaa ggctgtcctc ctacagtcgc ccccccttg tatcagccag      120
tggaggaaga tctttgatga tgaacctact atcattcgaa gagcctttta ttttttgggc      180
aattatctcg tggcttctga aatagctaaa gaatcaacca actttcctgt tatngtagac      240
aggtagctggc atagcacagc cacctacgcc atagctactg aggtgagtgg aggcctacag      300
tacctacccc ctgccacca ccctgtgtac cagtggccag gggacctgct gaagcccgac      360
ttggctcctgc tgctgactgt gaattctgag gagagagtgc ggagactgca gggccgggggt      420
caggagaaaa ctaaagaaga ggctgaactt gaggccaata atgtgtttcg tcagaagggt      480

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 cagatgaact caagaatgtc ctcaacacag tggatgaacaa acacaaggac ctgaagacac 180
 aaggggttcac gctggagtcc tgcagaagca tgatagctct catggatata gatggctctg 240
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 atgcggacaa acacatgaac atcgactttg acagcttcat ctgctgcttc gtcaggctgg 480
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caaataccaa ctgaggtcaa gagcaaagct gaggagggtg 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 ccttnttcaa 420

tttaacacgt tggaagagac agtaggtggtt aantntttcca gtaccctcct tacttggttg 480

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 ctgacanggc tccacatgct tctggaagtg tgccagttct cgaggggatgc ctctgtggnc 240
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 ggacnagcgt agaaaagctt atcaagaggc acgaggcggt tgagaagtcc acagcnnnnn 360
 nngnngngcn nnttgccgcc ctggagaagc ccaccacgct tgagcttaag gaacgccaga 420
 ctccagaaag acccacagag gaacctgggc ctcaagagga ggaaggcgag acagctggcg 480
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 <212> DNA
 <213> Mus musculus

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 agatccagac ctcacaaatc aagaggtaga ggtgatggaa ctgggtgggc acaggatcag 240
 cctcccacat tgagcctcca ctcagaacat tgtcaggcta catggtcact actaccactt 300
 tgtgagggaa aaagctagaa aaagcaaaca gaaatggagc atggctcccg ctcatcata 360
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<210> 224

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

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 cacacgctgg ggcagggcct gcccatctgc actgctggga tgctctcccc caggtcacct 180
 gtgctaacag agtggctatc ccagcctgct ccacaagca ttctttctcat aagattgacc 240
 ttggctcaag actgccaatg gatagctgtg cctctggtga aagttctgtc ttaaattgtgc 300
 aatagaaggt gatgttacct ttgnccttc tttctccant ntccatagaag tgaggaccct 360
 tgctgacncc aatgcacac aggttcccnt ctcccttgtc actaaagcac agggtcgaca 420
 gacttgaatg ctagttagat ttgtttgtat atgatattta tttttttctt caannccatc 480
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<212> DNA
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 aaggtctggg tgattgacgt cagtcagtcg gtagagccaa cccatcctca tggcctggag 120
 ttctttattcc 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 acagcgggta cggacggcag ctgccatagc cagcgagtgg aggtgacctg 420
 acataccaaa gcaggagtgg acagtgtctg ttctgggctt ctcacttgtg acccacgtgc 480
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 ggaccaaagc tgtgctcagc caatttcaag cagatttgga caatttggag aaagagatta 180
 cagcccggaa tgagcaactt gacctgcctt atgaatacct caagcccagc cgcatagaga 240
 acagtatcac catctgaggc nnnngctgct gggaccacaga aggcttnntc anccctagga 300
 ctncacnac ccaacttnatt ctntnccntc tnnatntntg ctntgagac tctaattccn 360
 tntccngant aaacactcca cattagtntt cnaactacag ggcactaaat ntcttgctgt 420
 tatgaggaac aatttantnt ttggaggnc acccactttn taccacaatt acttagcttt 480
 ctcactatac cact 494

<210> 227
 <211> 521

<212> DNA
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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 gtttagatttg gtctaacctc atacagacct cagggtccaa acctcatttt 360
 caaaatatcc aagagccatg gtggaggaga ggaaaattgt atttctggat aaaatcaact 420
 acttcagcta gttctccttt gccaggaacc agacttcatg cttgacggcc aacgtgtaaa 480
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 ggtctacatt ccagtgtggg gggaaaaaaa atcaatcttt attctgttaa tttcttgga 180
 acaaattcat agtaatagct atttgggacc agacaaaatc agctttcatc tataattcat 240
 tgggggtaat aggggattta gataatgtat ccagagttaa acataccagt ttgaccacc 300
 ccnttaagcg tttaaaataa aatatgcaac aaaatggatg acttagtgga gatggaagcc 360
 cattaactgg gttccccatc aaatcgttta catacaagta cacagttttt ataaggattc 420
 ctgttaaaag tcttgtaaag ttgatntctt tcaccagat atatcacatg tgagtggag 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 gtcacttagt 180
 tgtccttggga cttttttcca aggtataata tggggtttta tgcaaaattc caagctacca 240
 tatgcattgt tgtggtccag aaatgccaaa acttaaaggg tggcacaact tgagtccttg 300
 gcttgactgt actggcttgg tctttgtggc atatcagttg ccatctgcat aggagagtgg 360
 ttgtatgtaa cacagcccaa aattgctaatt ctcacatgt 399

<210> 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 cgggggtactc atctgcagtc agaaatcatt tnttctttat tgaattccaa 420
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<210> 231
 <211> 331
 <212> DNA
 <213> Mus musculus

<400> 231
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 aaagcgctag ccagccaggg gcaggcccct gctgcccgga agctcccgcg tgcaccccgg 180
 gatgaccaga ctcccggact cctcaggcag tgcccttcct cccactctt cctccccaca 240
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 <211> 513
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 <213> Mus musculus

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actaatgaaa	ctgaccagag	cattgtggac	ggggnccna	ggagaatgca	gtcaggatgc	180
tggcgtgcc	ttacactatt	tcccaggcct	tttctcctct	cccgtgctct	tagtgtctct	240
tcttctcccc	tctcttcaga	agtagctttt	gtaaatcgct	actgctttct	agcctggcct	300
gggttacctc	ctctgctgtt	agtttcaagg	gggcngaggg	tgggggntng	acngnacttg	360
gctcatcann	tccaactntn	cagcncctggg	tgcctagtgg	agagagganc	cctttcttgg	420
tttctgnatt	tgaggacaca	tcctnccagt	ngncaagacc	tntccgggac	ccancaaggg	480
ttgagtaaca	tttgctgaag	gaacaccggc	tta			513

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 <212> DNA
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aacgtcagct	gcccattgggc ctcttgact agacggaaac cacctagcag cagacggagg 180
gagctgtgga	gatgccaccg ccaccacgcc aagccagacc cggccatcca tgggtgcagtg 240
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gtcatttgaa	ataggagcca tttttgagga tggttcagacc tcaagggaac ccggatggct 480
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<210> 234
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 <212> DNA
 <213> Mus musculus

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tttatcctgg	attcctgact gttgtcgtat gacacagtca actgtgagtg cttccatccc 180
tacgcaggta	gtcttggcct atatatgaaa tcttgctgtg catgtgcca tgaatgaacc 240
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gttt

304

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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> (124)..(124)

<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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<222> (130)..(130)

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

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<222> (133)..(134)

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

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<222> (136)..(139)

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

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<222> (141)..(144)

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

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<222> (146)..(147)

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

<220>

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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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<222> (161)..(161)

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

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<222> (164)..(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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 <222> (175)..(175)
 <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> (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

<400> 235
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 tttgaganag aaaganagan aganaganan anaganagag agagagagag agaganagan 120
 agananagan agnnannnnng nnnngnngga nnnnngnnag naannnnnan nnctngcttt 180
 agtctgcatg tccagcattg ctagcacatc agaaatatca aaatgagctg ccagattccc 240
 ctctcccatt tctctctgag gctggcaact gtttaggctg tntgttttga ctnttgccaa 300
 agggttttaca gaccccacac ttntcctctt gaaggggtgtg cattttgatg ttgaacatca 360
 gctttttattt aaacttaaga ctcacatgca gtaatatagg caaatgtaat tctggaagca 420
 ggaatagcag tggtaatgta acaccatcct gttgagattc agat 464

<210> 236
 <211> 527
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (312)..(312)
 <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> (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 tgaaattggt gtctaggtga	120
ttctctaaga ccacgaagga cacaaggaca agtcatctat gaggattgaa tcaacggttt	180
cagtcttttg gatataacct gggccagcca agggatttag gaatgaagca agctccgtgg	240
gtagaggtct gatccccagt gtgtaatggt aggggccatg tacaggattg actctcaggc	300
ccacagatct tnaccagag aaaccctgac ctgctcccat nctgtttttc ctggggaaaag	360
gaccctaggg cactcaacct ttatgcaatc agacatgcct ctgagagact 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

tgctgctcca tgctttggcc aataagatgg gtctgaagtt tcagaggtag cgacttggtc	60
cctatggaaa tcattcctat ctggagtctc tgacagacaa atctaaggag ttgccgttat	120
actgttctgg gggtttgctg tttttctggg acaacaagtt tgaccatgca atggtagctt	180
ttctggactg tgtgcagcag ttcaaagaag aggtggaaaa aggagagact cgattttgtc	240
ttccgtacag gatggacgtg gagaaaggca agattgaaga cactggaggc agtggcggct	300
cctattccat caaaaccag tttaactcgg aggagcagtg gacaaaagcg ctcaagttca	360
tgctgaccaa	370

<210> 238
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 238
 agtatcaatt gcaactccac caggactcca gtcgccaagg agcttaatta taatctagac 60
 actcatgcgt ctacagggag gatcaaggca gttgagaagg aagcctgtaa tgcagaaagc 120
 aacaaaaaaaa aggaaatgga acttcttggc tctgttgcta aaagcgaatc agttcctgaa 180
 gttgaagccc tgctggcaag attacgagct ttataaatga aactgggttaa 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 caggggtcctg agcatccagt ccacgctcac ggaggccaag caggtcacct 120
 ggagggcggt gtggagtggg ggtggcctct acatcgagct cccagctgga cctctgcctg 180
 agggcagtaa ggacnagttt tgcagctctc ctagagtctg cagaggagca actccaggct 240
 gaccacgttt tcattctgctt cccaagaac 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
 cagttccaga acatgcggca agtgattcaa cagaaccag cgctcctgcc tgctctgctc 60
 cagcnagctg ggtcaggaaa accctcagct cctgcagcaa attagccgtc accaggagca 120

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gttcatccag atgttgaatg agcctcccgg ggagctggcg gacatctctg atgtagaggg 180
ggaggttggt gccataggtg aggaggcccc acagatgaac tatatccagg tgacaccgca 240
ggagaaggag gctatagaaa ggctgaaggc actgggcttc ccagagagcc tggatgatcca 300
ggcctacttc gcgtgtgaaa aaaatgagaa tttggctgcc aacttcctcc tgagtcagaa 360
ctttg 365

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<210> 241
<211> 386
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (68)..(69)
<223> n is a, c, g, or t

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<400> 241
tgctacacgc gctgctattg gcacttctac taggtcgctt gcggaggctg cgcgcgcgctg 60
cgcgcgcnnc gctccatcca agagttctct ctcacagccc cgctggtggc cgagtcggcc 120
agaggtggtg catcctaaga aaggacaggc actgagcaac aaggacctgc aaactttaca 180
ggtccttgca ggaggaccct caccttcacc tggatccgcc ttggcctcta cccttgccca 240
acctcccaga cccgagctct gcaagcctga atcaacatgg tgccaaactg attccagtac 300
taccagagtg aagcaacctt gagtcttcag agcctagagt gatggaacag cccagtctcc 360
tgccagactc ctactgaat aaaccg 386

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<210> 242
<211> 274
<212> DNA
<213> Mus musculus

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<400> 242
atcattgtca ggatcagatt ctcttcttca aataaccact cctgtggtgg cttcaactgt 60
aggtaacca aatcagcatt cagcaacaat gtcaacacca gctattcatg tctcaactta 120
tcacacggcc cctactgaag tgtctgctgc gtttgaagaa cagcctgtct caccacacat 180
tggaggaatg ccgtcaccaa ttcaacacga ttttcctgca ctagtgatga tactcataat 240
tttgggcgtg atggcaggga ttatcggaac tate 274

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<210> 243
<211> 256

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<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> (146)..(146)
 <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> (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 tataccatt aataacatta 180
 ttgtgggtgg ctganticctt nntcatcat gggacgagtg agccagagcg ggggaaaggg 240
 catgaagtaa agcggt 256

<210> 244
 <211> 339
 <212> DNA
 <213> Mus musculus

<400> 244
 agtccttcct tctgcgttgg gagtctggaa gacgactctc ctttcctttc ctttgcccag 60
 atgctgaggg ttggcaaagc aaaagcagac ggggtggcca 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
 aaaaccaatt ctgatctccg gctttatattt gaatgtactt ctgtaagttc agttgagtaa 60
 ctatagactt actggtcttg ttctgtccag ctctgtatattt gggccacttg ttaatgtgcg 120
 tttctcatgt aaactgtacc ttttgtgact tcacaattgg cacctccacc acgagcagag 180
 ctgacttcct ctgctgtgtg gcagcacctt cacaggcttt tgattaaaaa gaaagtaaaa 240
 ccatcaccat ttaccaaaaca ccgtgccgca gtattagcaa tggccggttg cgctggtttg 300
 agcaaggcag agatttgga ggaatcttgg tgtaacttga atatttgcaa actacctttt 360
 aatgcagctg cgcgctacct gtttattctg gaactgttga gcaccagggc ctgccgagtt 420
 gcttctcacc tcctcagttg tatccaagtt gtactgcata ttagttttact 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
 ttcccgtcgc catgaagtgg atgtttaagg aggaccactc tctggaacac agatgcgtgg 60
 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
 ttctgaggcc cttgctgggc taggtgcgcc cttcctgctt gtgtctcttg taaataactg 420

gctgtttctca 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 cggccgggga 120
 ggcgcggggc gcgggcccag cggagactag gccagagctg aacgttttag aagttccaga 180
 ggagagtcgg atgccgcgtc cccttcgcag tgacaagact tccctactgt gtttgtgagc 240
 ccctccttcc caccaaccag ccagcttcag gagccccccc cctccccccg ccgcgtccca 300
 gagactccct ctcccaggct ggcttcgtct tgggcgtagc caagtccgtg cccttttttag 360
 ctcttcagtc taacgtggtc tccttttgcc ttttctcccc accctcgtcc caaaccccat 420
 actcccaaaa atgtcctttt gcttcacgcc cacctgtcca cgcgccagc atgcagctct 480
 gcctccgcag cctcgggtgcg 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 cagagcgct 120
 ctcgggatag atgcactttc tacagcgtgg gtgcacgtca gccgtttctg ctgaatgtgc 180
 cttgtgaaga agagttttcc t 201

<210> 250
 <211> 528
 <212> DNA
 <213> Mus musculus

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<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<400> 250
ttgagcccca gaccctaaag actgttcgga cagctgagct ttcacctttc attgtgttca      60
tcgcacctac tgaccagggc actcagactg aagccctgca gcagctgcag aaggactctg      120
aggccatccg tagtcagtat gctcattact ttgacctctc tttggtgaat aatagtgttg      180
atgaaactct taagaaattg caagaagcct ttgaccaggc ttgcagttct ccacagtggg      240
tgccctgtctc ctgggttttac taagctttaca gaattggcaa acatgtttca gccagcattt      300
ggaatgccac ctccccgcac cccctccctt gcttaagcca aaagggttgc ttcaactttt      360
agctctgctg ttttcttact caggctccta aaggggtgaa gctttcctac tatctacatt      420
tcaaaatgat ctctggaaaa ttgccataag aataaccaa tgcaatgcta ctncatagat      480
aaaccaactg tccccctgaa gcctgagctc ctttgctttc aactatag                    528

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<210> 251
<211> 538
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (398)..(401)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (511)..(511)
<223> n is a, c, g, or t

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<400> 251
gaaggagagc ttgtccctta tgcaccaggc aagatggcct gctttcagca ctgggccgca      60
catctctgtt agcgctgact ctacgccggg ttagaaatgc aggacggctg agttttctgc      120

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cccgcatcttc agctccttta tgtgccctac agtagaggat ttcccctgtc tgagctttgt 180
ggcatttagc ttcaagcttt tgttattact cttttgcggc accagagatg gaactttggc 240
ctccttttacg ctgggaaagg atcccaccac tgagctacaa cccagccctt ctagcccca 300
cagctgtctg aagtacttat tattttaaga gatttcccag gacttttgaa cccgacttaa 360
gacaacgacg gttatttttag atgctatgat ttatatnnn natagagata tttctagact 420
attaaagctc nccctttgat actggaatna ggggcatctt gggatttatt gttatgtaag 480
aagatagcat agattttggg atagtattat ntcagacgtt gcttactctg atcttcat 538

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<210> 252
<211> 430
<212> DNA
<213> Mus musculus

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

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<400> 252
gcatcagtc ttactgtgag gctaacta ggttctttaa gaagctttag cggagactgc 60
ctggaaatac acttgctggg catccctctt ggccagcctg tggttacctt caccctgcgc 120
actgacatca gtgaaggaac ctggaaaggc tgctgcngtc tccagtgaat cccgagacca 180
tccacatgta ttagtgacac ttaaaactaa ctcaagggtc tactacttta gtctggtgcc 240
ttttctctat aacatgttta tatcatgctt cttttctct ataacatgct tcagaaaatt 300
tgtaatcttg tagttgctgg tcagagactg aatgtaagaa aatcattgca gtttctatat 360
aggctacctt gttggaaatt tataattctc agtttgatta tccaccttgc tttctggact 420
tggttctgaa 430

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<210> 253
<211> 500
<212> DNA
<213> Mus musculus

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<400> 253
tataggctta gctgtgtctg agacctggc agctttctcc tagaaciaag cacagtgtca 60
gtcatgtgct tcaattctgt ggcattcttg gacttttagta cgtcagcata gtacatttag 120
aatgattgcc tttgatagtt atttttttaa gttttctctg tgtgagtgtg taaaattcca 180
attaatcaac actgttttca ttccacaaaa gcattacaca gttgtgtgta ggttgcaaga 240

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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
 agttatgcgg gtttgccaat ccatttcctt tttgganctt ctgcacattt acattggcat 60
 tgagtcgaat cagcttttcc cacgggtttt gcagctcaca gagagagtga tcattctctt 120
 tgggggtgatc accagtcaag aggaggtcca agagaaatgt gtagtgtgtg ttttattcat 180
 cttttggaat ctactggata tggtaaggta cacttacagc atgctgtcag tcatagggac 240
 atcttatgct gccttgacat ggctcagtca aacactctgg atgccaattt accctctgtg 300
 tgttcttgct gaagcattca ccatctatca gtcactgcct tattttgagt catttggtac 360
 aaactccacc gtgcttccgt tcgacctatc tacctgtttc ctttatgtgc tgaagctgta 420
 cctcatgatg ctcttcatag gtatgtatct 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

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gtgacaaaaa ggaccagccc ttagagagaa tttatggtca caggctagcc atagtaactg 120
acaagattag tggaggaaat atttggggac cagcatgcac tgtgccatcc tgataggctt 180
ccccaggtaa ctatcgatta gatgtgacct tgggtgttcat ggactagagt tgtgcaatta 240
atTTTTtctt ggctttggta actaccctgt tctagtcaca gtccttcaca ctaggaaagg 300
aaagagagaa gaaatagtca ctctTTTTtt ctttctttct tttttccttg gtcaccttcc 360
cgtggcctta agctctggag ccaagggaaa ctgcatggag gtacatttca gttgggaatg 420
aaatccacat ctttcaacca gacaaatatt tatagcgatg ttgatgaatc actgttttta 480
gacaccttca ttttgag 497

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<210> 256
<211> 483
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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<400> 256
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tgcgtttccc agtgggctgt gggagaggct ggccccaatg ggcttcctgt ttcttcatct 120
ctttcacatc agtttgtggt ttgtgaacct ggggaaatta caggcagttt caatgaaaga 180
aaacaagggg ttttgtgggg gttttgcctc aaaagtattg gagtacacta ggctttaaaa 240
tactgcaggc attctgaggg actaagtttg ctttccacg actctcagac ttcaccctcc 300
tgtgccccgt ggggaaactg aggcaagcca gatgtgacct caacgcctgc agccctccct 360
cactcctntg gtgtttgaag gcttccctgc ccctgtgcag gccctgatta ggtgtgctag 420
agtctgggcc tcggaagggg ccacacatga cccacacggg cccctgcact gccagaaaat 480
gtg 483

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<210> 257
<211> 325
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature

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<222> (160)..(160)

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

<400> 257

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agtttcatat gtagccattc ctcctgacag taacaaattht tcagtgttat tagcaaagat      60
agtatcagct ccagtttctaa acaccattgc ttctgatgct gttctggctt gaccactgtc      120
acatcttaac taattctgat acattaaagt ttcatgttcn aagttgaatt taaagcttta      180
aaccctagta attacatgag atctattgaa ttcttttaaac ccaggatcta agttttaata      240
tgatctaact tattatgaaa ttacatgcc atattatata aaagcttttt tcttattttt      300
aatgctactt agataatgct tttag                                           325
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<210> 258

<211> 503

<212> DNA

<213> Mus musculus

<400> 258

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catccatgcg aggtttttgc agcaaacggt caacattcca cgaacaaaca ttatacctct      60
tctggcagtt ttattaagtg tggagaactt gccaatthtt tagaaacact gcagttthtt      120
ccaacctthtt ctgccaatct ctaaccctga actcagtgcg gctttgggct gacatccatg      180
actggtgtgg gccaccagga gtaagacagt agtgthttga taccatccac tthttcagaa      240
gacataactt cgctacatgc ctttgcccca gthtttctcc agggctctct tccacagtcg      300
gggaggatcc tgtccggatt atgatagtat tattggggtg cccatctgcc atgagcttht      360
tgaatcatgg cgaattgtat ttgccacttt ggtgcccaac ggttcaagtc attgtgggta      420
agccacttaa cthttattgta tgagthttgat attcatttht attgtgggac tagacacata      480
aactcacatt tctgcctthtt cct                                           503
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<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

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tgctttgttg gttaatctth cttggntgth taagagaaat gaagtcacct tgcctthtaga      60
tcagatgcta ttataacctg tctgtctagg aacaagctgt cagactaaag atatggthta      120
```

```

ttcattgaaa ttctggacag ctgtacgttt aaaagaaagt ttatTTtgta tgtgtgtcta 180
ggctctgatt tttggtaaAT tgtaaaggaa caactgaaga actgggttgct ggggatgtct 240
tcagtagtca ggagtaccca aggataacac cagccacacc gctgtatatg catgattctg 300
aacagttagc cgctgttt 318

```

```

<210> 260
<211> 429
<212> DNA
<213> Mus musculus

```

```

<400> 260
tacttgtatc tgaagtccat actgaaatta gcacagacag aaagttagac ttttcaatat 60
atcatttggtt aagtacatat tactttgcag tgtaatttta tgtgtaattt catgtattgg 120
caaaattaaa aggacttttc actccagaac ctttcattct gaagtttgag gtgagtgggg 180
tcataggtca gttaggaaaag ggccagttcc ccagatgtta aaccgttctc atgcagaggc 240
cttaatatTTt tatatataag tgaatttact ttttaagattt ttctattggt ttttggaaaag 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 ttggagggtg 180
tcaactcaat ttacagaag acattataaa caagccatcg tgagaagact tccccaggg 240
gtacacctgg gtcaggcact gtccattttg aggaaagact ctttcttatt tataaaacag 300
tcttgctcct ggaacttttc ctttttccca 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 aggtaggggtt ctactgttat 60
 gttgtcttgt aatggatgtc tctacctcct ccttcaatct ctatcctacc attagtggat 120
 ttcacagcaa atagagaaga agccagagcc ctaaggtctt tntttttctt aattgtataa 180
 gagtacaagt atctgtctct ggccccatta gcaaggtaag actaattcag gggctctgaga 240
 ctctaacgct gttctgtctt gatgatcaga gagcaaatac agaaaattac agtggggaagg 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
 agactcttgt gtaaaccctt tcgtgtgagt tgccatcttg ttcgtttaga actttgaaac 60
 agtagttaca gacatctgca gcccgggatt cctctcagca ccgggcctgt ggagcggaac 120
 atgccattct gacacttgcc agtatgcata tgctttctgg ttcctaaacg aaattgctaa 180
 atatttttta atatttttat caccagtttt ttgagccatg gttttgctgt atactacagg 240

ccagccttga acgcacaatc ctctgtcttc aaccttntga 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 taaccctggt 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 ctttttctg ctttgctagg catttgatgg aacttaaagc cttgtcaaac 60
atttcttaag tattatagca ggcattgaga gttatcgttt ctctgtctta ttgaaaggga 120
accctcgtta caggccctga tgaacttcgt attaatatgt cgctgtata aattgtacct 180
gttaggttgc tgagctgatg ttagagtatt taattctcca gcctaaggag tgcagcaggt 240
gctcgtggga gtggtctgtg cct 263

<210> 266
<211> 95
<212> DNA
<213> Mus musculus

<400> 266
gcacaatgtc tgctgtttac aatcaagacg actacatggt ccaaacattt cttctctctt 60
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 gcccttgga ttgcatcagg gaacggctga tcaaggcatt 60
 cagtgtccat gactaaatct tatctttttg atagcaaata cttttaagaa actgaacaat 120
 tgctaaggct cagcaatttt atactccaat gtctgtgtga ggtaaatttt gtttgccatt 180
 gagccacat tggaattcct tctgacgtca aactgacaa 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
 aactcaggca aagcatgtct tcaaaactat gtagggagct gatatacatg ggtacttatt 60
 aaaatggaca gtaacaagta aatattctta ttatacaact acctgattta tgtgaaatgc 120
 atttgacaag ccaaaaatct gggatgaaga aatctgaggg gaataaaatc ataccctggg 180
 attcacttcc caaggatat atatttttta agttaatttg ggaaattaac agcatttcac 240
 ttactgcaa gtctttgcca catccgacct atccaagctg ttgtttatac atttgaagcc 300
 actgttgttg gctgtgtgac agtgcgtgtg ttattgaagc acaactgggt ttgcactaaa 360
 gaatcatcat tgtaataaca ctatttgga 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
 gggctacaac tttagaggacc tgacagatag aaacatagta caggaagatc atcctattat 60
 gtcattttact atttccaaaa atggccgatt agctttgtta aatgtagcaa ctccaggaggt 120
 tcattttatgg gacttgcaag acagagtttt agtaaggaaa tatcaagggtg ttacccaagg 180
 gttttataca atccactcgt gttttggagg ccataatgaa gacttcattg ctagtggcag 240
 cgaagatcac aaggttttaca tctggcacia acgtagttaa ctgccaattg cggagctcac 300
 agggcacacg cgcacnagta aattgtgtta gctggaaccc acagatt 347

<210> 270
 <211> 264
 <212> DNA
 <213> Mus musculus

<400> 270
 gtcattttga agaccctata tctaacataa gcctgattga tgttcattgt gttttcaact 60
 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
 agttttgtat ccagctgcac ctagaccgcg ctgttcactg cttctgaagt acatttaaaa 60
 aactggggag gtaagagcgt gccccgaagg tgagggccat gaccagaaca taactcctgt 120
 tagagtggag ttacaactat gcaaagggtg tgatagtagc taggtgagtt cggttttcaa 180

gtctgtcttta actggccgct ccctctctag actggtactt gactgtgccca atttgctgta 240
 agcatctgtt tcgtatatatt 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
 gaatttgcac ttacacttag acactttcta aaaacagggt gaaattaacc taaactttgc 60
 agtggtgagt tattgttata gtcgctgccc tagagttgca aaaacaagct gtaaaagccc 120
 atcccctatc tacttaatcc agattgcctg gatttaatga agttaaaaga gtgtgtgtgt 180
 gtgtgttntg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tnngnntgng 240
 ngnnnnanan annnnnnnnt tcctaaaata ttctagaaac aacnttntag gttgtcattt 300
 ttactgaatg tcttgtgcac atgtaaagta ccctctcttg agtttaaggc ttgggtaata 360
 cttgtctatt ttataaaaac 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
 gtattttcca tccaacagca gttttagag agaattttat gcatatgctg gtaatttttt 60
 ccctgtgntt tacatcttga gacagaagag ttgacagcta catgggtgggc tatgtgaggg 120
 aaaaaaattg gggtccttag agtgaaaagg agtgttttgt gtatattttg agtggagaat 180
 atgtcaagag catgggttttt aaattttatt gggctttatt taaaattttc tttttaaccc 240

```

agttattttca ctttaatttgc tagcttcaag aagagatccg aatctgtgcc cagcgctgga    300
ggctcagtgt tagcatggct tgtgctggcc agtgtgccat attcttggtg gagaggaact    360
gtagcaccag aaccattct tccttgtcag tcttgacca cagatgtcac caccctagt    420
tccttgtcac catggacttg g                                          441

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<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
aagataaatt gtgggcttgg tgagcattct gttatTTTTT cctgtcttgg attttanagg    60
gttttggttg tttttgtttt gtttttttct 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

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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```

<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

```

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<220>
<221> misc_feature
<222> (124)..(124)

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<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

atcttctctt ttttaagacca tttggnaaag caaagtgttn cagttgtccc cagggaaaca 60

gaagtgaat tcagcctgga tcttttacia tatcagcata attantcatt ttaggaaaaan 120

aaantcatgt ttttaatttc aaaatgacac tgtctagtaa tgtaatgtga tcttgaaaaa 180

ttttaaaaga aaaataatcc tacttttttna taattgtttt cagaaaaaaaa gtttacantc 240

ttaaggaaaa atattcaggt ctatcatatg gtttgacaga ttttttaaa 289

<210> 276

<211> 281

<212> DNA

<213> Mus musculus

<400> 276

catctccagg gtcagagact tggcaggact ttccccaag tgactcaggc acaccacagt 60

aacagtccca actgcagttt tatttttact tcagaagtag atttccttca aaccacatga 120

gatctctgcc acccaccac aatcaagccc tatattccca aggaggctga ctccgggggc 180

ccttcccccc aggccagcaa tgtattccgg ggatgtattc tgggggtctga 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

aagttctcgc tctacttctt agcttangag gataagaacg atatcccaa ggacaagtcc 60

gagaagacag catggacgtt ttccagaaaa gccacccttg agctcagca caactggggc 120

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actgaagatg acgagactca gagttaccac aacggcaact cggaccctcg tggatttggt 180
cacattggga ttgccgttcc tgatgtctac agtgcctgta agagatttga agaactaggt 240
gtcaagtttg tgaagaagcc tgatgacggg aaaatgaaag gactggcggtt cattcaagac 300
cctgacggct actggattga gattctga 328

```

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<210> 278
<211> 476
<212> DNA
<213> Mus musculus

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```

<400> 278
gaatctgtgc gcctactcaa gggagaggag ggtcaagccc tgaggcgggc acaccagcgc 60
aatgtcaaac acatgcgcca gctgctaata gacaggggct ttctgtttat cccctgtccc 120
agccacatca tccccatcag ggtgggtaat gcagcactca acagcaagat ctgtgatctt 180
ctgctctcca agcacagcat ctatgtgcag gccatcaact acccaactgt gcctcgtggg 240
gaggagctac tgcgcttggc cccctcccc ccaccacagc cctcagatga tggaaaactt 300
tgtggagaag ctgctgctgg cctggactga ggtggggctg cccctccaag atgtgtctgt 360
ggctgcatgc aacttctgtc atcgtcctgt gcactttgaa cttatgagcg agtgggagcg 420
atcctacttt gggaacatgg gacccaata tgttaccacc tatgcttaag gagcca 476

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<210> 279
<211> 436
<212> DNA
<213> Mus musculus

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

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```

<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 aggccgccc 240
gctcatcgag atgtaccgag acctcttcca gcaggggccc tgaaagggtgt cctcactgcc 300
aaatgtgttc cttgaagaac cactaactcg tgactgctgg tcctcgtccc ttngcccccg 360
tgctcttaat ttctaattg tctgtagaat ggaattttac cttctgtagt ggacaccggg 420

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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 gaacccaag agtgatgaga 120
 tgaatgtgaa ggtgctggac tttagact tcctgccat 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
 tgctgtcct tcacagatag gacgtgggag ctcatgttga gatatttacc attcctccag 60
 ccattttggg aaaaaanaaa attatgaact gggattcttc agaaattatg ttttgTTTTT 120
 tcttgaagaa aatatcccc cttaccccc gtccttactt tgtaacctgg ctgataacgg 180
 gccatccatt tttgtagcac acttttcaga aacaattata acctgggtccc atctttctag 240
 gacaaacaaa gccacgcctt gatgtagccc ggctaatacat ggaagtacgt ccaggcttca 300
 aataacttga gtttaaattc tttttttttt ttttcttggc agagtaattgt aaaattaaaa 360
 tggggaagat atttaattatt taataactaag ctttaaaaag aaacctgcta tcaactgctat 420
 gt 422

<210> 282

<211> 296
 <212> DNA
 <213> Mus musculus

<400> 282
 gcaccactgc ctagtataga ctatgagagt ctccagtgtt gaggcatacc ctagaactta 60
 gtttttagtaa cactaccttg ttggtgctag agaatcattc agttactgct cgctggagag 120
 aaaccagggga aggcggcatg tgattgtgct ctgagagctg agggctcagg caggtagatc 180
 actgctccct acgcagcaaa cctgcatagt tgactagttt cagggaatcg gacagtgcctt 240
 ccagaacaat tcttgagtgt aacctcccct cctcggcctg aaatctggct gatcag 296

<210> 283
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 283
 acattcttct gcagggtgtc tcagggtgacc catcccctgc ccgccgggaa ggtgtgaaga 60
 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 ctggggccct 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


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tgcacctcgg ccttcctact atgggacccg accaaggntg cccccacgcc tgcaggacgt 180
gaccgatgac cacatccgga tgcataagat tctgcaagag tcaggggtga 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

```

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

```

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<400> 285
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ggttgcatag gcacacacca ggacacttag tcaactccaga gtccccagtt gcaactagga 120
ggtggttacc ctgttaaccc caggaagaag aaccccattht caaacagttc cggccattga 180
gagcctgctt ttgtggttgc tcatccgtca tcatccgcta gaggggctta gccaggccag 240
cacagtactg gctgtcctat tctgcattag tatgcaggaa tttactagtt gagatggttt 300
gttttaggat aggagatgaa attgcctctc ggtgacagga atggccaagc ctgctttgtg 360
tttttttttn aactgatgga tgggtgcagca tgtctccacg tttccatggt tgtttgttgc 420
ta 422

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<210> 286
<211> 180
<212> DNA
<213> Mus musculus

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cagtgccac ctctttgcat cggttccctc cattatcaac tacagctgaa actggcatcc 120
tccacagtgt gcacactggc tctgcctttg tccttgcaag ttgatattcg gcattagcat 180

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<210> 287

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<211> 369
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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> (285)..(285)
 <223> n is a, c, g, or t

<220>
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 <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 ggtagttgg 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

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

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

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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> (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 accacttttg 480
 ggggtggggg gaggttgaga ggaaaatatt gctcgttcta actgt 525

<210> 289
 <211> 315
 <212> DNA
 <213> Mus musculus

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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> 289
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 ttttacacag ttgtttccag tggcatagac atgtctgcaa tcctgcttaa acttggcttt 180
 aaagagtccc tgggtgcagtc caaaatggca gcaggcacca gcacnttcgt ggtggcctat 240
 gccatncata agctgtttgc tcccgttcgg atcagcatca ccttgggtctc tgtgcccttt 300
 gtcgtcagat acttc 315

<210> 290
 <211> 505
 <212> DNA
 <213> Mus musculus

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 aaaaggtaaa cgtcaagggt ttcacatca ttgctgtatt ctttatttgc tttgttcctt 180
 tccactttgc acggattccc tacaccctga gccaaactcg ggccgtcttt gactgcagtg 240
 ctgagaacac cctgtttctac 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

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 ccagcagtg cagagctgtca ccaacactcg tgtctctatt ttactgttgc aatattaggt 120

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gaatatggag gtaaagggcat tccacagact cagcatctta aatgggattc gggtcctgtt 180
ttctaaaaca gcagtgtaga tgttcttaat ttgaatctat ttattagtga gcatttcact 240
tgtctccgc agccagtgtg gtactcattt cttcttaaa 279

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<210> 292
<211> 394
<212> DNA
<213> Mus musculus

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<400> 292
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gtgttctttt tgtcctggaa ctctgtagac caggctggcc ttgaactcag aagcctgtct 180
gcctttgctt cccgagtgtt gggattaaag gcgtgcgcca caagacctgg ccagtgttaa 240
gctttttagt aactatttac tgcagactta ggggaatccc aatagagcct tctgcttggg 300
acagaagggt aattttctcg ggggatgaaa atagtgtatg aactcaaact agatgtttgg 360
tttggctgga ttgggctgta tggaggttct gttt 394

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<210> 293
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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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gttgtacctg atgcttagta tttttttttt ttatctaact cttacaaaac actcctccaa 180
ttaaanctca tattaaaaaa aattttttta atctgttctt atttagaaat ctatggtttg 240
tagccaagtg tagtggaaca cacatttaat cccagcactt ggtagacaga ggctggcaga 300
tctctgggtt tgaggccagc ctgggtcaaca tagcgagttc caggacagca gagctatatg 360
gagaaaccct gtctcaaaaa gcaaacaaaa gaaaaatcta tggcttagta cagaccccat 420
ccattagagt aataccacac agcctaagga caccacagct tctaggtgat ttcattcctt 480

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acctctaaaa aggcttcttg acacctctga gc 512

<210> 294
 <211> 373
 <212> DNA
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 <222> (50)..(50)
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 <223> n is a, c, g, or t

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 agggctcaga ggtagtagac agaccagagt cagatggcaa tgcagctggc atttggaag 180
 atggaggctg cctgactttt catgcacagc tatgatgctt ctcaggcccg tagccacagc 240
 cagcagagcc tgctctgtga tcccgtgtga acatattttc aagggttttn ttttgacat 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 tgggtgcctc a 91

<210> 296
 <211> 244
 <212> DNA
 <213> Mus musculus

<400> 296
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 cagctgagcc agtccccaat gtgaccactg taaccactgc catgcctgag ccagaagac 120
 agaacgacgc gctggaagac accagaaggc cacacaataa agagctcttt ccttcacgt 180

gatctgagtg tcggcaccag tgggcaggct cttgctctgc agattaacac gcagtctccg 240

tggg 244

<210> 297
 <211> 320
 <212> DNA
 <213> Mus musculus

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 <222> (272)..(273)
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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 agaagatata tctggacgag aaggccttcc gttggctgca 180

caacgaagac caaatggccg tggagaagct ctccgacggc atccgcaa at ttgctgctga 240

tgccataaag ttggagcgga tgctcacgga anngaattgt cagcgctgag aanngggaag 300

tagtgcaaca cccgaggccc 320

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<211> 364
<212> DNA
<213> Mus musculus

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 ctctngtaaa antgtttngg aaccgtgggc cctaaattct ngcgtgccgg actaagccat 180
 ancannnnnn ccnnnnnnnn nccnnnnnnn nntctnnnnc nnnncnnnnc cccnnagcna 240
 agtgggggttt tcttttnnaac ttggcagagg agtggcacca ccaccacccc gcatcccctg 300
 caccagaact cagtgtttnt acagtgtgaag aatcggggaat ctggcagaaa tggcaataaa 360
 agtt 364

<210> 299
 <211> 111
 <212> DNA

<213> Mus musculus

<400> 299

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cagccctgca ggagtccagt tggcacaatt ccacctccag agaggctggg a 111

<210> 300

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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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cagccctgca ggagtccagt tggcacaatt ccacctccag agaggctggg agtgcagcgg 120

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gcagagcagc nggagcctag ggaacctagg ggtcggatcg ggaccgcagg gcacatgggg 180
gataggagtg aaggggggtat gtttaccaaa tgcttgcccta gccgcactcc caggtagtca 240
gagtgaagcta tctcctgctc ctncctcgt ctccatggaa ancaaggctg caagggcaag 300
gggtataaca gcagccaaat tcctcctcac ccgctctngt aaaantgttt nggaaccgtg 360
gtccctaaat tctngcgtgc cggactaagc catancannn nnnccnnnn nnnccnnnn 420
nnnnntctnn nnnnnnnnn nnnccnnag cnaagtgggg ttttctttnn aacttggcag 480
aggagtggca ccaccacca cccgcatccc ctgcaccaga actcagtgtt tntacagtgt 540
aagaatcggg aatctggcag aaa 563

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<210> 301
<211> 459
<212> DNA
<213> Mus musculus

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

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

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ctgacaaggc catagtgaag aaagaactgc tgtgccatgt ggccgggaag gacaagtacc 180
angtcaataa caaacatgac gaggagtaca cccactgcc tctngagcaa gatcatccag 240

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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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<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
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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<223> n is a, c, g, or t
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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> (323)..(324)
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<220>
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 <222> (347)..(347)
 <223> n is a, c, g, or t

<400> 302
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 tggctctggg taaaagcctg taagcctcaa gagctaattc tgtacatggc tcctttgacc 120
 tacacactgg ggatttgacc tctatctcca ctctcattaa tatgggntgg ccctannttt 180
 gctcttinnat taaaangaaa angggggaga tnttgggagc cgccccaca ttcgccgtta 240
 caagatggcg ctgacatcct gtgttctaag tggtaaacaa ataatctgcg catgtgccaa 300
 gggatatctta tgactanctt ntnntctgcc ttccccgtga cgtcaantcg gccgatgggc 360
 tgcagccaat caaggagtga cacgtccgag gcgaaggaga atgctcctta agaggggacgg 420
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<210> 303
 <211> 554
 <212> DNA
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 <223> n is a, c, g, or t

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 tgattctatg ggttagctaa gtcctttga gcagctcctc tgatgtggcc tggctcctgct 180
 catgagccca tagtcaattg tcacctcagc tggggctggt tgggctgggg tcaccttcac 240
 cattgtggca agtgttggct gcattggcnt tggttactct tgtngcctct ctcaaaggctc 300
 agttcaggag aattctcaag atggcctcag gnttccaaga gagagtagnt agtgangagg 360
 gcntggagcn ggagactcag ctgtnaagag cacctacatg gtgattcaca aactgtcat 420
 ccctgttcca gatgacctga tgccctcttc taggctctgt gggcacagac aaacacattc 480
 gagcaagcac ccaaattgct ttcttttggc tttttgagac accgggataa tactgggtgta 540
 aactggctg tcct 554

<210> 304
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 304
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 gatcagggac atctctatcc tgtctcaggt gctgaggaca cactatgggg atgaatctcc 180
 taagactttc ctgagagacg tactgagctt cccaaggcct tccccccagc actggccaat 240
 ggtctctgag ggacacactg tcctcagaca gcctctgggt accaccttta gtggtatctg 300
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 cttgcnatgg ttggagcgt gaccacttaa ccctgggtnc cagcaggctc acancncncn 420
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 agctgtaaca actctccagg tgtgac 506

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 atccttggtg tctgagatca ttctataaac gaactgacat tttatttgca aaactcaagc 180
 tagtaattca gtagacttga agatgatttt agagcctctt atgcttcaaa caacagaatg 240
 aaatccatcc aatgttcttc aaagtgtggt tctctgatta agtcaaagca aactgtttg 300
 gcaatgctgc tgtaaagttg cctggaatac tcagaggaac ttgtcccagg gaggtttttt 360
 tcacttcttc aaagaacttt tgaatttaag ttctctgttt attcccttga gcaaaactct 420
 ggaacctcaa gagtctctct ccgttggttc tgaggccatt ttatagccta ggcctcctgt 480
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ccagtaacat agacacagat agntcctgag actttgctcc ctanccttcc canccaggca 120

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cacgcacagt gatacacata tacatgcata cnaaaaaaaaa acttatngta acaaagaaca 240
ccaactgcct ggctcaaaac tntcatgtcc cattactctg tacctttctg tatttagata 300
atttacagtg tgagttntgc tgttccatgt atcctatttg tgttactaac ttatgtcaaa 360
gtattttctaa ttataatcaa caaaagctaa nnnnnnantt tttatgtaag aaggaactta 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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 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 tgagagggcat gggtgaaagc gttagtaact gggttttcaa caaactggaa 420
 cccatccagt ggaagcttcc cttcttaata a 451

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 <211> 441
 <212> DNA
 <213> Mus musculus

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 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
 acacataatc tttctggacc gaggaaaccg ggaacggcgt gaaatcagtt tagcccattg 420
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 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
 canccctnnnc cccacccctt aggggttgag cagcagagac ctcatctttt acctgtgtgg 420
 ttgtccag 428

<210> 311
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 <212> DNA
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 tgtgagtga cccctcatcg aactttttaa aagttttagt gttggtaaatt tcgctcactg 180
 aaaccatcgg gagcctttta tgtaatctct ttcctgaata attctt 226

<210> 312
 <211> 243
 <212> DNA
 <213> Mus musculus

<400> 312
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gacccccagg aagttctgga catgaggaac aagattcgag agcaaaaccg acaagacata 180
aagtcagccg ggcctcagtc tcagctcttg gccagtgtca tcgcagagaa gagccggagt 240
ccg 243

<210> 313
<211> 254
<212> DNA
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<400> 313
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tgtcatcttt ggtcacagag cacatggagt ctcatggcac ccagttcctg aaaggctgtg 180
tcccctccca catcaaaaaa ctcccaacta accagctgca ggtcacttgg gaggatcatg 240
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<210> 314
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gcattatttc tttccctgtt ctcttttttt tttttttnnn nnaaggggta gcattaacaa 180
atgtcaagga gtagcaaagt caacaaagat tttagaagga ggaggaacta agagcataca 240
cagacttatg attctttgga tgtgacactt attggatgtg attctaaagt cttttattga 300
acattgtcaa attcgtacgc ttcataggat ggacataatg tttatataat gcccttctta 360
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<210> 315
<211> 225
<212> DNA
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tcttgcttgc catttctgca ctgtactgac tcggccagag gtcccttctc acgtgtcccc      180
ctccttccgc ccgagttgca gtttttaatg gaggcacttt ggaga                      225

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<210> 316
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agctggagcg agagntggag cggctgagca gtgaaaggga gcggcttctc agagcccgag      180
gggaggctga ccgcactctg gaggtcatgc gccaacagct ggcagagctg taccatgata      240
ttttccagca tcttcgggat gaatctggca acagttactc accagaggaa tatgtactgc      300
aacaggctgc tgatggtgcc atctttctgg taccctgtgg aacaaaaatg gaggctacag      360
attgagctgg tctagagagt ggacactggt gctagagact ccctcattcc cttctgatga      420
aggcattctt taatcccaca agatctcaga ntctccaga ccaaaaggca gatgtaacca      480
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tcaacccac ctcttgcca agctttggtt cat                                  573

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<210> 317
<211> 537
<212> DNA
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 aagcacgacg atctccccgc tgcttctcat cccctgattg ctggagacag agaaggacgc 180
 tcaccagatc aatagagacg catcataacg caacgccgcg aaggcttctg ctctctttca 240
 agctgtagat gctgtcaatc ttgctgccct cggggctctg tggcatccgt taactttgct 300
 tttccgggaa gaaaaatgtc ttgtgctagc tccaccctc gaatgcggcg gtggcccagg 360
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 tgtaatcaga cacgtgtttt cctaaaataa agggatataga caaaatttaa gcccatggct 480
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 catcctatga gactaattga gccagggctt ctcgtctgac ttcaagtga ccatcngttt 180
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 atggtgcagt ctaagaataa caacaataac aaaaccccct tctgtnctca gatagtactg 180
 aactgagtgc tcttgggtga ttctt 205

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 <212> DNA
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 gcctacagtg ctgcttcatt actcgtaggt gaagaattca agaccacaaa gccctcctc 240
 atttacccca tctttttatt gtacatttat tttttgtcct tatatactgg agtgtgatcc 300
 aagttgtaca tgaatcaaaa agatggtggt acatttgtat tacgctggga attcttgctg 360
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 tcattgtgct ctgaaatact tctatgcctt ctgaataagt taaactatatt catttgTTTT 240
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gacacacaca cacacagaca cagcagcga cgcacatntg gagagggcat agttctccag 180

agcgtcaagg tttccttgaa gttttcaaaa gctgctgtca caatttcatt ccgaggccat 240

cttgcccctc ccccttcaact ctgccttctt gagttgnccc cactctgcac gggagggagg 300

gncccacnt tagactnnct ggggagagnc cacaggntg ggggccaggt ccgnccanct 360

gtncccatcn cctgggagaa gnccagctca ccaactgagc tctggactgg ggactaccnc 420

tgaccaggag ggaagcctgg anccncaccc gantcancca ntntgcntca cattctcct 480

gtacctagga ccggaggaaa gacgtgactg ctctaaccgg acctctgact accggtggct 540

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 caaccacatg atcaaagaca acggctggga ctgacctagc tcctgccgca tgtggcttca 180
 gcctggcctg gccgccaggg ggagccactg gtttcgctcc tcctgaaggg agctctggac 240
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 tgtgaccttg gggggagaca aagaggggga ttgtaccccc accccctgca cctccctgcg 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

<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> (345)..(345)
 <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> (424)..(424)
 <223> n is a, c, g, or t

<400> 324
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 ctgccgacgc ctgctccggg gcccagaagg ctgtggggta catctgcaaa tgcagcggtg 120
 gccggggagc catccgagag tttgcagagc acattttcct actgatagaa aaagttaata 180
 actcatgcca aaaatagaaa atgttgtagt gtgggggnaa gggagattga agccttttcc 240
 agccattttg cattgttttn gatcaagtcc cgaagtgtaa tctgcagggtg tgtgggtctga 300
 tccnntgagn ntagttntct tattctcaaa gctgagtttt ctccnantca tggttcctga 360
 acccatgaca taatcatgtc tgttttcctc ttgatgagag gtaattaccg agggattgac 420
 ctantcttgc tccgacctca taaacaatcc a 451

<210> 325
 <211> 194
 <212> DNA
 <213> Mus musculus

<400> 325
 gttccgtgac ctgaaatgga cctgttggga ccgcctgaag gtgcccgtg tgcagcctga 60
 aaggacactg aagtcactgc tggcccatct ccaggaagaa catggactga aggtggagat 120
 gcttctccac caccaggctc tgctctattc ttcaggatgg tcattctgaaa agcaggctca 180
 acacctgtgc ctca 194

<210> 326
 <211> 334
 <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> (193)..(193)

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

<400> 326

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aacgggaatt ggtttccaac tccagatggt tgtaagggtc cgtgcagaaa tactgatggt      180
ggacacnaan ncntcagcag ggacgtgtag tgtccagggtg tgactaccgg agttttgaca      240
agcagtataa tatacctgtg attttgtttt ttacattagg gataatgcat aagaaattaa      300
tctttatata tatcatgacc cctaattgttt ggga                                     334

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<210> 327

<211> 530

<212> DNA

<213> Mus musculus

<400> 327

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tttgtatggg agtgaaatca ttacagtttt atgggtataa atctacattt ttaaacaaga      120
tttttctctt ggagaagaaa cctgttgttt ataagaaggc tttggacagt ttaatagtct      180
taaagtgtct gctttgctgt tctagtcctt cttaggaagg ccagctggg cctgtggcta      240
gttcagaatg ggaggaaaca taggctggga caatgctcac cctgaactgc cagcgtgtgg      300
gaggccaagg caggaagagc agatgttcag ggccagcttg gacatcaaga ggctcaaac      360
cagtaggaaa aaaaacagag ccagtaaca ccctctttta tattcctttt gtggaatcat      420
gtagcatgtg agactgggtt ggaagggaac tggcatatgt ggtatttcag ttaaggtgat      480
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<210> 328

<211> 443

<212> DNA

<213> Mus musculus

<400> 328

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atgaagatTTT gggaaagaac agctatctga cacctggaag ggctcagcca gagtaacagt      120
tgtggcttga ctggtaacaa tatcatagtc taggagtga 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 attctcacia ggatcttttag ttttcacttt aataagatga      420
atatatgcca tgatgtcttc aaa                                         443

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<210> 329
<211> 226
<212> DNA
<213> Mus musculus

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

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cactgcaaac cttcagtga gggggtaggg tggacaaaat gctaattttt ttttttngat      120
gggatgggtt tttctctttg taattatttt aattaacttt ttggttgttt gtgcaatatt      180
atatatttta aattataatg catctcccca gagtattttg tagctg                      226

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<210> 330
<211> 323
<212> DNA
<213> Mus musculus

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<220>
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<222> (47)..(47)
<223> n is a, c, g, or t

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<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 ctctgcaga      240

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ggccctcctt cctgaagaca gtcagcctgg ggctcttacc ctgagacaat gagggccgca 300
tgaagatctg gtgctgcgcg gat 323

<210> 331
<211> 426
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
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<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
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ctaccttccc tctncagccc agtccccaat gttttgagac aaccaagac tcttctcttt 120
gcagggaaac atgttcatag ccaatgttaa agaaccacat aaaagagtcc tcattttctca 180
tttctttnga cattgtggtt ttnttctanc aagtaacgaa tctggcttgt tttattttca 240
tttttctggg tcccaaagag aacagcttta atgtcttttt cctgcttata gggaaagtat 300
aagtttggtt aaaatgtcat gtttggtgtc tttccaaaaa cttttataat tacagagggc 360
cttcttcaat actgctggtg ttggaagagc caacatctat cacaggcttt tattatctag 420
acatca 426

<210> 332
<211> 259
<212> DNA
<213> Mus musculus

<400> 332
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gctatccaga aaaccctca aattcaagta tactcacgcc acccaccgga gaatgggaag 120
 ccgaacatac tgaactgcta cgtaacacag ttccacccgc ctcacattga aatccaaatg 180
 ctgaagaacg ggaaaaaaat tcctaaagta gagatgtcag atatgtcctt cagcaaggac 240
 tggctcttct atatcctgg 259

<210> 333
 <211> 222
 <212> DNA
 <213> Mus musculus

<400> 333
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 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 caggggtgtgg 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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 <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> (424)..(424)
 <223> n is a, c, g, or t

<400> 335
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 gactcccg gggaagaaaa agggcaagaa catttgactt ctatgtttgc cccgggcata 120
 ctgtaccaac aggggtgtgga ggcccagag agggctactg tggcaaattg ggctgtgaga 180
 ccactggaca ggcatactgg aagccatcat catcatggga ctttatttcc ctttaagcgag 240
 gaaacacncc tcggaatcag ggcccctttn taatactctt attaataccta ctcttcggac 300
 ccntgtnttc tcaaccgcnt tgggtccagtt tgtaaaagac agaatttcgg tgggtgcnggn 360
 cctggttctg acccaacagt ntcaccaact caaatcaata ggtccagaag aagtgggaatc 420
 acnggaataa aagattttat tcagttttcca gaaagagggg ggaagtgaaa gacccaccca 480
 taaggcttag caagctagct gcagtaacgc catttgcaag ggcataaaaa 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>
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 <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 cacttgacaca 300
 aaatgtgccg ttgattacac ctgatcccggt 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

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<220>
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 <222> (111)..(111)
 <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> (379)..(379)
 <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> (402)..(402)
 <223> n is a, c, g, or t

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 <222> (411)..(411)
 <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> 337
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 tgactctatc tacacaggct cctctcttga tccaccatca agcgaacccc cagctccacc 180
 ctcacagccc cctctgcctc ctaaggctct gatgtcctcc aagtctgtga catatgccac 240
 agttgtcttc ccaggagggg acaaaggtaa aatagcctcc tgtgagccag ttcaggaccc 300
 accaaacagt caaactccac ccagtaaata agagtacact ttaattttatt actnttgga 360
 tcaccctgg ggaattctnt ncanccggc caactagctc tnccttttat ncccagagta 420
 tntcagcgcc tgggtgactca gggctccaat ctggtatctt ggtttggtgc a 471

<210> 338
 <211> 559
 <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> (42)..(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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 <222> (135)..(135)
 <223> n is a, c, g, or t

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 <222> (216)..(216)
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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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 <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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<220>
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 <222> (406)..(406)
 <223> n is a, c, g, or t

<220>
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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 gtgggggttg tgctgagggt ctgggttcgga agagcagggg 120
 caagctctcg ggctnaaggg tgggatccac gcgtggctcg aggacacaag ggaaaccggc 180
 tctttccctt gcggcacccc ctccctgcgc ccacangccc tttatttatg gcagaaagtg 240
 accagatcct gtgtatttgt tttatatatt taataactgt tttaaatgaa agtttttagta 300
 aaaaaaaant acnaaacnaa aagattcaac tnctaaagct nntngtnanc aggagctctt 360
 tgtatctgaa tgtagtgtga tttgaancct ctnttttggt tttttnaaag ggggggacga 420
 gggaagattt gacacggatt tattgtaatt gcttacnaaa gaactttatg aatcttttcc 480
 aantcgaatc attcagtgac atggcctggg gggcggttct tcttgtatta atgtggtttt 540
 ctggctttta atacagaca 559

<210> 339
 <211> 41
 <212> DNA
 <213> Mus musculus

<400> 339
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<210> 340
<211> 569
<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> (75)..(75)
<223> n is a, c, g, or t

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tctattttatt tatttactta tttattttatt tgtaccacc cttccctcac ttctgcccag 180
ctgggctcca gagagaggac cctgcccac ctccttttga agccaggact tattctttggt 240
tcatcatact ccagaccatg tatkctctgg tgtcctggct ggaagaaggg gcgtgtggcc 300
atgcagcccg ctctcccaag ctgtcccagc aaatgggcag gaggggcatg gcctctttta 360
tatatatata tctattttatt 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

<220>
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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

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<221> misc_feature

<222> (272)..(273)

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

<400> 341

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gtttatttttc atgcctagtt aaaaaacaaa caaacaaaca aacaaacnnn nctgaaatct 120

gagaaaagtg cggctaagaa acagctcagt ggtggagcat ttacctaa tgcacatggc 180

cctaagtggg ataccagac 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

<220>

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<222> (144)..(144)

<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> (436)..(436)

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

<220>

<221> misc_feature

<222> (438)..(438)

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

<400> 342

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ggttacttta aaattttcaa attgggcact gcctgtgttg cagcactact gtatctttgt 120

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tgagcgacct aacagtatTTT cccntgttTgt gaaagttaat tctgatgatg tttcacattc 180
accagctTTTt tttctgtact atttgcattcc ccaaatactt agtacaagta gaattgtgca 240
tggccttgggc 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 tgcattgcacc gtcc 524

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<210> 343
<211> 575
<212> DNA
<213> Mus musculus

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<220>
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<222> (97)..(97)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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

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

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<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

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<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 caaaccact      240
caccaaattct agcagtttct aagtatccca gttagagatg caccactacc aacacaaatg      300
aaagcgggaa ccaccancca tctgaagaga agtngttccc agcaccact tacgncctg      360
gacatctagc cctctgattg aggttggagt tctgggacac cctgagtagc tcactgacta      420
tcactacatt agttgaatgc acttgataca ttgtgncctc ctttctntca agagcacact      480
agatagcacc aagcactgcc caagtgtgac atactattcg aggtgaacag agtcataat      540
ggaagtgtaa ggtgtgccgc tgtgtaatat ttcta                                  575

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<210> 344
<211> 162
<212> DNA
<213> Mus musculus

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<400> 344
gttgtcctgt tcctcgaatt ccagctgaag ctaacccttt agcagaccac gtctctgcta      60
ccagaatttt gtgtggagcc cttgtctttc ctactattgc gacaatagtt ggtaaactga      120
tgttcagtag tgttaactca aatttacaaa ggacaatctt gg                                  162

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<210> 345
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<213> Mus musculus

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

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<400> 345
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actgacttct ggttgttctg aggcctctca tcctgacgag tctgttgtgt tctgattcca      120
tcattaatgc gctagtggag acttgtgacg ctgctcctat attctaagag atacaataaa      180
gcacgcaggg ccggggcaag ccgccagta atcacggacc taaggacacg cgtcagctnc      240
tgtcatttgt atgttctact tttatggcag tcggctaaac cattatttta      290

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<210> 346
 <211> 285
 <212> DNA
 <213> Mus musculus

<400> 346
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 tatcttgctc tctatccaga gcctgctagg agaaccaac atcgatagcc ctttgaacac 180
 acacgctgcg gaactctgga aaaacccac agcatttaag aaatacctgc aagaaaccta 240
 ttcaaagcag gtctccagcc aagatccctg atgcaagctg gccgc 285

<210> 347
 <211> 276
 <212> DNA
 <213> Mus musculus

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

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

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

<400> 347
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 tactctgtca tgggctatgc ntctacctg gtatggaagg aactcggagg gggcttccgg 120
 tggcccctag cactgcccct tgggtctctac tctttccagc tggcccctcag 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
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 gaggcattac ctcatcacg ccatgggtctg agcatgggtgg gacacagtga gaccaaataa 120
 ttactaggcc tggagggat 139

<210> 349
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 <212> DNA
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 aaacaaaaca acacagaata atcactcaga cgttgtatca attagacaac ttttactaaa 180
 tgagaaaact acatttaaaa tgtgctttta aaaaaanna annanaaaaa aaaagacata 240
 tgcattttta agaacttttg cactgtgctg aaaatcaa at gttacttgca gtaatataat 300
 gtgtcaatcc ataaaatgtt aacagagttc tcaatttaac actttcaagg acgctataag 360
 gtttcacaca tctatggtaa cacataagaa gggcattata taaacattat gtccatccta 420
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 cacatccaaa gaatcataag tctgtgtatg ctcttagttc ctc 523

<210> 350
 <211> 296
 <212> DNA
 <213> Mus musculus

<400> 350
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 gaatctggag gggtagaagc ccgccgtcct gacccgctct gggggcgcct ctgagcctct 120
 gcttcctcac cagccatcgc tggagaccca gctgtactgc ggacaggcag aggggggctc 180
 agaaggaccc tcaacatctg ggactctgaa gatcccccca gattcagaaa ccacactggt 240
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<210> 351
 <211> 229
 <212> DNA
 <213> Mus musculus

<400> 351
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 acttacaccc ggtctccaga cggcgacggc gttgggagcg gctacatcga agagaacgag 120
 gacgccagca agatggccga tctcctgtcg tacttccagc agcagctcac gttgcaggag 180
 tctgtgtcga aactctgtca gcctgagctt gagaccagtc agactcaca 229

<210> 352
 <211> 40
 <212> DNA
 <213> Mus musculus

<400> 352
 gtgacttaaa gtctggatcc tggtctcaca ttctacaggg 40

<210> 353
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 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
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 <223> n is a, c, g, or t

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 tgagctggac ctgatagcac accctattgg aaagaggcca gatttgactt cgcacattga 120
 tttgacatta caaagtgtta gaatatgctt ctttatccaa gctatttcta ggcagactga 180


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tacttgcttt tggatgaatta ggcagggcag tgaagtcagc tagtcataca aataaacaga 240
tgggtattgt aggctcagtt tccaagtga ggaatngcc tgagnttgaa caagtgaaac 300
ttntntcat tgactttnaa antggtttct gattagtaaa gcttatgctt agctttncac 360
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ggtgaac 427
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<210> 355
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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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acttggaagt tgtggttttc cagtttgtgt acactcacc 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 acttttagatt ttggttgcta tcttgccaa 519
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<212> DNA
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<223> n is a, c, g, or t

<400> 356

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tcagctgttg gcaggggacc atgagatttc ccaagtggca tttcatctc agttttaccc 120

tgactaaaga ttgtcttagg ggaatcccaa ccaaagtga atagtgggaa gaggggtctg 180

gcattccttc agggggcatg cagcagcccc gtactcgcca cctgccccan gggngcatga 240

gcagctccat nccntctac ccacccaag gnttgggttg aattagaaaa atgcctatit 300

ttcttgtatc gatgtagaaa ctctatititc tcccaaagac actatitititg cagctatitg 360

aagtttgtat atititccgta ttgcagagct t 391

<210> 357

<211> 361

<212> DNA

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

<400> 357

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cagctctgca cggaggactg gagcagaggt gccactcagt gccatgcctg agctccatga 120

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tgaatggttg gggttagctt tgaaataagt gctgttgaga tagccgcat ctaaactttc 180
tgttcacatt tgatagagtt gagcagctaa tgaacgcttc ctttttgctg tttggcnttt 240
gaacactttc tgttnaattc tgantctgac tttaanccct tccagaatnt ccttntnctn 300
tttttannng aattcattnc cnaanagata gggtncccta gttaaattcc gttgtgtgct 360
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 ggctacaggt gccttgctct tccagtccaa gatggcagtg ataatggcag tcctgcccag 180
 acctgcctgt tatctgnctc catccagcct cannttttat cccactgag gtgacaggag 240
 catctgcaca aaccaggcca gcgacaaggg cctctcccat ccggtggctc agcctctcca 300
 gtcagccttg gcttatagac tctctgcaag ggcagtctga ggggggaggc tggccngnna 360
 ncggngnct ncccccnac cccacaggcc cagaggttta caagtttcta agcttttgat 420
 aatgtgaagc tccaggtaga gaggatgcct gccggtgagc acattaca 468

<210> 359
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 <212> DNA
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 <223> n is a, c, g, or t

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 ctgtaaacc ctaggacggt 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
 aggttttagag ggctggccnt cgtgtaagtg gttaatagag agtgaaccct ggtttgaggg 420
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 gtctctccag cagcaaagta gtgatagaaa aagaaattgg cttaacttca tctccattgt 120
 tcagggaaca acaaatggaa gcttgacttt gccaaagactt gaattccttc gggaatgaca 180
 ctaataaaaag accaagacct cctgattgaa ctggatgtgg agtgctctgt aggctgcaca 240
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 ccccagcagt gcggggccaa ctcaagttta cagtcctgac tgaaagtcac cctgcttcta 360
 gcttatctga accctgcccc tcactcctat ttattaagca tcacactacc agggag 416

<210> 361
 <211> 92
 <212> DNA
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<210> 362
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 agcccagaaa acagactgcc aaggggggncc ggggggaggg aatgaatgcc agnccttata 120
 caaaacgaca actgttcacc aagcttataa aacacgatag tactgtccct cttttctgaa 180
 ccatcagaga cacaaaactg ttagtgacac aacggtgaca ggtagctggg acnnannnna 240
 ncnnnncntg aagaattttt annanttngc ccanttnntc antntgtnta atcccggnat 300
 ntanctnctg aantcttncg aagtaaantc ccntgaccg atntcagtta agctggtgat 360
 acctggagaa g 371

<210> 363
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 <212> DNA
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<400> 363
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<210> 364
 <211> 319
 <212> DNA
 <213> Mus musculus

<400> 364
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 tccacccgag agcggggccg aggggaagag ctggatgagg atctgttcct gcagcttaca 120
 ggaggccatg aggccttctg agggcagccc ctgctccact caccacctcc agggaccccc 180
 caaaggccac acccacctga acacactgct ccatcactcc cgggatgtac actgctgggc 240
 aacttcactt gttgtcacca ggcaggccag ggccctcgct ggggtaggtg ctaccaccag 300
 ccagcctagg gatgatggg 319

<210> 365
 <211> 112
 <212> DNA
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<400> 365
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<210> 366

<211> 547
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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
 agagtcaggg ctaaggactg gggaacctcc tctcacctga ccagactctg acccacctac 360
 ctcagctggg atgaggggtg cccctcattc agtcacatgg ttcccagtta ctccactcct 420
 cacttaagac tctgaccan cctcaaccct taactcttgg ggcttggtg aggggaacaa 480
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 acaccatact gccaaagtgtc tgcaaaccag aagacagttt agttcaggaa atattttgcc 180
 aaattcaggg gctttattaa aatcaaagag gagaaagagg aaatatattg tccttagatg 240
 ctaatatgtt ttaggctttc tttttctgtt ttataaagtt aaccagtat ttacatttcc 300
 atattgtgtg aattgaacca tctaaatata tttttctttt gttattgaaa ggtaccnaag 360
 gctttttatg ttttgtttgg tttgtttgat tttattgtag ggtttgtttt tttttttnct 420
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gtcagatcca tccttacttg gtttttatgg taccagactt tgacacagac caggaacctc 240
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gaccaggctc ctgaagaaca ctgctggcta gtaaaacata cgttttcaaa gtacantgct 360
cactttgacc acagnccatg acagacttaa aactgcttcc tccaattaat aagtggacca 420
caactccagg gtgggtgtttc tgtgctgtga cttacaaata aatcactgtt ggagagctac 480
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catgaggaca gcaatggttg catcaactat gaagagcttg tccggatggt gctgaatggc 180
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 ccnntcctnt cctnccttn cctgctcctt gaacattacc aaagagaatg gggatcgtnc 120
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 aacg 184

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 <211> 331
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 ttttgtaata caaatgctta ccctattggg ggcggggcgt cggggagtct tccagaggaa 180
 gggcacactc actcacacac agccagctat tgccggcaga ggatcatggg gttcagtcctt 240
 cgtgtgggtc aggtctccaa gctgattctt ttctttccag acagaacat agggagagtt 300
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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 ttgtttttca aatgagactc cattagcttc tttccctgcc 360

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 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 cgcgtgcctt 360
 tgcactgcac caatggctct ntcgtgtacc acgagggtcat caacgccatg cagtgagggt 420
 gttntccccg gaactgcagc aagtgaggcc tgtgcagcta cagcggattc ctactgatac 480
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<210> 374
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 ggaagccgcc cccacattcg ccgtcacaag atggcgctga catcctgtgt tctaagttgg 180
 taaacaaata atctgcgcg gagccaaggg tatttacgac nacttgtact ctgtttttcc 240
 cgtgaacgtc agctcggcca tgggctgcag ccaatcaggg agtgatgcgc cctaggcaat 300
 gggtgtttctc ttttaa 315

<210> 375
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tgtncagctg ctttaaatgta ctgaatgcat tgtagctctg agccaggtct gaagaactgt 180
tgcccaattc agcagtgccg gcattccaac ttgtttaaac ctaccaacat cttaaacgga 240
ctttcctgtg gtggtaccct gagaggcgga tgaaagctac tctgtcagtt tgcacattct 300
aatcactttc cagtatcacg agagatTTTT acttatataa tagttctaga gtatgcagct 360
ggtaaaacca gaggtacat ccagtattac tgctaagaga cattcttcat ccaccaatgt 420
tgtacatgta tgaaaatggt gtactgtata ctttaacaca ccccata 467

<210> 376
<211> 550
<212> DNA
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gtctacaaca agaagtgtat attttcaaac aattttttta tgatttaaca atttttgtaa 180
atcattttca ggcttctgca gctgtagatt ctactgtga ctcccttgct tgctcatgca 240
tatgtgtgtc tgcaatacca aatatacagg tttagtatct gcctgttagt gattgtttcc 300
catgtgtaac gtttcggttg agatgttaac tgggtggacga gtactgtgga tgtgaatgtg 360
ggatgtcatt ttaatcatgt gtaactggtc acaaggccta atttgcagta actattgctg 420
ttttatttaa caatgccttg ttgttttgta tgcataaatg tttgggtgta aagattgtgt 480
gtccatccaa caggagacca cagtatttaa attgaccaac ctgatgttac aacgactttg 540
aggtggccaa 550

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<211> 234
<212> DNA
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<400> 377
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agtgactgct actgatctga gtgcaaaacc atccctcgct gcttcctcaa gtctctcttc 120
tggtgttgga tcacttgctg aaatgaattc aggcgaagct gagtcacgaa acccaagctt 180

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<210> 378
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 gttatttgaa aaaaaaaaaa aanggtccca ggtttcgatc tgtttggagt ttggagtcta 240
 atggttgcac agataaacag gcgaccaatc acaccagca gcagttagct ccttaccgca 300
 gtaactcagc tcattggactg ccctcttgat ggattgatgt tgtttcataa gctattatta 360
 gacaaagaac catcacgcag gcctcatgtg agtatgtcca gatgaggctt aatgctcagg 420
 gatatatgta tatgtatctc tctgtggaat tacactgtgt tctgaggcat cgctctaa 478

<210> 379
 <211> 331
 <212> DNA
 <213> Mus musculus

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 aaatgttttg aaccgtgggc cctaaattct gcgtgccgga ctaagccata catgcccttg 180
 aattcctctc tgtctggcct tcccgcacca gcaagtgggg ttttctttta cttggcagag 240
 gagtggcacc accaccacc cgcacccctt gcaccagaac tcagtgtttc tacagtgtaa 300
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 ggctaggttg gtggtgttct tgaaggggtg cctgggttgg gggactcata aggtggcagt 180
 tgtccatggc ccctggcagg tggggctggt gttgcccttg gtgctcctca gctggggctg 240
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<210> 382
<211> 47
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<400> 382
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<210> 383
<211> 51
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<400> 383
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<210> 384
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<400> 384

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cttccgtggt gatagtacag tgttgctggt gtggtncccta tttattttnt ctgttccagt 120

attctatgga caagtgtaac ttaagctggt agctcatacc tattgatttn ccnatgtgta 180

cataatacta ctatttttca aaaaacttta tnaaaaaaac ttttnagata tttgnatacn 240

naanaantca cnattttgna nttnagggtt tnnttggtnt ttttnagggtt nttntggtn 300

tctttaaatn cagtgatttt taatgaacat acatacataa catttccctn attggtgtgt 360

tcanctatnt tttgataaac tgttatntct taagtgcatt agaatncnaa ttgtttgtaa 420

tggaactgaa gtgtttccct ggacagttta atgtgcatat gaatgagatt tacaattngg 480

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<210> 385

<211> 296

<212> DNA

<213> Mus musculus

<220>

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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

<220>

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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

<220>
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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

<400> 385
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 gtgactacca cttatttcta aatnttcntc gttttctttt tgttntctgtt nttaagaagt 120
 tgtgatttgc tccaagagtt ttaggnntnc ctgaatgant ctttctgtct aagaatgatg 180
 tgttgtgaaa tttgttaata tatattttta aattatgtga gcatgagact atgcacctat 240
 aaatattaat ttatgaattt tacagttttg tgatgtgttt tattaacttg tgtttg 296

<210> 386
 <211> 187
 <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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 <223> n is a, c, g, or t

<400> 386
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ttgcntttat acgtgtgtnt cgtcactgaa gattgacctt gtatgaatac tgaggtttct 120
tggtaatgct ttgtacaatc cnaaatgtta aattggctat ctgttgaaag tgtatgcttc 180
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<210> 387
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<400> 387
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tgancctcagc cccatgcac ctttcctctt ttcttgaaaa caactaattt aaatttgctt 120
tgttttcttt ttttaagttga attgacgtta atgtgttttc actgg 165

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<210> 388
<211> 71
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<220>
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<223> n is a, c, g, or t

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<400> 388
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tttctttctg t 71

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<210> 389
<211> 147
<212> DNA
<213> Mus musculus

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<400> 389
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gacgtgctgg tcggttttaa agctgtgtat cggatcaact ttgctgtggc catctttttc 120

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tttgccttct ttttgctcat gttaaaa

147

<210> 390
 <211> 151
 <212> DNA
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 <223> n is a, c, g, or t

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

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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> (394)..(394)
 <223> n is a, c, g, or t

<400> 391
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 tttttntttt taacttgcaa gccagttggt gtcttccgaa catcatgtgg aaaggaagct 120
 ctccccaccc tagtaccctg agacacacag tgctgcctga gaaatgcagt catacacctg 180
 caccagttt ctcaagttgct cccagtttct tccatgctct ctttgtgtca aatgagtatt 240

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ctcataatgg ctggggctgc tggggagggg agcggcaggc ccaccgtagg acacagcatc   300
ctccacaggt tttagaataa tcatacctata atctagagaa ataggtgcta tcaacaggaa   360
attaagcaaa atgctggatg ctgtgaatct tttntcttaa ttttttctta ttcttaaact   420
acaggctgta gatgtcttag ttctcacaga acttctgtct ttt                        463

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<210> 392
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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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<220>
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<222> (196)..(196)
<223> n is a, c, g, or t

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<220>
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<222> (202)..(202)
<223> n is a, c, g, or t

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

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

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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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<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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ttcaaacctt aatcaaacac agagaaacaa aacccttatt tttttatttt aaactttatt	180
acaaaaaatt ncaaanaaaa tnaaaataaa naaggaagaa aagaaaatca cataccaaat	240
taaccagacc aacagactct tttttttttt taatagtaaa accccatatt gcattaaaaa	300
tggtctnagtt agttnggggt gtaaaaatgc tnagatnaca ggattnatng ggatcangac	360
actnttcctc ttactaaagc nagataagag ttngtagttg cnanatagtt gttgattttt	420
taaactcatg acaaattttt ttttgatttt tntgctnaaa tgtgtcaaag tttcactttc	480
ctaaactntc tgtaattctt ccagatatgt gtgtctcctt gtgatttcac agtgaatgct	540
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<210> 393

<211> 308

<212> DNA

<213> Mus musculus

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

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

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

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

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

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

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 agcacttcca cctggactca agttgncatt tacattttga gtttaaaaag atgttttttt 120
 ttaatctgtt tatagaagta gctcaccttc cactgaggac caggaanncn nnnnnncnng 180
 nnaaannncn tngnnnnnng naannannnc ccnngntttt nnaanttncn nnnnnnnnnn 240
 cnanctggcc tttgcttctg tnccttgtga attagtaatc cagtaggcta aaactcagtc 300
 acagggag 308

<210> 394
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 394
 taaccatagg ttcccgtctg ttgcccttaa ccctccttta cctatcagca atcccggaag 60
 gacaactcca attctctaca aatgaaaacg tgtcacttgg tcaggt 106

<210> 395

<211> 151
 <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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 <222> (118)..(118)
 <223> n is a, c, g, or t

<400> 395
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 gacaactcca attctctaca aatgaaaacg tgtcacttgg tcaggtactg gatntcanc 120
 ttcccagcag agttcgactt gaacccagag c 151

<210> 396
 <211> 554
 <212> DNA
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 <222> (246)..(246)
 <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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 ctcactgtcc cagcctccgt ccgggcagta cacttcccat gtgcattccc ggcagtcacc 120
 tcggcaaggc aactgctgct ccttcacaga taggacgtgg gagctcatgt tgagatttta 180
 cccattcctc cagccatttt gggaaaaaaaa aaattatgaa ctgggattct tcagaaatta 240
 tgtttngttt tttcttgaag aaaatatccc ccccttacct ccgtccttac tttgtaacct 300
 ggctgataac gggccatcca tttttgtagc acacttttca gaaacaatta taacctggtc 360
 ccatctttct aggacaaaca aagccacncc ttgatgtagc ccggctaata atggaagtac 420
 gtccaggctt caaataactt gagtttaaat cctttttttt ttttttcttg gcagagtaat 480
 gtaaaattaa aatggggaag atatttaata ttttaacta agctttaaaa agaaacctgc 540

tatcactgct atgt

554

<210> 397
 <211> 86
 <212> DNA
 <213> Mus musculus

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

<400> 397
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 ctgtgtgcga cgtggagaga tttaat 86

<210> 398
 <211> 83
 <212> DNA
 <213> Mus musculus

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

<400> 398
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 catacagtgt aagcattgtg acc 83

<210> 399
 <211> 464
 <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> (222)..(222)

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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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gctggatggg angagtggga cagaaatcga aanctgaaat tggggatgca tcctgtcacc 180

ctggccnatt acctcagtct gcaggacctg gcatactgac angggaacag tgttcattgg 240

tggtttctgg gctttggatt tctctattac ttcttaacgt tttatgcaga ccttaagtgt 300

ttntattatg gcattcatgt aggtgtggac attgttacct atatttntct tatggaaata 360

aaaaattaag atatgtgtgt gttacatgcc tgcaaccag aaagaactag ggaggttaag 420

gcgggagggg ggaaggtttg agggcagcct agactaccta gcaa 464

<210> 400

<211> 417

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

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 gtgtgtgtgt gcgcgcgcgt gcacacacgc tcgcgagcgc tcacattatg catgaaaact 180
 tgattttcct gaagcatcca ttccaaatt gatagggatg aaaaagtaaa atttccattg 240
 gattcaatta gaagctctga cttctgtatt tgcataaggct tgaactattc cttagcagtg 300
 cctagagatg cggggttcct ctttggtact ggccactcac cttcttacat gacgcagatg 360
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<210> 401
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 <222> (91)..(91)
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 <222> (131)..(131)
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<220>
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 agtttcaggt ngccaaatga agaaatngat agtatccctt gaaaatcatt ataaaggaaa 180
 ccttaagatt tngtataaga tngcatacaa tagagaggag ttttaatttga tgtgtaaatt 240
 tgcagtgcggt ggaaatggnt ntaagaaaaa tcattaaagg gaataaaata tcttaatttt 300
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<210> 402
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 <212> DNA
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 <223> n is a, c, g, or t

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 aaagtttttaa atgattgttt ctaatgactt ttctgcaatt tgtgtccagc caataatttc 120
 tcatcattta aatctttgtg tggagcagca aacataagtg ggatgagcca cctaaattca 180
 ctctcttgaa atgcaattaa agcagtagaa cagaaacaaa aataaatagt cgagaaagaa 240
 catatttggc aattttaaata aatgttataa ttttttcnac cataaattta catttacncc 300
 ttataaacc agancagaaa gtggaagcct ggtaggttg gattcccaat gtaaactccc 360
 cggaactgg 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 aagtgggtgtg aagaaaccct ttttatatgg gaacgctggc 120
 ttatggcata tttagataat tttatgataa catttttagca taatctagat gactattt 178

<210> 404
 <211> 424
 <212> DNA
 <213> Mus musculus

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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

<400> 404
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 gaatggggac ctagtgggaag aactgaaaaa gctgggtatc cgctctgccc tggtagatga 120
 gaaggaccaa gactccaagt gagggccccc ggcnnctcnc cgagcagagc gccctctcca 180

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tcctcggggc cagaaaagcc ttactgctg gtggtgccct gttgctgtga tgcttgcgct 240
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ctggtgaacg tacaaccact gcactgtaaa tcaatgtcgc gatcctgtat tgctataacc 360
gtgatctgtt cttacgttgt ctttattctc tgccggccgg ctttgggagt cacttctgat 420
tctt 424

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<212> DNA
<213> Mus musculus

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<222> (174)..(174)
<223> n is a, c, g, or t

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<400> 405
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tgccatattg tcgagaaaac gtgtgtcttg cctatggtag tgagtggcca gtgtatgcag 120
tgggctctca agcgcattgc tccttcttgg atccacggca gccatcgtac aacngtcaag 180
tctgtctgct ccaggaacg 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

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<210> 406
<211> 141
<212> DNA
<213> Mus musculus

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<400> 406
ggttttgctg gtattttcta atttgtctgt ccaggaaggt gtggtttgta gcgagtgcctt 60
tgtgtgtggg atctgttctc agtgcagcag ggcttagtgt tggaagtcac tgtcctgctc 120
tgttggctca ttcttagggg a 141

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<210> 407
<211> 412
<212> DNA
<213> Mus musculus

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<220>
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 <222> (363)..(363)
 <223> n is a, c, g, or t

<220>
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 <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 tcttcctcgc aagcgtgtac ctgtcagctc caaggtctat ccccgagaa 240
 ctcaaaggac ttcgtacaaa tgggccggaa gatcccatc ctaggcttct gttcctgcga 300
 agaattggga gaaactggaa tatggcaact gacagacccg cccatccttc cccttaccca 360
 tgncccnac tgggggcttc aactggagag agaccctcct gcaagaataa gc 412

<210> 408
 <211> 488
 <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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<222> (339)..(339)

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

<400> 408

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aatatatgaac aagcactcaa gttgagcttt atattggtca ctttttatgg 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 gtttgggnt 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

<220>

<221> misc_feature

<222> (64)..(64)

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

<400> 409

cacaactggt gagagagaag cccttgccct ntgcaggtcc cattgaaagg agaggtttgc	60
tctntgccac tcattctgtaa ccgtgagctt ttccaccgg cctcctcttt gatcccagaa	120
taatgactct gag	133

<210> 410

<211> 250

<212> DNA

<213> Mus musculus

<400> 410

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ggcagcagag ctttgatctc ttggtgatcg gtgggggatc cggtaggcta gcttgtgcc      60
aggaagctgc tcagctggga aagaaggtag ctgtggctga ctatgtggaa ctttctcccc      120
gaggcaccaa gtggggcctt ggtggcacct gtgtcaacgt gggttgcata cccaagaagc      180
tgatgcatca ggctgcactg ctgggggggca tgatcagaga tgctcaccac tatggctggg      240
aggtggccca                                     250

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<210> 411
<211> 176
<212> DNA
<213> Mus musculus

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<400> 411
agacgacaag gaaatctgac tcttcattg aacaaagact tggtagaaaa agtgacaaac      60
gaatataacg aatcattgct ctacagtcca gaagaaccaa aaatactttt cagtattcga      120
gagccaatag caaacagagt tttctccagc agccgtcagc gttgtttctc ttccaa        176

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<210> 412
<211> 431
<212> DNA
<213> Mus musculus

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<220>
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<220>
<221> misc_feature
<222> (260)..(269)
<223> n is a, c, g, or t

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

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

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

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<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>
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<222> (288)..(290)
<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> (300)..(300)
<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

<220>
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<222> (347)..(347)
<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

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

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

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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

<400> 412
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 ctgacctgca ccaacatagc ttcttcctgg ctagcctggc agtctttccc tggggctcag 120
 cgctgtacca gctccagggg ctttttgcca gggttctccg aggatacatg ctggccttacc 180
 tgttatcatg acaccagttg tcccagcact tactcacctc cctgaggtct agatgggagt 240
 cctctactgc tcannnnncn nnnnnnnnt nntnnnnnnn anancnannn cnctggtggn 300

cantnanc t t cctgaagggn aaatgggatt tcanggacat naggcantga ggtgaggccg 360
 anccntnntc ccagagctat gcnnntntatg 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

<220>
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 <222> (50)..(50)
 <223> n is a, c, g, or t

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

<220>
 <221> misc_feature
 <222> (205)..(205)
 <223> n is a, c, g, or t

<400> 413
 tgctcagga gatttggcag actctttctt cattgtagaa tctggangan gtgaaaatta 60
 ctatgaaaag aaagggtaaa tcagaagttg aagagaacgg agctgtggaa atcgctcggt 120
 gctttcgggg ccagtacttt ggagagcttg ccctgggtcac 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
 <213> Mus musculus

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

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<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 agaagggttaa tgacactgag ggaacgacac attctgcagc agatcgtgaa      360
ccttatagag gaaactggac actttcatat tacgaataca acatttgatt ttgatctttg      420
ctcgtctggac aaaactacag tccgtaaatt acagagttac ctggaaacat ctggaacatc      480
ctgaggatac aacagctgga cgcacaaa                                     509

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<210> 415
<211> 518
<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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<220>
<221> misc_feature
<222> (299)..(300)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (305)..(306)
<223> n is a, c, g, or t

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<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<220>
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<222> (313)..(313)
<223> n is a, c, g, or t

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

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<220>
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 <222> (347)..(347)
 <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>
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 <222> (356)..(356)
 <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>
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 <222> (368)..(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> (383)..(383)
 <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> (458)..(458)
 <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>
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 <222> (492)..(493)
 <223> n is a, c, g, or t

<400> 415
 tcagctggta ctgccgcat aggaatgccg gttgatgctt tggcagtcac tcaggatggc


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catctctagt acacctgagt attccacaca ggagactgcc tgtcagagcc tgcagtgggtg    120
ggggaagcgc taccccggaac cctgctgagt gtgttgaatg tttgtgggta 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

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<210> 416
<211> 548
<212> DNA
<213> Mus musculus

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

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

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

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

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<220>
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<222> (432)..(432)
<223> n is a, c, g, or t

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

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<220>
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<222> (447)..(447)

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

<400> 416

ttccgccgaa aaagagaaga cgctttaccc gactctttgg gccgttatct cacggcgaac	60
tttctgaccg agtatacaac taccagaag gcctaggaga agtgctgtat agagagcagt	120
tcgacttcaa cgctgagcca cttgggaac ctagctgatg ataggggggtt ccattctcta	180
acttgtccat tttgttgcatt attctaagga cccagacata ggcttggtgg cccgtctctt	240
gtttttcctg gtttatgact ttcggtcttg tggaatacgg ctgagatgaa naggatttat	300
tgacgatgcg aactactccg ttggcctgtn ggatgaagga acaaaccttg gaaatgttat	360
tgataactat gtttatgaac atacctgac agggaaaaaan 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

<400> 417

tcagtttccg gatgcctacg ggaaggagct ctttgacaag gccacaac accacttttt	60
gcacagcctg gccctgttag gggtagcctc ttgcagaaaa cctgtctggg caggattact	120
gtagcttctt ggaactacct tattctgcac cagcttctac taccaggctc tgagtggaga	180
caccagcatc cagactctgg ggctgtggg agggagcctg ctaatcttgg gctggcttgn	240
cttggctttt tgaagtctct tgtttaagcg cccagtcctg gcctttcttg gtaattgggc	300
gca	303

<210> 418

<211> 548

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (200)..(200)

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

<400> 418

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gctctttctg agagaattgc cccagccact gctgagcatg gagtatctca aagccttcca    60
agctgtccag aatctttccaa ccagaaagga acagttgcag gctttgaacc tccttgatcat    120
tcttctacct gacgcaaaca gagacacact gaaggccttg cttgaatttc tccaaagagt    180
catagataac aaagagaagn acaagatgac agctgggaat gtagcaatgg tcatggcccc    240
aaatctcttc atgtgccaca cgctgggctt gaagtccagt gaacagcgag aatttgaaat    300
ggcagctggg acagcaaatag tcatgcactt attgattagg taccagaaaa ttctatggac    360
aatccctaaa ttatttgtaa tccaagttag gaaacagaat attgagaatc aaaagaagga    420
aaggaaagcc atgaagaaat tgctgaagaa aatggcttat gaccgggaaa caacatgaaa    480
agccagataa actgcaaatag gtgctgatgt tcctcaggga cgtgattccg agtagcaaga    540
ctccccga                                         548
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<210> 419

<211> 431

<212> DNA

<213> Mus musculus

<400> 419

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tccagcatgt gttactctgt caacagtgat gctttcacag aacctttgtc ctccacaatt    60
ccccccctcc atttaaacca ggacatttcc atctcagtga gccactgctg tatttgggac    120
ctaagcgaga agctggataa acagagggcg tattattatt gttactgtca atatagtttc    180
cttccttagt tataactgat tatttccttt ttccatttc aaaacatttt tgttcaaatag    240
cttctgatgg ctctcgtcac aagcaatatt cttcggaat aatgcacctt ttttaatttct    300
caacctaaaa tacacagccc gtcacttcca tagtaggatg atgctgttag agagatcagc    360
tgtgtctagt tggagaattt ttaggggaat aagggattac aggagcgagt gcttcctcta    420
ttagttcgtg c                                         431
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<210> 420

<211> 424

<212> DNA

<213> Mus musculus

<400> 420

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gcactcatca aaaacctggc tgacagttcc acactagttc ttcttctcag gcatatgttc    60
atctcctggg tcttgagaat tctaggacat tccaggtact ttctccttca tcagctccaa    120
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acatgaaatc acaatcaaga atacacatca tctgaatgtc tgtggtaggc atgacaacaa 180
tcttagaagt cttttaagag ggtgtaatgt ggtattttct ggtttagtgt cttccttaaa 240
tatatgtcca tccacacatt cctctgcatg gaggccatga tgtctctgtc tatcaacaca 300
tcaactgtcat ctctgatct ttctcagcc agaggagtgt ctggaatgat gtggagggttc 360
cctttcttgt agtcatccag gagctgatag aagtagagag ctggattctt cttgtagtac 420
caaa 424

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<210> 421
<211> 568
<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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<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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

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

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

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

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<220>
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<222> (372)..(372)
 <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

<220>
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 <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> (418)..(419)
 <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>
 <221> misc_feature
 <222> (454)..(454)
 <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> (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>
 <221> misc_feature
 <222> (512)..(512)
 <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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 cttccctgggt gccctgggtg tgtcaaggcc tcagaggcnt ggggcggatg gacagacact 120
 gctggccttag gtttgctagg ctacagaggg ggactgggcc agccccgcgt gggactggca 180
 catgtccttt gtagggcgtg ttcagagata gaggggtccag gtgcaatgct gaccagctt 240
 cttgggtgct ggtcagttac tactaggccc aggtttttaga tgacaaaccc ccnccccntc 300
 ccagtttccn ggagaggtga acaggacctn catgttaact ccctctntcc ngcctgggaa 360
 agtggctgaa gnccaggncc ctatntttnt nctcantcac cttcactgga agaggggnnc 420
 ctcatagga aaactaaggn tatcggggca ctgncacttc ctagactggg tggggagggt 480
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<222> (455)..(455)

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

<400> 422

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accgcacga cttcctcgtc agttactgcc cagctcagct agtgtccgct cgcccgcct	120
tccgcacatc ccccgcttct tttccacctt ttaagctgtg actggtactt tctggatctc	180
agtgttaactt ttgagctagt taattctctt ctacatttta ctgttctctg gggaatgaac	240
ccttcctcgg aggacactgc ttccagagca tcttctnttc cagattcact ancctttttg	300
atcagctatt ggtagatgaa caggctgggt tattctggta taaanccctt ttttggagaa	360
gggaaaatgt ttgtactatt ctttttacat atggcaacat caaactganc cnttgctcac	420
attaaataat tcacttgaac tataaagaga agatncaatt tgcattttta aggggaaggg	480
gctaacaaca cttttctacc tgtgtaaatt atagatcatt aattcatgca ccctgtggga	540
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<210> 423

<211> 321

<212> DNA

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

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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

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 <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
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 ctcatttta 249

<210> 425
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<400> 425


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gtgtgtgtgt ntgtnnnnnn nnnnnnnnct gtctgtctgt ctgtctgtct gtgtgtgtgt      180
gtgtggcgca catgtatgca cgccatgtgc catgaacctg gacaagcatt gtctcaaggg      240
ctcattttan gctttttttt nnnnnnnnnn nnnnnnnnnn nntttttttt ttttggtgat      300
gtgtgtatct tgtccccagc tccctaggcc ctgcctgcct ttcagactgt cctctcctcc      360
tccttctccc ctctccttat gccaggggtc caggacttcc agccagaagc ctctgacctt      420
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<210> 426
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<212> DNA
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ccctccagaa gcaagtcagg cagggccaag cttggtgaaa cagggtgacg tgctccatgc      180
tctctgtggt ctggagttag ggtggggaaa ggttggtata attgaagatt gtgcagttcc      240
tagtgacagg tgccaagagg ttatgatacg ggtttcttgg gtctgttgta cagtgtgaat      300
aaatgcttgc agctcttagc cttttttgat caatgaagca cttttttatt aatattttct      360
ttgtatgtaa aggaggaagc gtaactccat agctgtacat agaacctttt ctctaaaga      420
ggagtcagcg ctcttatagt tttcat                                           446

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<210> 427
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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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 catgtctgtt tatgttngtc atattttcaa gtctttcttc catttttagcc tccttgtaag 120
 aaaacactgt ccagtgggtct ccatcaggcc gatcactata ttcactgcca tcccatgcta 180
 gtttaaagga atgctatgaa aatttaaadc tgtagaccat atatactttt cacccaagtt 240
 ctcccattga ggactcttgc ttaaaaatat nncaatttga ctttgntctn ctcacacaca 300
 tgagttggcg agatcccagg aatntcgtgt ggtgatgatg ttcactgttt gtaaccatgc 360
 tgттаатgaa c 371

<210> 428
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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> 428
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 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
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 gctggTgatc aaggtgatga ctaagatctt ataccatct 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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 cagattccaa agggagggct tcctagtctt agacatgtgg gccagattag cattggctgt 120
 cttttctgnc agcatgaatt aagccctcat aaggatgatg gtcctgtctg aggatgaggg 180
 gagcaaatga gcacagcagg gacagccgca gtcagtggcg ggccagggaa ggtgtcagtg 240
 ctggtacagc tcattatcag aaagggttaa ggttttttcc tactnaaacc atcctcactt 300
 tttatacatg caacggactg tacgcgtata tacatacata tntactgtag tttaaagagt 360
 aataataata gcccccatat gcctccancc tgccatgctn cttttctccc taggcacccc 420
 atgtgcgctt ccctgacctt ntctttntcc ctgttgaata tagaaagcct caccctgtgt 480
 g 481

<210> 431
 <211> 289
 <212> DNA
 <213> Mus musculus

<400> 431
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 tgaagattat ttttataaat gaatttttaa agaaaaacct tggctgtttt aaaatctcaa 120
 gaaaatgaac ctgctgccat gcataatfff ttgatgcttt tgcactaggt atcttgtaaa 180
 tgtcactgca tttctgatga agggcgactg acaggtagag gtagtattgt gtgtctgaaa 240

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289

<210> 432
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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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 tggaagtaaa agcaacggct ataggagtgc cgacaaatat gtcctaaaaa caaccaacca 120
 aancctactt caaagaaaag ctggaaacgg cagtactgct taaaaatcaa caacaaaaaa 180
 taggcagggg aatgtcactt tctgaaaaga aggctcagtg tcgccaatgc tgctcctgac 240
 caagggagag gtgaaagttc ggcattttta ttganctggc ttcaaagggg anntgtgnca 300
 accaaatnaa nacaattcca tnttcnagna actttcatgt aacttttatn tcaggactgc 360
 agttinnacgt gaacatttct gtttttntt tnaagtatag aagagtagtt gaactgancn 420
 atacctcctc ctgtgttgta ttacacatat tanccacgag tttttncagt gaccagataa 480
 acttgaattg acacgtggtg ta 502

<210> 433
 <211> 511
 <212> DNA
 <213> Mus musculus

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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
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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> (231)..(231)
 <223> n is a, c, g, or t

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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 ctctcccccac ctctctccct cctacagaag 300
 gtgccagctt actccatagc tgtataaata a 331

<210> 435
 <211> 447
 <212> DNA
 <213> Mus musculus

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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

<400> 435
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 tgggaaatgg gcacaaagac acaaaccg ggcctaacc gctagacaat gcatggaatg 120
 tgaacacaag ttaattat tcaaatgtgt atcagatgtt atttaaatga taatatattc 180
 aatgattttt ttcataattt atcgaagcct gtgagatgca ctggatttcc tttgtcacat 240
 agttttgatt tttgcagcct tctgcattgc acacgtgaac tggaccttag ggcaagnctg 300
 cttgagagag ttctcgacta catTTTTTaaa cantgttctg tgaaggcctg tgagtgtcat 360
 gataaaactg tgaatgacta catagggact ctgattagac tattggttag gctcctgtgg 420
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<210> 436
 <211> 551
 <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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 taattgtaat ttttatcaaa atatttgtca aaatgatgtc aaatatacac ttcttagttg 240
 tcttcctttt ggagaaacct gtttgatagg tcacaatctc catccttact gatgctttcn 300
 ttagatgtca ccgtatcctt caatccaacc atgatcactt gaagcagaga tcancaaact 360
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 tcctctgtaa aagcantccc agacnatatg catgtgaccg agcatggctg tactctaata 480
 aaatttgatg tacaaaagca agaggaaggc tggactgncc ttaccaatcg ctcaactaaa 540
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<210> 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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<223> n is a, c, g, or t

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gctgtgtgca cagttcaagt gggaggggct ggctcctgga tagcttccta tggctggaga	180
gaaggttcta aagcaggagt ctgtagctgt tcagtggatc ttgggggttc agggagaaat	240
ctantctttt gcccaggatt aaactattta gtgttgcttg gttcactttg tggctctggt	300
tccagaactg aagagagttc cttctcacan ccttccttca gnaacattgc acagcattct	360
gtgggtgtggg gacatgaggg acactnccat ttgtgcccc a tgtgatatgt gacttatttt	420
gccagttgaa g	431

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<211> 180

<212> DNA

<213> Mus musculus

<400> 438

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agagtctcct tgagctcaga attaaaattg ccctgaattt ttgaagatcc aaaatcttat	120
gtaaatagcc atttgtagtt aagtgggttt tatttttttag tcttgtgctt gcccttggtc	180

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gtcatntgag gtggagggnt tgtgtgcatg gggagantcc acatggctta gcaagaggtn 180

tatgctgttg gncatatgncc tgacccttg gatcaacaat ggatgctcaa g 231

<210> 440

<211> 418

<212> DNA

<213> Mus musculus

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aagggtagta ggaatcttga cggtttcttg 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

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 gggagtggcg gccttcgcat ctctctctct ctcagcactc agccacgctg acctggccgg 180
 gtggtccgcy tggacaggac agctgggtgaa gcaagccgga tgctcagaac actgcgcgtc 240
 tcctgtcctg ttttaagctt agctgggtcc tttgttttca cancttccta ggttaaatag 300
 tttncaactat ttttncaata aattcatggg aaacctaang gcnacttatg ttnttgttcn 360
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 tagctaacac agagctcttg gtatggagta acagttaact atggactgat gtttccagac 180
 gattgtgttc ttaatggggg ttgctttttt atttgcctct cagattatgt ttagtagttt 240
 aaatttcttt gttttattat ttcattaaag tataaaaact tcaggtctca tattttattt 300
 cacttgttct actaattatt tacaagacac tttttggttg acattttatt tataaatgtg 360
 tggatatatta aatgtcttta attttttttg ttttattgaa attacagtaa ctttgatttg 420
 ctttactggg attttttaa tttattttta ttccactttt tccatgtcag tgcacagcac 480
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tctgtcccag ctccctgcag ccagatggag ggnccgctgc ctgcttcccc atccctgaag 180

catccccaag gacaaccctc cttcctccac catgatgagg ggaagctgga gccctaagct 240

ttgatcctct attggagtgg cccagatctt tccatctgga gtaagtctat gttagaagcc 300

naaggccttc tccccagtct ggccttggcn tccagcctgn aaaaggggtt atcatcagtt 360

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 aaaataaaag ctagagggttc ttttttattt taaacatgca agttttatta ctttacatat 180
 agaactctat taaataatnt aatatancaa tnttttaaatt taggaaaccc cacntnatag 240

ttagagatca gtttacatag ttgaatnttc tatnttcaaa gcacnaacat tgttgtaaga 300
 tgctgttagn aaatgcttta ttgagncaa tggataataa ttatctgatt ctgatttggt 360
 gcttattntc tctnataatt atacgttctc tgactattgt atttagaaca atatttccag 420
 ttttgttttc catttccaga gactgaattt gtaggcatag agcagctctt atccctcagt 480
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 taccacgcat gttttaaagt ctaccccacc ttcttgccca tctccagcac tgagatgcag 180
 tgttgtgggc ctagtccatg tttagtgaag tgcaatgtca agaaagtcaa tgaggaaatt 240
 aaatgtaaat tctgagcagc catttactgg gttacttgag caaccaatca ttatgaattt 300
 ctgttatttg gcagtgactt atcngtctat ttcttaccba aaaagcccat cagaagggtgt 360
 cccttacatt attgctaacc ttctgattgc tgtnnttaag gatagagaca tatatgtgta 420
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ttcttgcagc caaaacacaa aagtagacta accaagttga atttgattta aaaaaacaaa 180
aaggcagggg gggatcaggg gcattaaaaa taagagggtta gaacctaaga agtcacacctt 240
atctacaggg ccaaaggggc tggattcctc tgttgtgtta tcttacctgg ttctttactt 300
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agttgttggc tatggtactt actagttttg tagtaatgtt ttgctagcct gactttcctt 180
actggttttt atgtccatgg tccccggtga ctgttactct tgtttggggt gtgtgcatag 240
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atgtcttagg taaatgaagc aatggaaggg tttttgtaaa tctcatttga gattgccatt 180
tatgaaccta attgtcttgg acatgcaatg tcagtgcctt gttctctcct gcagtgtctg 240

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catggcgtcc actacttctg ttggtgttgg gcgtgtgtag tgtcccgtn c actggggcct      300
gtgtgcttgt gctgaagtcg tgctcactgc agccctctag ttcctgtttg aggatgaatg      360
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aaactatttc agggggtgca gtgtggtttc ccctccctgt gaggcctcag cctctcttct 180

gcacagattc cgtgttntaa agagtttgct catgccgcca tcggtgtgct atagctttaa 240

cgcttctgaa acctctgggg ttgattagaa nccggggcct angtttcnt cgtaccaga 300

gncccccact caccagntn gtntcttntc ccacaaggct cttcagggac cgtggtggct 360

acagntctgg ccagcctctg gctcctagga aatatgcant cttgtgggggt ttgatcattt 420

tgaagatacc ngggggtggg aagntctgga ntcctgggt tgggactcca tgtggntcac 480
 ctacctcctg gtttcaccca aantcctncc ttgaaccacc agcaagtttc attctgt 537

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 ttcatntctt ttatgtccct tattcaagga gacagcataa ttactgcaga acaagacaca 180
 tttgaagggt gttttctact aaacctcatt cagttattca gtttttaaaa gggaaaaaag 240
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gcttaaccaa ggccacgtgt ccagagaggt gtacccaggg gtgacgggnn ntgagaggcc 180

ttccacctac cctcagggag cctgggtttc tcaggggctc agtggggcag cactttttgc 240

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ggtagntccg agcnagcnga nctgggaatt tgaagtttgg atgttgagct aatatgtact 360

ggtncccnat ttgggttaat ttntcttctc ctcgantcag cttcctggtn ccacaaactt 420

antcctntcc gaggagtgnt cagcgactca cccccccca cacacacttg aaatttgtct 480

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 gcagaaagta tagtgttctt cacttgaact aatcaaatac aatagattat aaattgtgta 180
 ttgtaaataa aagttcactc tgtgagtnca ctttttggtta aattatttat ttatgttaac 240
 attatnaaag aaagggaaaa aatncatttg nccnnggata agtnaggtat gttgggtcang 300
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 cttattctat ttttatcttt tgcttggttt gtcaggtaga cacttgatag taaaatggct 180

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ttcanaaang acattttaat catttgctga tatgagnact ggtttgagag tagtggtttt 240
gttgtgaaac attccaggtg aagcattata tgcaaattat ttaattatta atttctgttc 300
attccaaata cnagctgtta ancctcatag aatttaaaag atttgtttca tttttttcc 360
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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
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 gtagaataaa anntcacagc agatttccca aagaaactta aattttgtta tattctgtgt 180
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 aatttgcatt tgnnttcana actaagaaaa gtnaattata natatgaagt atgcttaaata 360
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 ctaattttgt gtnntctact tntctncctc cattagataa catgtncatg aagacaagta 480
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 aagggaaaag ctatattcaa gctagctata tagggatata atgacatttt tttttttngc 240
 aatagaagga atgaagtgtc aattaacacn tacatgancc ttgtatgtat tagggctgaa 300
 ccttgagnac attacagtna gagaaagaaa ccanacatna aagaccacat aagncnanat 360
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 aaggtgagct gagagaaaac agggcatgga tttttggaat gatgaggacg tttatgtaat 480
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 cttgtgcatt ttcagttggt ggtgaacttc cttttttatt gacaatatga agactcattc 180

tgtgccatct accatataag tatatatctg tatcatgtta tagatatata tgatataatg 240
aattgttgca tagacatcga aatagaccgt ttatggaact tgagcttcgt gagctcagaa 300
gtaaaannaa ctaaagctag gatgtatgat gagatcaaat gctnttancg tttnccaaac 360
ncaacacnct gntntttnac aattaagnna aatgnatntc actgtgtgag gtaatttaga 420
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tgtcaaagggt tcagaatgaa aaatagtcctt attgtggctg tactagcaca gtggaagcag 240
agctccttaa ataagaaaat catcaataaa gcctgaaata cagagctcag agcataatct 300
caaaagtata aaaggggncc aaacagaaag aattcttttc ctggcatatg aaaatgtgtt 360
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tcagcaggta ttatcagaca ctactgagt gctcagaaat agtgaggact gtgaggaacc 180

tcaagttcag ttttgtctgt ccgtttgtct gtccgtgaag gtgtcttctc caggaggttt 240
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tcactatacc ttttagctgtg ttttgaaata tagttttgca aaatctttct gtaggaaaag 180
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 ctttcatttg gttgtcaatg atgagaacgt ctaggatctg aagccccaca ttaaatttga 180
 actacttgaa tttaaacagt ataatttgaa aaaaactgaa ttatitttaa aactatatag 240
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 ccataaagct attttgtcta ctttgcata gaataatcaga cttttctata tcaaggccaa 360
 gtagtaacta naaattggat cttgctnttc agagataaga attctcagct catcataatt 420
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 ttggcttggg gcctgggagg ggcgtgaaag aaggaaggat ttagggtagt aaagttaggt 180
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 caagcagccc ctccccagc gcctttgcat tgtcccctcc cccactcctg ctgtgggttc 480
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cagggatgct ggggttctgt gatgatggct ggattttcag ttgctgtgat aaaacaccag      180
tgttgggagc caggtgatcc aaggctctcc ccacagttct aatgtatgga gaaggaaggt      240
agtcctttat ctaacaccag gaatacccct ggcaaagtca gtagtaaccc ggggccaggg      300
ccttggggaa actgtgggtt ttatcaaagt acctttggac ccaactcctc cccacaagga      360
gctgtgggta ttagacccaa tgccactata aaatctgtct gtgatacact tgataccctg      420
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 tacacggagg agacagacga ggaacccang gtgcttgn nttggactta ctgtttcatg 180
 atgtagaatc ttctgctgac atacaagagt gttgttcagc cagctgata tttccagctt 240

cagatcagtg agctgacaat gtgtgttacc agaccaagcc tgtgcctgac accaggagca 300
 cctatgggtcg taactgtaaa antcttactc cagtnntccc aaccgcccac cntcctgagc 360
 tcttcggaag gagcatagcg actcatcatc gactntcaat attctcctgg tgtggncctt 420
 caactatctn tcctcctgcc tcancctccc gaatagcagg gatgacagnc ctttgtcatc 480
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 gcaacagttt gtcagtctcg cagcattgct gatcactgct gagaggagag gcacaaccag 240
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 cttgtgctaa acaacatctg tgtgtgttga taagtgttta gtgtnccata catttgaaat 240
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 <222> (425)..(425)
 <223> n is a, c, g, or t

<400> 471
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 atgactttga ggcaagagaa ggaccaaagt caggggacag aggggagaag gcactcttct 120
 ctctgcttcc agatgagagc acaagaggga atatcaaact gaacaactga caaaacaagt 180

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tctggaagga tggatggaca cacacacctc tggctagagt gcatctatat agagccacca    240
ccctagttaa ctagagagga ttagctnaca ctgcctgttc tacagtccca ccccatact      300
ggccctgaac ctccattgta ctttcattgt cccccacagc cttgttncat gatggagagg      360
tcaggcataa ggaccagtga tgccactgtc cctgtgtgac cntgaccaa gccacaaacc      420
ctgtntagac ctcgtttttg tctcctatga aaggggataa taattcctgc ctataaag      478

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<210> 472
<211> 480
<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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<220>
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<223> n is a, c, g, or t

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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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<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

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

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 acaagggctg ccaggaagat gtcagtcagt aaagtgcacg ctctaccccc cccacatac 120
 acacatacac acacacacac acanncgngc gcgcgcgaac atgtatgtac ataacataca 180
 cacaatcaaa gctagcacia aaacggatcc caagtccaaa ctgataagaa acgatgggtg 240
 cacggtccac agcacttgcc tagcaagggc ctcgctgtgg ccctagggct ggagagagaa 300
 aggaagaccc agnangnann tgnncgtnt nntgactcan nccttnaccc nancactggg 360
 naggcagaag aaagagtaat tccagttccg gccagcctg gctctgtca gagaggagag 420
 agaagggacc caggaaagca ggagaattag ggcaggcaca aggttcctgg ttaatcccca 480

<210> 473
 <211> 144
 <212> DNA
 <213> Mus musculus

<220>
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<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> (86)..(86)

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

<220>

<221> misc_feature

<222> (115)..(115)

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

<400> 473

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aacgtgggag atgttctgat ntntcntttg ctttgcttcc gcggaactca cccantctta 120

aaaacacatc ttcattgcag aggc 144

<210> 474

<211> 156

<212> DNA

<213> Mus musculus

<220>

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

<220>

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<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> (61)..(61)

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

<400> 474

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tgcccaggag ctcacagttc ctgcagancc ttnttgggac agccattntg aggcagggag      60
ntaccaggct gggttcccag gggaacttgt tgcaggtaag acgctgggga ccaaagctgc      120
ggacccatca tagctgacca accctgttgc ccttgg                                156

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<210> 475
<211> 183
<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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<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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<400> 475
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atctaacagc ccacaactga tgcttcttgc ttcttgcagt ggacttcacc tgctctccct      120
ccctncccac tnttccagga aagacccttg gagcttgtgc atacagagtt tgaatttcca      180
cct                                              183

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<210> 476
<211> 113
<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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<400> 476
tttttacgct tatttttcat ggatcaaaaa ttcccagcat ttntggaaga ggtggaaaag      60
gaacttaaaa agattacagg gttgagaaac taaagccctg cacatgtatg caa              113

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<210> 477
<211> 426
<212> DNA
<213> Mus musculus

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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

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 <222> (99)..(99)
 <223> n is a, c, g, or t

<220>
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 <222> (105)..(105)
 <223> n is a, c, g, or t

<400> 477
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 gtttttttcta aagatttnatt tcctntatgt gtatntgtnt gtgcntgagt gtacatgcat 120
 gtagatgccg gcagagacca gcagagggca tcagagcccc tggagctata gttgtgaggg 180
 gttgtaggct gcccagtacc ggtgctgggt accaaaccca ggccctctgc aagagcagca 240
 aatgctgcga acagtgttac tttgtttag tttgagacaa ggtctcatgt agccgaggtt 300
 ggcttttaaac tgatcctgct gccttttagca ctcaagtacc aggattacaa gcatggatca 360
 catctggtaa tcttgcttta aaaaaatcta agtttagttg tctagacaag aggtatgttg 420
 cgggct 426

<210> 478
 <211> 538
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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 tgaaaacccat gtgggacatc 480
 cagccttggtg gactgaacaa cttctggcct cttggacctt tcaactgtag tcagccat 538

<210> 479
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 479
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 tgagtaaacc ttccttattt acgaggggtcc tgtgtgtgat ggggggtgggg gtcctagacg 120
 aggtaagtcc tcattcttca ggcttacatt aagtgaatt actctttata atccagggca 180
 tctgggggtcc tactaaagtt ttaacggaga gagatcttca gggttcttat tttcctcctt 240
 tccactctct ccacctgca tcctctgtac catccccaac ttaaagccag tacaccagag 300
 ggctgacctc caaacccctt aactcaggct ggcttaactg ggc 343

<210> 480
 <211> 418
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (192)..(192)
 <223> n is a, c, g, or t

<400> 480
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 tcacagtcta gtttgctaag acacgggtgtg tctcgtttca gagggcttat tgggcaactt 120
 ccctgacaat gaatgccttt tttgaagacc acaggttgca aagataagtt agggacatct 180

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gtctgttttc gngaagtgag gacagtgacc ccatatggga atcagaacat ggcattgctc   240
cttagagata cattccatcc ctgtcaaggt catctctgta tacgagacag aggttggctt   300
ctccctagca gtggggagtg gggagtgggtg tgttcttctg agactctgta acatctacct   360
catgaggggtt tcctgggaaa cagtgagatg atgttctgtg ctctgttaga ctgtgctt   418

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<210> 481
<211> 432
<212> DNA
<213> Mus musculus

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<220>
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<222> (31)..(31)
<223> n is a, c, g, or t

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<220>
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<222> (65)..(65)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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

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

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<220>

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

<400> 481
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 tctcnttatn tggccctgaa tgtcctcaaa ctactatgt agaccaggct ggccttaaatt 120
 tcacaaagat ttgcctgttt ctgctttctg nagttctggc ctgagtctag tttatttcat 180
 ttagcatacc aatttcttct gtcattccatt ttcctaaaaa aaattgaaac aaaattttaa 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
 agtccccgag atgcgacttg ggagagaggt tgcagaagga ggcagcccat cttctcctcc 60
 cctcgatcat cttttccatc cagatgcaag tcgtgggagc tgagagctcg gacgaggggtg 120
 aaattgccgc cttccctccg acccgaacgc gtgcgccccg ccggcccccc gctgggtgca 180
 cactcgcacg cacaccctcg caccataacc cgcacacgcg ggagcacacg cacaggtagt 240
 cagtcacaca ccaagggcag cagcgacggc ggacgaaaca tgctccggtg gcattgcaac 300
 cccccccacc ccgcatcc aaccttgcaa ttcatttgca gtcagacccc aaaccacaca 360
 ccttccccgg agccccctc cataaaaaag tgccttcccc ccaaaacaca cacgcacaca 420
 taacacaaag taggagaatg gaccgacaga gatatttttg gcaaattgctc acatcagagg 480
 gcgtcctg 488

<210> 483
 <211> 450
 <212> DNA
 <213> Mus musculus

<400> 483
 gttccctaag tctgcaaatt gctttcataa ggaacattac ttgattagtg tgtttatttg 60
 gggggggggg ggcaagggtt ggaatttggc aatcttgaac cttttaagg tgctaacatt 120

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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 cctaactctg cttcagttat aatcgatagg 420
attataggtg tgccccaata aattatgctt 450

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<210> 484
<211> 223
<212> DNA
<213> Mus musculus

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<400> 484
gaacacatac tgctcgaatt gagcttctgg tcatgttttc aaaagggcac accttgagga 60
cattattcct taaatttttc atgtggtaga acacctggaa ataagaattc tgggcatgaa 120
ctatatgcag aactgctact gagaatgtaa gataagtatg taaatatata ggtgtgtatt 180
aattagatag tcatatgctg gctaacaagc actatttcta ata 223

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<210> 485
<211> 197
<212> DNA
<213> Mus musculus

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<220>
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<220>
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<222> (75)..(76)
<223> n is a, c, g, or t

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

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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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<222> (128)..(128)

<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> (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

<400> 485

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cctgggggac nntggnagag ggcctgtcc atcctcacca tnccttccc ttttctcctn 120

caccctnta ntntacctnn acagtctcca tgaccccan cctcttacc cctgcacctt 180

tcgtttaacc ctgtcat 197

<210> 486

<211> 283

<212> DNA

<213> Mus musculus

<400> 486

tcaggacctt gggagacaac tcagtagtta gagggcttgc tacacaaaca tgaaaatttc 60

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

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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

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<210> 488

<211> 498

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

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<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>

<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

<400> 488

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aagatctacc tactgtactt cccatgtgag gacaacgcca atgaaaacct attgcttgtc      60
tcgtgtgagg gcagctcagt gaaaatctac caggctcctc 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

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<210> 489
<211> 450
<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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<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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<220>
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<223> n is a, c, g, or t

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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

<220>
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 <222> (306)..(306)
 <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 ttaagtgaag 240
 tatgcacctc ttcatgacta gcaggaaaag cttccttagg taccaacanc ccacgactct 300
 gcggantcag ctgcatactt aacctggaca cttccactgt aagcttcaaa aggcaactac 360
 atagtgcataa aagcagacct taattctttt gaaaaaaciaa ttttattttg gctttgtaag 420
 actgtgaaga cttctgtttg ttcactagta 450

<210> 490
 <211> 349
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (52)..(52)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (102)..(103)
 <223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<400> 490
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aacttcaact aagaaaatgc ccctaccaga ttggcccgtg gnnaagcctg tgggtgggtgt      120
acttcttgac ttatnattaa cgnggggaggg tccaccagtg tccttgagag tggtgccatc      180
ccagggcagg tggtcctgcg tgctataaga aagcaggttg accaagccat gaagagcaag      240
tcagtaagta ggcccctctc cacggcctct gcttcaagtc ttgcctccag gtcctgccc      300
tgagtttttg gcctaccttc ttttcctcag tgatggtagg aaaccttta      349

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<210> 491
<211> 384
<212> DNA
<213> Mus musculus

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<220>
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<222> (40)..(40)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

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ctacgctatg gagttcctcg gagtgatcag gtcagagatg cggccaaggc ggtaggnatc      240
gctggagtgg ncttinnnnc ctgggnccn nttggantca tgnntntccag aaacaagaaa      300
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 tntctntccc tncnagtttc atacctncag attcaaccaa ccacagaccc naaacacttg 180
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 atcatcagcc cctagataag tatactctgat acttttttaa acttcaaatt caatcttaga 180
 gaccataag aggcgtggcc acctcttgac agttgttctc agacttcctg tgccttggtg 240
 caaacagacc cacagaaaaa ttaatgtaat tggagggagg gggaaaacat ggtttctcta 300
 tgtatagctc aggcttgcc ggaactcaca aagatccacc tgcccaagtg ctagaatcaa 360
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 aggagacctt ccatcttacc cacggacaaa atatctacaa ctgaaaagcc tatgaatatc 180

actgcctctc cagaggggct gagccctcca ttggttttg ctcacagca ctatgccaag 240
 gggaatctgg tccggatatg ccttggtgcc acgattataa taattttntt ggggcttcta 300
 gcagaggatt ggcacagtcg gaagaaatgc ctgcaacaca ggatgagagc ttgcaaagg 360
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 gacatccatg cacaacatg gacatcacca ctagagccac aga 463

<210> 495
 <211> 345
 <212> DNA
 <213> Mus musculus

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 gagaacaacc ttaaaatcat tgaaaaactg taaaaaaaca caaaacaaa acaaaacaaa 180
 aaaatcctaa aataataaaa gcaaaaccta aaaccctaaa aaaccctaaa attattaaac 240
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gtgaagggtt tgtgtttttt ccttatagac gcagagattt gcttcct 167

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ctgggtgtgcc ctggaactca cagcacatct tccagtacca agacaaagcc tattttctgcc      240
atggcaaatt cttctggcgt gtgagtttcc aaaatgaggt gaacaagggtg gacntgagg      300
tgaaccaggt ggacgacgtg ggctacgtga cctacgacct cctncagtgc ctttgaacta      360
gggctccttc tttgcttcaa ccgtgcagtg caagtctcta gagaccacca ccaccaccac      420
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gctataagat acgtaagcaa tgccatagct ttttcatgaa ttatttgact attttagaat      180
aaaactaatg tttcaacctt gtttatctac ccacttgttc taatgaccta tagactcttt      240
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tattttatgt aacctgtgca catgcatttt tatcacaaat aaatatgcaa tctttcacat 180

gtgtttataat taagaagaaa gagattttaga atgagtgtgg gtttaaggag naggggaacaa 240

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tacaggagga agtaaatntn tccccttaaa gttncagat ttaacaagca tgaatacatg 420

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tgaccaacct agtagctaaa aaatacatag ggtgagctgt ttcaaaagtc atatttgctc 240
aagacaatca acccttctct tttttccac ttaggtatct tcttttacat accttgaact 300
agcaatacaa ttttaaaatc accaactgaa ttttgtatct attttaagtn atatatgtaa 360
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 ggggggggnnn catttctacc caccctgctc tgaatagctc caacttcacc ttaggagcct 180
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acaagggctg aattgaagna cactgtgggt gatatgagat ttttttttng ttccatcaca      300
tgtgantcat gtnaaattna acttnacctn nagaaccatn gtncttgaat tattcactnc      360
ctntcagaan cctcagtgtg ncctaagata ntcctattna ccattgtgaa gttntcagac      420
tagtgaaaaa aaataaacct nagnangca attcagttag gaatacattt ttttaaatat      480
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aaacaaaatt ccaaccacgt tccatgccat cgggtgttcgg acttactaaa ataggtagnc      180
aaggcacgtc gtagcgcagg cttataaaat tcggtcatta acgttctcat taaagtaagc      240
ggagttgggc gaggatccca aanccgccta ccnccgcgc tgcaggcggg aaggcgcctgg      300
cacttcacag gctggtcctt aaccacagcn agtgcggctg aagaactccg tggacgcgtg      360
cgcgcggtggg tnccgcntct tggcttgtga ctagcgttag gaaattaccc aagattattg      420
cataatcttc accagcttgc tttgattctt ttttatgttg gaagttttgg gttgttgaca      480
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cagcaacgta gaaaatttgc agctgccttc ctggcattga ttttcatctt ggcagctgtg      180
gacactgctg aggccgggaa gaaagagaaa cctgaaaaaa aggtgaaaaa gtctgactgt      240
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gagggcactc gcactggcgc cgagtgcaaa cagaccatga agactcagag atgtaagatc      360
ccttgcaact ggaagaagca gtttggagct gagtgcaagt accagttcca ggcttgggga      420
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agtttgagct ttttgggagg gggatttctg ttgggttttt aataatttct tgtgtgtgta    180
aatataatat caacgaaatg cgcgatgcga agctctttgt tcacntgact cccccctccn    240
tncnanncc cncgtgtttc ntntgnntc gttncctcc cacacacaca cctttngcca    300
ccgttaacac gagggncaaa ccccttcacg cgcgntccct ggcgcgacct gcattacnac    360
gtgggcttta ctgncgcctn cctcctaacc ttccacctnc ttncncnct ncccctgcag    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 tnnnnnnnta ttgaagaana taattttcta 360
 aggggtactcg tttcgtctct ctngacantc ttgcttgtaa tntccccaga gctcccccat 420
 cagtgttcct aactcctttt tgttatacac cccatccatg atcatgtctg tataactctt 480
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<210> 515
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 caaaaactag gtatttttag tgacctgtag gcagtggcaa atacagacat gtgaaccttg 180
 aatacattac atttctctca aacacaaaga aacaaacaaa aaacttttcc agcgtgttct 240

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ctgctgccct ggagatgccg tcaccttcca cccgtgtctg tgtgagttgt ggtgtcttag      300
tgacttagta tgtagctcac tccttattct gagacattgt ctgtggtgtc cctgaaacat      360
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 tatagagtag tgtttctcca tccttcaatt gagctcaaag tgacttctat tgtacctttg 180
 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 tntntacnt ctggctcttg ttaatcacca tntccccngt 420
 ggtttntcna tcagtacaat tntntgttgc gttaatntag agctatgcac anccaaattg 480
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 agctgtgcac atgtggacac tcaataaatg t 151

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 <212> DNA
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 ttccacctgc gcttccttga ggggaccaga gagcccttgg tcccagggtct cttgagcttt 180
 tgtgtcatgt tgcagcagag tgaagatggg ggggttggggg ttatttattt tgcttgtcct 240
 tatccctgct tggacacctg agcatcagat ccctgtgccc ctggtgccat ctggcctggc 300
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cagaggctgc tcctgccccg cgccgcctcc gccgatctgt ggaccaggat ttgggtcccn 180

gaggtgcccc ctgagagaac gtactggggg cntngctacg cgtcaaacgc ctggagaacc 240

cctcgcccca ggcgccggca cgccgcctcc tgccctccctg agcgctgntg catcctgcac 300

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 agagagtagc tgttcacctt gaagacaggc cttagtgtca cgcaggttta ttacagtggc 180
 atgatggtga cctgtgcang tctactgagct gtaggagtga ggcatntgct gcacntccct 240
 ntcgtactta gagacctgnc cggtgcccnt gcgcgggncc tccccaggac aactgacgt 300
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 gcgatgactg ttggcccctc tcaccaaga acaaccact gttaggattg catggacatt 180
 tccttaggtt gtgccagcg agatgatgtg atggccattc tccccacca gctccccag 240
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 <211> 88
 <212> DNA
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 gatccgtatt acctattgtg aacctaat 88

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 tcctgttggt ccagcaaaaa caatatagct tacaactaa ttcggcggtt aaagggttac 180
 cagcccagaa gtattaggat gtgctgaatt tatagtagtt aatcccttag aaatgagtaa 240
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 <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
 gattatcagg gtgaaccatg ccttggacct ctacaacact gagatcctca aacagtctga

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ccagatgaca gccaaactct gctaaccgga gaccctttgc catggacttt cccttctgtt 120
gtgcaaatac aacagaacaa aacaaagcaa aacaaaagag aacatatata tacatacaca 180
tacagacaga cagacagaca cacacacgca tacacanaat ttgtaaaatg taattagtat 240
tcaaaggaaa ggaggaaaaa acttcatttg ttggaagcta acgtnttcta gcgactgtat 300
aaaaccntgg ggcatntctc ttantttctat attcnntcat gaagaaggnt ctcagaattg 360
tgtgaagctt tgagttggtg gcttctttgn cctcaggtnc tgtgtgatgg gggggagaag 420
gggagagcat atncaatgaa ttgtaaagac ctntnctgtg caggtgctaa gattaaacac 480
taaaagagag agaacaagct atatgtaatg tacctctgac ac 522

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<210> 527
<211> 543
<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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<220>
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<222> (330)..(330)
<223> n is a, c, g, or t

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<220>
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<222> (433)..(433)
<223> n is a, c, g, or t

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<220>
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<222> (471)..(471)
<223> n is a, c, g, or t

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<400> 527
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gactactacg tgcctagagg aggtcgcagg cggttccggg ttccggcagcc catcgtgcac 120
tacagatggg acctgatgca taggggttggg gagccccagg gaaggatgag agaggagaac 180
gtacagaggt ttggggatga tgtgagacag ctcatggaga agctgaggga aaggcagctg 240
agccacagcc tgcgggcggt tagcactgac ccgcctcatc atgaccacca tgatgagttt 300
tgccnttatg ccctgagtcg tgagcttttn tctgaagatg acatggggac ccctgctttc 360
aaaacttaca tgtttgtgat gtactgttgt aatatttctg gtgtcacttg tttcccatg 420

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```

gggctccaac ttncgtccag cttctaattg aaacttgtgt tttcgactca ntcttacatt 480
tctttttttg ttagcagaat ttatctattg catgggaaga tgctcagtat atattgtgaa 540
cct 543

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<210> 528
<211> 551
<212> DNA
<213> Mus musculus

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

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

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

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

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<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

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<220>
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<222> (493)..(493)
<223> n is a, c, g, or t

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<400> 528
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cccaaagtgt ttaaagtgtt aaattacctt atagcatttt agaaatataa ttacttgaa 120
gagatgtaga atgtagcaat tctgtaaagc atgtgtatcc agtgttgcct agtttgacct 180
ttgtgaagtc tttttgtctt gtagctttta gcaagtagct gtgaaaacca tcagaactcc 240
tcaatgaagc taatgtttgg aaaaagtata tacttgaaga acaaacccaa gtgtgtaccc 300
ccaacccag ctcagaaata gaaagggttt aagtttgctt ngatttagct gtnccctcat 360

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tatttttgcta tgtaaattgtg acttaataaaa tgggtgcnaaa attaaatttt attgcttgag 420
gacagacggg cataaaggaa gggaaaagac atttaattgta aaggcctnta gcttctttgt 480
gggttttgag ttntctgtga accaatgttc tgtaaagaaa cacaaactta aagttgttta 540
ccactgtggt g 551

<210> 529
<211> 204
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<400> 529
gtgaactata gaacatcaac tctgcaaattg gtggatattt cttccaagac cacagccttg 60
actgggaaga atatcaatnt ggggggggggg gggtcaggaa cagaagagcc cacaatatcg 120
gggaaagcta agtgagccag ggtatgaata tgagcacctg aacaaaaacc tggagctaaa 180
attcaaaaga ataccgacca gaga 204

<210> 530
<211> 346
<212> DNA
<213> Mus musculus

<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

<220>
<221> misc_feature
<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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<221> misc_feature
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 <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> (295)..(295)
 <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> 530
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 attctcgctg tctatgactt agcaggccaa tccccaaagc actctcctgg tgtctctaga 120
 gtgtgatgtc tgttctgttg aaatgaccag tgagtgcacac ttcacatgat cactgggttta 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 tgccctgcacc tcctgcatgt cagaggcctc 120
 acattttctc tctgagggaa tcacagccaa taaacagt 158

<210> 532
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 532
 atcttgacag aaaggccagc ctgggtcttcc cataaccctt cctgtccaca gtaaaactga 60
 attaagtgtc catgagtttt gggccaggtg tgtggccttag cattgacctt catgacctta 120
 catagctctt tagagaagcc ataacaatta gactgcaata ctattcagaa tgccctctgc 180

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ccaaagagat gaagcatgct cggcccacag taccttgctc acctgggcca ttctctgcgc      240
ctctggctgg ttttcatgaa ttgagaagcc agctctgagc agatggccct ctcttga        297

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<210> 533
<211> 508
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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

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

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

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<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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

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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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<220>
 <221> misc_feature
 <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

<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 tncnagcac ctntctgttt ntctgagct gntctttntc atggttgncc 420
 cccctctttt tctgttttcc caaatcttgc tgcttccggg agctgaagat atctatgaca 480
 ttcacatgca tgcattcctt tgtgtgcc 508

<210> 534
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 <212> DNA
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<220>
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 <222> (197)..(197)
 <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> (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>

<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

<220>
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 <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 agatgctggg agcacagggt gatgaatgcc ggtatgtata gcactcgga 180
 ggttgaagca agagganttg ctgagtctgg tgaccgggat ggcagagtca gacctcatct 240
 cagacagagg gtcatccttc aagtcacccc actccnacnn actgctcagt ggggcacctc 300
 tgtggccctg gggtagtgtg gagaggttcc cactcatacc ttagcaccgt ccagtgttga 360
 tggctttttt ggcnttngng ggggnccctc cttttntccc cacctgcagt cagtgtttgc 420
 agtnccaccc tcacctgccc attcccagct atttatttat ttattgtgtg ccagtgaagg 480
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<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 gcatgtttctg ggcagatgac atagcctatg	180
agttaatgac caaaaagggtg gagcacctca gcagactcca cccccagtat ccatgcagga	240
aggatatgaa ggcagtttcc cccacggcaa acgctggggc gaggagcaag caagaggaga	300
aacttcaact cttatctccc caaaagagtc caacagtcaa ggtgaacagg gaccgatgct	360
ttaccaccaa agtaatccca aaggccacca aacaagaggc caccatcct accaaggggtt	420
tctttgggcc attccccact gtgggcctca acctgtttgc tgactgagat ctcgttgcac	480
aagatccctt tntccgggaa cctcctcaat gccctccaat ccaaggggca attcttggat	540
gacccaaata	550

<210> 536

<211> 423

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (375)..(375)

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

<400> 536

tagcttttct catcccctaa aactaaaagc aatggaccac ttgtgtccca gcaaaccag	60
ctttgcattt atccatgtag tttagttccc cctacaaaaa aagttacata tcaatggatt	120
aattattttc attgtcatag caagggggcc acgtgatcag gaagtagcat caagtaagtt	180
tcagaccaac tgtcttctgt gaaagtttat cctagtaa atgtcacatttt gcttttctgt	240
ttcaataact gtatatgtaa aaaaaattat tgaaatgaaa accctagact ataaatgtat	300
ttataataag atatggatat ttccttcagt agactgtaac cataacttca attattttgt	360
tccacactgt ttttnatata 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

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agaggcctcc aggtaaagcc cagaggccaa ggaagtttcc aggacagccg gacagctccc      60
gtagcaacct ggttccagca gcctcggctg ctggctgctc tcccagcact ggggttcggg      120
gggagggggg tggccaaggg gcgtttccnt ctgcttttgg tgtttgtaca tgtaaaagat      180
tgaccagtga agccatccta tttgtttctg gggaacaatg atgggggtggg agaggggaca      240
gtgagcgtgt ggaagaggga ggtgaagatg agcccaagga cattgtgaca ctgtccactg      300
actgcagact tgggccaagg cccccgcttt tcatggctct gcctggacat ccggcctcca      360
ggttccgagt ggagagaaga tgagaactgg ggtagaagtt cagagtgaag ggcagagtcc      420
tggcgggggtg gtggctgcag ggccagcagg acaagcccgt ctggatggag tgagacctgc      480
cctgcagcgg gtgggataag gtctgtgtgc gtctgttcat tgtcatcttt tga          533

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<210> 538

<211> 501

<212> DNA

<213> Mus musculus

<400> 538

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tgtggaagct ctagtgtcct ggccacttgt ttgcttgac actggtgaaa agctaagtac      60
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
cttgatatca cttgtgtctc ctgggcccct gatggagccc aggcgttttg cagaatgaat      480
tggtcactgc atcctttatg g                                501

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<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

<400> 539
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 aggagttctc caagaacaca gctttctcac ccacagttca ggcttcctgg tgacaggtga 120
 ctcaggtgca gaggaagtgc aaatgaaggt gctaaatctg ctcatccctc actgggagct 180
 gaaancggaa acctatgttt atccactgga ccccgcnag gcccnagcc atagaacctt 240
 actgtagatg cctaaaagca tacaatcact gcagaggaca agctagtgtt ccagacaccg 300
 ctccccagcc ccctccgata gagccgagtc accacacacn cacnnnnnng tctctcatgg 360
 gcacatgcct tccactcttc aatcccataa ttcctttctc gcaccaaga ggaaggaaca 420
 gagtttagtg tagcatcccc ttctagccac gcatagaacg tatgcccttt agctagctct 480
 tcttacactc tg 492

<210> 540
 <211> 313
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n is a, c, g, or t

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<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 ggggtgtccct cccccaaagg aaaggcagaa acattcagga    240
tccaggaggg gtatacacac ttctcccacc tcacggagggc aggctggaaa gtcagctctt    300
tctgcacca act                                                         313

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<210> 541
<211> 311
<212> DNA
<213> Mus musculus

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

<400> 541
gcaagcctca ccagtgaac aaagtcaccc ccaagccccg tgaccctcag catagctcgt      60
ggcatgccaa ataacttctc tgaaatgcct cgacaaagca caaccctcaa cttacggagg    120
gaagaaacca ctgcaaattg aaacactcgg ccaccttntg cggctagtgc ttggaaagta    180
aatgcctcgc tccttttaat gctcaatgct gtggtcatgc tggcaggctg agggctctgca    240
gtttctgaaa cgaaggagaa ccttcctcca tgatgtacag ttgggaaaac gtgcccttat    300
ctaaccagtg a                                                         311

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<210> 542
<211> 397
<212> DNA
<213> Mus musculus

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

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<220>

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

<400> 542
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 gtctctttcc tgaggatctt gtgatgggtt cctgttgggg tatggtcaga actggactcc 120
 tggcacctcc aactctgcta tttttcagta ttaccctaaa ataccctaac aagcagattg 180
 gatgatgcca atgtgtttct atagagacga gtatgctatt ctcaaataag aaacccaag 240
 gtggtgtcaa ccttaaaaag catttaaatt ntcaaacagg aaaaacggag ccccagatcc 300
 ctttgttcct tgcattttca tttaatctga aaatgtagat taggcagagg agaagggaaa 360
 gtctgactnt ggtatttctt 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

<400> 543
 gtcacgggca tgagtgtttc agtgcttacc atgggtgtgta taagccttga actatgcata 60
 gaactggagt ttggggagtg ctggatgtgt ggtcatgctt gggtgaggct ttagtgtatg 120
 tgtttacata cacaagcaca gtttgtttgt ttgcttattt atttatttat ttatttattt 180
 attnnntnat ttatttattt ctcagctggg cagtcagcca tctcctgtaa ctctccagtc 240
 tgaaagtgac ctaacttgac aggactaggc acccctattc catgtggctt cattccaaga 300
 tgaccagga tggggatttt gctagcatgg gaaggggaac agaaaagggc cttagcaatt 360
 gcttcattcg gtgcactaa 379

<210> 544
 <211> 366
 <212> DNA
 <213> Mus musculus

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<400> 544
ttccagcccc tggttaggaa tctgggcacc ccaggtagcc cctcacttag ccaggacttc      60

tcctcttata gcagcaaggg agccctgggt cccagggatg ggctcctgtc tgggctcctt      120

gtctcccagc acccgctttt ggggaaacaa cttttcctct tcgagctgaa ccactctgtc      180

catattacac agaagccata tttgtaccag gggggcgggg ggagaggggg ctgtttgtgct      240

gtgtgtgtct gtctgtgggt gggggtggga gtgggggaag ggagcaggga ggggaccgtg      300

tatctttata atctttctaa ctctcctgtg ctaatctcag agggaccacc ctcaatatat      360

ctggat                                          366

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<210> 545
<211> 508
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

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

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

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<400> 545
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actgatTTTT gtgtggactg aacacagtca gctgacaact ttaataacca ggaagacgga      120

ttgatggtca ctagcttggg caacgtctgc aaaatatgag actatTTTcc acctgggaaa      180

aaattataac cacaaaaaca gagagaaaga aatatctaag tgattgcaa gattatgcca      240

aagcctgttg gcagagcact aagagacttt tatttttaag tcntgctatt ttcacagatt      300

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tatggtgatac atgtgactct agggatnccg atctatgtnt ccttccaaat acagtgttta	360
catggagtat cataagagnc cacctgggga accaggacag cagcaggga attgagtgat	420
tagcaatttg actttgaata tnttctaagt atttaaata aatatcaaaa tatacagcag	480
caagtagaca taactgctgt tcctgaaa	508

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

<220>
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 <222> (125)..(125)
 <223> n is a, c, g, or t

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tggngtggac cacacccctt cccgccattt ccagaccctt acctgtactc cccagtgtc	180
cccaggggcc tcttgatgct gcacgggacc ctgcagggtc cggtcagtga tgtgttttgt	240
ccccagttaa ccgccatcca gcgacctggt tccaggagga gctcagggtca cccccaccac	300
cgccgccact gcgtctgccg ccctaggctt tcagacatca ttagttccga cacttgtgaa	360
actccgagac gtgccgtggt ctgagcaatg cacctgtttt atacatgatt gtgtaattta	420
aaggtatata aatacaata 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 tcacctgag	120
caagaagggtg aagtgcagga aggcggattc cagggtctgag agcccaacat gcaaactctg	180
taagtcggaa ctgccctcct cagcccctgg aggtggcggt gtgtaggata ctctgcagat	240
ttccactgct gtccttgccc agagtgcagg aaccagagga cccagagaag gcggtgggga	300

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cccagcctgg cgccagggag tgtgccccca atcagccgcc agaccacccc caaggccgga      360
gccaatgcac cccgctctcc ctccccaggc cttggcaaca acgatcctat ttgtacccta      420
gaccagaga ctcaggcctc cagctcctgg gatccaggag tccatcccca gt                472

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<210> 548
<211> 344
<212> DNA
<213> Mus musculus

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

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

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

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

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tactccgggc gagaggggtga caagcacaag ctgaagaant cagaactgaa ggagcttata      180
aacaacgagc tctctcactt cctggaggaa atcaaggagc aggaagtggg ggacaaagtg      240
atggagacgc tggacgaaga tggggatggg gagtgtgact tccaggagtt catgnccttc      300
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<210> 549
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<212> DNA
<213> Mus musculus

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

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 gcgccnngan aggcagctgc gggctgtgct ccggacggac ggcgagcccc gagcgcgcct 180
 gggcgncant gctagcgcga tacatccagc aggtccgcaa agtccttctt 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 tttagatc tttttattaa gtccccaatg tgaaatctgt 480
 ccagagtgtg caatgcagcc acatctcagc ctagctgtgt ggtcggaagg cagtgtttcc 540
 tttagtgact ccagaccta atgttgctat gcta 574

<210> 550
 <211> 225
 <212> DNA
 <213> Mus musculus

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<400> 550
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agaaaggact cattcttagc tttagggggg ttcctgtcac tgaatcgagt cgctgccctg      120
gatgcagggc tggcctgggc gacgctccag ggatgaggag ctgagaaccc cagtctaata      180
atgtccatcg acacctcctt atccctctaa cgtactatgt ctttt                        225

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<210> 551
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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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<220>
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<223> n is a, c, g, or t

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<400> 551
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ctatgtttct acagatattc tcagcatgag gatggcttca catggctttc tctcagtact      120
cccntttatg cccacgaccc tgtgtataca nnaaatgatg atttgtctgt ccaggtctac      180
cctctgcttg tcccagaacg ccattgacat tgactttggg ttgggttttta tcttgaccac      240
actgtacagt aacatccaag agcccttcct acagtgggtg tttttttttt tttttttttn      300
ngncttttta caccttttct cggtcagtga tgatgtttgt ccctgttcaa catgtanccc      360
tgtaacagaa gcccatcaaa ttaattcaga gtgtcantct gttntcccta ttgtaggtga      420
aatagtacg tagaaaacct agtnttctga atgcttttcc atgtagactt tttctggaat      480
gtgaacacga ctcttcagtt a                                              501

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<210> 552
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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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<220>
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<223> n is a, c, g, or t

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<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 tctatittaa 300
 cttatgtcct aaaagaagaa tgtaatttgt ttacaaacct gtagataatg tctttggcta 360
 tttgtgtggt ttaaggacac tgggtggcaa gatgcttaca aacagctcgg gcccaacaga 420
 cacatcccct ggattgcac cttgaagttn tacgantagc catgctctga tttttgcctg 480
 c 481

<210> 553
 <211> 511
 <212> DNA
 <213> Mus musculus

<400> 553
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 gtccccgccc ctccctcccg cagatttgta cgtattactg tgtctcgtgc tgtcttcgca 120
 aacgtggtgt acgcctgccg caggtgtcct gtgcccttct ccctccctga ctctagagtc 180
 tctctttctc ttagttctca ggcctctccc ctgctcctct ccagtgaacc ttttccctta 240
 ggactgaacc aactagcac cggttgattt cttctgtagc gcttctccca tcccttctc 300
 cggtaagca atgctcatgc ttcaggatct tgtttgtcga acatgtgggg tttcctttat 360
 gttatttata taaataattt ctcaaattga tatttaaaaa aaagctagtc tgtcttgaaa 420
 cttgttaact tgaaactctt gaatctcagt gtttaaagta tggaagcaca accgtgtacc 480
 gctctgtacc gtcctgtact gcagcatttg a 511

<210> 554
 <211> 171
 <212> DNA
 <213> Mus musculus

<400> 554
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 gacaaatgca agtgcaaggg ctgcaaattgc acgaactgca agaagagctg ctgctcctgc 120
 tgccctgccg gatgtgagaa gtgtgccaaag 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

<210> 556
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 <212> DNA
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 <223> n is a, c, g, or t

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 cgactacctc caggcctccg ccatcaccgc catccccagc taccgctacc gctaccagcg 120
 ccgcagccgc tccagctcgc gctccaccga gccctctcac tccagagacg cctcgcccgt 180
 gggcgtgaag ggcttcaaca ccctgccgtc cacggagatc tccatgtaca ccctcagtag 240
 ggacccccctg aaggctgccca 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

<400> 557
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 gtgccaacac cagcccctca gggagggttc tagtccctct ctaaaggctc agaattggac 120
 agttaagcct tctgccctgt cctgggaggt gatgatttaa gaatcctaaa aggttcaggg 180
 actctattcc aagctcaggc tgggccccac tggatggata ctcacgctcc acaccaaagc 240
 aggacaccct acggctctcc ggcattccctc tactctgagg agggagagcc cttccttgaa 300

gtttatct

308

<210> 558
 <211> 510
 <212> DNA
 <213> Mus musculus

<400> 558
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 ccaagttcgc gcagcacgcc ttccgcacct tcgacaagaa cggatgatggc 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 acaagatfff cagcaagatg gataagaaca 360
 aagatgacca gattacactg gatgaattca aagaagctgc aaaaagcgac ctttcattg 420
 tattacttct gcagtgtgac attcagaaat gagctgatgt cgatgctatg gactgcacac 480
 aagtcttgat gttccattca gtctgcagct 510

<210> 559
 <211> 439
 <212> DNA
 <213> Mus musculus

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 <222> (34)..(34)
 <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

<220>
 <221> misc_feature
 <222> (299)..(299)
 <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> (366)..(366)
 <223> n is a, c, g, or t

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 aatgcagtat acaacttaaa aatcctgctc aactactcat taagtataac tacatatcta 180
 tagacacaaa ggtattatatt attgaaagta aaaacataat aatgggaatg tattgatttc 240
 tgtttgacgt ttcaaaggct tccagaaagg tggcaataga tntcccaaata aaatttctna 300
 tagtcgattt acttccctaa ttattaattt atagttttca gctcagtggt nataggggtn 360
 agctanccat aacttactaa tctaccctgg aatttgcaga atgactggaa gtgggggaaag 420
 tcactgtcca acttatcat 439

<210> 560
 <211> 372
 <212> DNA
 <213> Mus musculus

<400> 560
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 agatctcagc ctctgtttct acctgggact cagatcttct ggtagcttaa ctatttcagt 120
 cgaaagagaa ggtctctaaa tccgagatga tgtgctacta gtaataaggg gaccctgttt 180
 ttaagtgcac gaccaagctc tctgcaagt gacatgctta ctctctgcaa atggacgcgt 240
 attgcgggtg tttgctacct cctgccctcc tcatggtttt ggttctcctg ctgtggtagg 300
 atgcttggcc agcattgtgg cttgtcatgc cagccccatt gcctaccttg tcatgctcag 360
 aggtcctact gc 372

<210> 561
 <211> 329
 <212> DNA
 <213> Mus musculus

<400> 561
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gagatgagtc agaaaatggc caaggagggc cccaggctct ccaagaacca gaagttctcc 180
gagcattca gcatccactg ctgcccaccc ttcaccttcc tcaactccaa gcgtgagatc 240
gtggaccgca agtacagcat ctgcaagagc ggttgctttt accagaagaa ggaggaggac 300
tggatctgct gtgcctgcca gaagactag 329

<210> 562
<211> 419
<212> DNA
<213> Mus musculus

<400> 562
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gcaaactgag aactataaaa atcaagtacc gggcagtaaa tgcagtatga cgttctgggc 180
ctgaatattg acatcccaca gtcctgtatt gggtattgct taataaggag aagccacaag 240
atctcacact ttttctataa tgcaatagga tttaaaaatg acagcagaac acaaagacac 300
tagaaattgt cctgtcagaa ataaaagtat aagaaataat tcctggcttg aggaaataac 360
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<210> 563
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<223> n is a, c, g, or t

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

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 ggaggcgagga ggtngagata caaagtgnng agaagacacc tgtgttaaga agctcactct 180
 ggtgctcatg accaggaggg aaggagcggg ttgcttcaat ttctnggttc ccaagggcca 240
 cacagncccc agcaggcaga aaggcagtca tggcttgcca cactcgctca ggtcaancca 300
 gnctgaagnc tgaggccttg caagnagtcc agctccacn ngnaggtggg tgtctgaggc 360
 cagccaacct ccagagcacc tgtgcctggg tcgggttata gaaaggttgg gagctctagt 420
 gccaccccca ccccatcca ggggccatgc catactggct gtcctggcat tgcctacgaa 480
 ccaagatggg ctctcggtt ttgtgggggt cctgagtcag aacctagtaa ccagaactga 540
 tggaccaaga aatctgtcca cagctcagga a 571

<210> 564
 <211> 72
 <212> DNA
 <213> Mus musculus

<400> 564

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<210> 565
 <211> 405
 <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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 <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

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 ctcaagggtgt aagtgcenca ggtagacaag gaactccaaa atgcaagcag tgtggcagaa 120
 acagtcnctg gctgataatt tattatactc agaactgtgn cttgtttttc tggggaagtg 180
 actcagagct tttttgatgc atagttgaga taccacata tcaaggcaga gaccccgag 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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 catacatccg tgcagcagga aagaaatana cantganccc acctccactc accccagcac 180
 acctntntccc aagtntntggg gcaggagccc agctntgcag tttgcaggaa gcactagcgt 240
 ggggcaaagg ggagagatgc tgggtgtggt ntntgaaaga taagtgatgg antgctgtag 300
 ccntgttggg gacattaaag ggcattggctn tnttannnnn nnnannnnnn ntttgagcag 360
 ccaggagcag tctgtctggg cctgatgccg ggggactgac ctaaggggtg gtgggaagac 420
 ctgctntnnn nncnnncttt agtgcattctg gccccagctt gccccttggg gtgggtgacag 480
 tgagcagctt tccggaaaac tgcagtgggc tctaaggaaa cattgccctc acctggccag 540
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<211> 377
 <212> DNA
 <213> Mus musculus

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

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 catacatccg tgcagcagga aagaaatana cantganccc acctccactc accccagcac 180
 accntntccc aagtnttggg gcaggagccc agctntgcag tttgcaggaa gcactagcgt 240
 ggggcaaagg ggagagatgc tgggtgtggt ntntgaaaga taagtgatgg antgctgtag 300
 ccntgttggg gacattaaag ggcattggctn tnttannnnn nnnannnnnn ntttgagcag 360
 ccaggagcag tctgtct 377

<210> 568
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 568
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 gaatgacaaa ctgggctacg gtccttggtt tgagcatggt caggaattct gggaacatcg 180
 aatggatgcc aacgtgcttt tccttaagta tgaagacatg caccgggacc tggtagcat 240
 ggtggagcag ctggccagat tcctgggtgt gtcctgtgat aaggcccagc tggagtcctt 300
 gatcgagcac tgtcaccagc tgggtggatca gtgctgcaat gccgaggccc tgcctgtggg 360

tcggggaaga gttgggctgt ggaaggacat cttcacgctc tccatgaacg agaagtttga 420

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<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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 tccttaggtg catttagatt ntcagagtta acctgcgtta aaaaaaata aaataaaata 180
 catgtatata tttaaaaaaa aaaataaggt ttcccnttnt nggcaaacag cannttacac 240
 gcttntttcc tgtgctactg tagcaaacca cagcattgat gagaaggcat gcggactgtg 300
 nttcanttca cagtgtttac ccgagcactt aataaaatgt aaggctggta tttatttgaa 360
 gttgtacagt atgacttaat tcacatctgt tggaatagaa aatatattct gttgagtatt 420
 taagaggctg tacatgtttt nttttgtgtt tggattnttt gtgctttttc atgttcggta 480
 cat 483

<210> 570
 <211> 325
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 <213> Mus musculus

<400> 570
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 cttcctcgca gaattcccag aattttgcaa cttataagga aggttacaac gtatatggca 120
 tcgagagtgt taaaatttag gggatgacct tgagcgctgc cacgaggaaac aaggcaaggc 180
 tgtcaattac aggaagtact ggagaaaatg gacgtgttat gactccagaa tttcccaaag 240
 cagtgcacgc 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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 <223> n is a, c, g, or t

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

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

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

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

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

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gggctgctgc cttcatttag gaggctgaga tttagaggga agatccaacc tggtagacta 180
ccccgcttgc agcgggtggtg tcttctctgt ggatggatag aaagagaaaag 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

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<210> 572
<211> 462
<212> DNA
<213> Mus musculus

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<400> 572
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ccctagtcct ctccctcagc cctcgaatat ccattccagc gtactcaaca cacctcttcc 120
cgaagaggaa ctccagcagc cctttggagg gtggtttgcc taatcagtgg gttagaagga 180
atgcaattag gtcgtcacgt cattcgtgga gatgagtctt agggcgcatg ccactctccc 240
cgctgctgct tcaaacacaa agacagccat cagaagccgc ccgggaggct tgctgccagc 300
aggggcacct ggggtgatact ctgacactgt cccacagta gaaggcaaat catctcctag 360
tcttgccgtc tgtatacctt gtttgggggtt ttcacccctg gcttattttg tggctttgaa 420
agagtgaatt gtgttgtgaa actgtgattc ccgtggctag ta 462

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<210> 573
<211> 176
<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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<220>
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<223> n is a, c, g, or t

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<400> 573
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tcaaantctan atagtgtggt gacatgtgag tccagattac tgtagactc cagaaattgt 120
tagcatgaac ttgaaatgga aaaatcataa tctactgaagg acttaggttg tttatt 176

<210> 574
<211> 454
<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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<223> n is a, c, g, or t

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aatgcatgtg attgacagct tcaaaacaga atgggttctc ccatgggggc tccagacatt 180
gtattttcct ttgtgcaata tgagggaact gcatgcaagc tcagggtgcc cccctcctca 240
gtccttggggg ggaattcaaa tgcattgatcg tgtatgtacc tagggaattc gccagtttcc 300
tgantgttg gaagaggggc actcgggggg gatntcttga gatgtattat gcagagtacc 360
aactgancn aaaataataa gtgaaacaga actctcttan ccttaagaaa gctatatatg 420
aatacttacg tttacctcac tgggtgcatit aaaa 454

<210> 575
<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

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

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 cgaaaactta tttnncccc ttnctctcc ttttcttgaa gcttctgcta gatgnanant 180
 tcaactgaaaa ttcagtcagt cacaaactgg aagaattgta aaagaaaaaa aaagtatata 240
 tcacnaagta cacacanggc ntcnacactt atnaactaat aaattggcac agaaggtntc 300
 ntttcaccct tgtatccaca ntctgaanca agcaccatt 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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 actaccctat ttattattgt agctatttat ttatttattg aggatgtgcc ccgagcgcac 180
 ccccttccca ccctgtacat agctccaccc agctcggccg tgggtgtattg 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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tcaccgactt ggtgttcacg gaggagggga caccgaatta cacagaggac ggcctgggtca 180

actttctcaa gatgagaatg atctcccata ttatccgaga gattcgccag tttcagcaga 240

ctacctaaa aatcgacccc cagccaaagg taattcagta cttactggat gaatctttca 300

tgttggacga ag 312

<210> 578

<211> 235

<212> DNA

<213> Mus musculus

<400> 578

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ggacagaatg tcataggcct gcagatgggc agcaacaagg gtgcctccca ggcgggcatg 180

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<210> 579

<211> 454

<212> DNA

<213> Mus musculus

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

<400> 579

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agacaagtca cataatccaa acacaagtaa atggngctgca aaagatttga gtaactgctt      240
ggacttgacg gccttaaacc tgctgttcca gctttaacaa gagcatctta cctgggcgat      300
atttgcccgt tctggtgtga cttgtgtgac tccaatgctt accagctgtc actgaaacta      360
gtgctcttcc tcnttctgca gtgtgtggag acagctttct ttgttgaaga tgtgaatggg      420
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<223> n is a, c, g, or t

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gacgcagccc ctggggccctg gctggggggc tcctgctcag cctggggcct gctcttctct      180
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cctgttgctg cccctcccca gcctggcctg gctggggctg ggacagcaag ggtttgcat      300
caaggtctga ggctctcaac ctccctagat gtgagtganc cttctccgtt tctccaccag      360
ctccatatcc caagcagctg aatatctcca ggagtccaga catcctggca ggaa           414

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<210> 581
<211> 473
<212> DNA
<213> Mus musculus

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

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

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 tcggcggcat ctgcagcgtg tccggcttcg tgcattcact cgaggganng ntcgnnggct 180
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 cttgcggcct gaaaggttga ccgggaaatc catttcgggc gggcgacttc actctggaga 360
 agccgcggca gggnccccgt ttncctngcc ggttttcagg aaccnaact catcttgtgc 420
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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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 gatggcactt attaaaaact cttttaaagt aagtacaatc aggaacattt accatctttt 180
 gattcccaat aagaaattct attttcatgt tcctaataagg acataaaaca acatagactt 240
 ggcttatttg ggttgatact tattattcct gctttggttt gtcgtttatc acaaattatt 300
 aatttcttca gattttcaga agtgaaattt taaaaataat cttttggatg tttnaggtga 360

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ctg 423

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tatctttatc aagatgctag taaaactgaa catcaactat aatatttcat ttggattttt 180
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tcttctgtgt agaacagttg ttccaagata gcttagtggt ttgttttcct gttgcatgac 300
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ccagcacctt tttgatccag aacatgacta cccaggtttg ggcaagtgga acaagaaact 180
cctttatgag aaaatgaagg gaggacagag gcggaagcgg aggagtgtca atccctatct 240
acaaggaaag aggttggaca atgttgtggc aaagaaatct gtccccact tctcagaaga 300
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 ctcatatattg agtgcnatct ggagataatt catagttatg gcagttaata tttcttacag 180
 aaaagttttc cttttgtggc aacattttta tangcttgtg tgaattccnt tttttttnt 240
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 ccaaagtata tncaccnnnc ctttgtgcat ttattgttcc cnttggtatt gtgcacttaa 360
 aatntccaaa ttcaaacctc tgtaactgtg gagaatctgg cagcagcaca gcatgcccgt 420
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 ggggcactgt ggtttacctt tcatcatggc tccctaacac acctccatga agaagtgttg 180
 gggttgtaaa gtagtgtttg gattactttg ctgcttgtaa agaaacttac tcacttattt 240
 gcttttcctg aagttaaattg ctgggccagg catcatgaac acttgtaatc ccgcagtatc 300

tacaaggtga agggaggagg attgctgtga ggttgaggcc agcctggact ccctagtga	360
ttccaggcca gcctaagtta caatgtgaga ctccatctat ctcaaaaaan ccaaccaacc	420
aaccaancca aaaaaaaaaa aggactgaaa ggctgagggtg agtccctgtt gagtttattt	480
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gccaaggtga agagtctttt tgtttggtgg ggagccacgg atgatttctg ggctgtgggg	180
ctttgaagaa gttccctgat ctacttcct gcagaagaac acttcttctg ccagctcttg	240
ctggctggag gccatggtaa aacaaaaca aactcccagg attccaactg ggggtcccca	300
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 <211> 528
 <212> DNA
 <213> Mus musculus

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gtgggtgccca tgggtgatga tgttcatTTT aagctTTTgc ctgtagtaca agcacataat 480
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 gtgaaaaaaaa aaagtataaa tccacagct agaaaatgcc caaggcatta acaggttatg 360
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acaaaaatgt gaactacttt gtacgattac agtctccacg tcgacctaac agaataattat 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

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 ccaaggctga agatggccca gccaaaggagg agcctaaaca agccgatgtg cctgctgctg 180
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 ccaaacctaa ggaaagtgcc cgacaggatg agggtaaaga agaccccgag gctgaccaag 360
 aacatgcctg aactttaaga aatggctttc cacgttgccc ccacctgaac cctgtctctc 420
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 gaaagatgtg gcccttgcac ttagaaagt gaaacgcttc ctttgggaga cctctnntag 240
 gccagaagaa cccaggttct tnnnnncccn nnnncnnnnn nngncatact tacacngntt 300
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 gacctatgct tccggcnggc ntntgcnat ntctagtgat tgttttggga atntctcact 420
 gctacctgca cccagtgact nctgcagcac aagaaccnt ctaatgacac tacgcacggt 480
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 tcctggacaa ccgaaaactg gaagtgacct agactacaga cccatcacgg cagctggagg 180
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 ggcgtttaca tatactacac taagctacaa ggaaaatccc tctttggctt ctcgggttct 300
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<210> 595
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 ctcggcattc 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
 ttcentnttt gtcacataac tgtactagga cttgcccagag atcagaatcg atccattcgc 480
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<213> Mus musculus

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<400> 597

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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 tgggcggggc aacgtgtgct cgcaggggaac 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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<210> 603
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<212> DNA
<213> Mus musculus

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acctaaggag catcagttgg tggatgctaa aggtgtaatt tgaaatggcc ttcgggtaaa 180
tgcaagatac ttaactcttt ggatagcatg tgttcttccc ccaccctat ccgctagttc 240
tgccccctgg cctctggcat aatatcttca caatggtgct ttttttcctg gggttttatc 300
cattcactca tagcaggtga ttagacgatc ttgattagtt tcatatttcc caattgttta 360
tctcttgttt ggagttgtat cagaaagacc tggaggatga ttctttgagc atagttcttt 420

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ttgaaaacaa gaaagagaaa ctgggcagaa agcatcacia aaatatttga aattgtacgg 480
tcccatgaa 489

<210> 604
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<212> DNA
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gcaggtgtat ctgcacagt gtcgcccccc agcagaccat gtgttcgcgg gatgcccgca 120
caaaacagct gaggcagcta ctggagaagg tgcaaaacat gtctcaatcc atagaagtct 180
tggaacaggc aactcagaga gacctgcagt acgtggagaa gatggaganc cagatgaaag 240
gcctggagac caagttcaag caggtggagg agagccataa gcagcatcta gccaggcagt 300
tc 302

<210> 605
<211> 238
<212> DNA
<213> Mus musculus

<400> 605
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accaagatg aaaaccagc agtccatttc ttcaagaaca ttgtgacacc tcgaacacca 120
cctccatccc aagggaaggg aggaagagac agccgctctg gatctcccat ggcgagacgc 180
tgagagccct ccccgctcag ccttcccga tcttgccctc ggcttcttaa tataactg 238

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<212> DNA
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aggtggctaa gaagaaagat tgagccctat tcccaactat tccaggaaaa nttctcccca      180
atcaggtcaa cctcatcacc aaccaaccag ttgagttcca gacacctatac 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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<210> 607
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<223> n is a, c, g, or t

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cttccattaa tataatagct ttgcttgtag ccnttccaat ctatgttggt ttacctgtag      180
tgttttctaaa ggggtggtag aggccactag agannnnatt gtttgggagt gtagtgatat      240
atatTTTTgtg tttttatttc aagtaagtca ttttaaccaa atgttcattc acattcattt      300
ataagaagta cctatatcag acaaatttta aaagaaaaac aatcagtatt aatggaccaa      360
atttcgtgtt tgt                                          373

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<210> 608
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 <212> DNA
 <213> Mus musculus

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 ttctttgatg tgaaactgag aacaagtctt tttgagataa atgcagtgta tttcatgttt 120
 gtaagcacct ctgagatggt tggcaagaaa tcccctgatt tccacccaaa cttaccttat 180
 agagcacaac gttaaagggtc gtacaattac tgtgagaact gtgaatatgt gtaacttttt 240
 ttttncagtt tttncccaga ggggnagnaga tnattntnnn nnnnnnatat nctttctttt 300
 ttttncnnat aaggatttat tctcagnaca ccaagtanat ttatctcnan tatnnaagta 360
 tatgtnatat atncctattc agacnatata cagancctgt tttananana attacagtat 420
 tatttagtna aattatctnt tctatggacc aaatgtaaaa tatttntaca tgaagatgtg 480
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agcaccaagc tggcggacct gggagagcag cggatatggc tggctgctgg aggaggtttt 120
gtggttacca gaactgacca ccagagagtc aacgctcaag atggggttttt ggactgtgtg 180
gaaaagtaga ccacaagtct tcagagatgg aggcctagat agaattcgtg tgttccatga 240
gatgagactg agggctttcc tttgctgcgg cccataggag gactgtgcta gagaattcta 300
tggtgacttc atttcagcct ggagnccttc taaagctgtg ataccaagat gaagaggctg 360
ggactaagga ctntcagtaa cagagttcct gctgaaatct ntcattctcag actcaaaaaa 420
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tcaccccatt 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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<223> n is a, c, g, or t

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ccagagtctg agtagcctag tctagcacc aaccagcta agattgntca gcagttccca      180
tgagtgaacc ctgaagaagg gagttaggag aagaggctat aaatcagaac acnccctcag      240
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 ttatatgtga ctatttttgt aactgggttt acgtttgggg agaggggatta aggaggggat 180
 actacatttc tctgtgtata atgagatcta ttttcaatga aggcattgctg cagttttcat 240
 ccacacatga caatatccn 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
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 aggcagcatg actataacat t 561

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

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 aattaaaaca aaacaaaaca aaacaaaagt ctgctttgta aatagtaatt ttaccacgtg 120
 gtgcatgttt gagccaacga aaatgattta agcacagtat ttactgcatc anatatgtac 180
 cacagttaag tatagtttgc aagctttcaa caggtgacat gacgtcattg gttccctnag 240
 agnttgnanc nntcactgcn nnnnnntnt cttgctgctg ctgcngtata ttnacccttc 300
 tgctnttnag aagtntnana gggaagccat atntcagagg tggagtgaag tggattnttc 360
 catcaggaac tcantnttca cgacactgan caatgtgttn cagtaaaca ggaagaaatc 420

cctnntcttt gttctcccta cccttaattg aacantccgg tgagatgtct gacagtgtaa 480

<210> 615
 <211> 279
 <212> DNA
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<400> 615
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 ctgcaacatt tgtgtaccaa gcaataagtg caaagcataa aacctcctgt gtgtaaatta 180
 tccccatgtt gcttgtggta gcagtgattt ctttctttta aaaaagttaa cctcagagct 240
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<210> 616
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 aggactgttg tttgcacatt gaagaggcaa actttgtagt agtcgttgta gtggtagaca 120

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gataacgaaa accgaggctg catcatagac tactccttta aatTTTTTTT ctatTTTTTT 180
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cgttcaacat tcagggaac ctttatatgt cacctgctat gaatgaatgc agtttgctgg 300
caaantttctg atgcatttgc taagcattca tgggaaaggc atgccnaaat ctnttctcta 360
tgatgtgttc aatctgaggg aaaaaaaang gaaaaaaant cttaggacca ggcagttgta 420
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gacccatgtt gggcattttt gtatcatcaa ttaacaacta catcttttgc caaatgcatg 240
cctgcctttt ccgttctnaa tatgtggtta taaagaccaa aactggctag attttgcattg 300
aaaatggttc tgaaagataa gaaaacagac ttggaagggt gtttagttta aatatgtggc 360
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 gncaggnntt ctgaggtgca tgtgcagcct ccctccagga tcagctgacc ctccactcgt 180
 gagcactgng caggcagtaa cactgcctgc cactgtgtga gcgaacctac tggaggtgaa 240

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gtgactgtgg ggcactgagg atcagagagg agctcnccgc cccatanttn tnnnnttgat 300
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 tgatntagcc caatantncn tntttttant ntnttctaant tntgantaga ntntgggttt 180
 aagataacac cgatnaatgt ntinnccacaa taacgtgagg gtaagagaaa aagcagggaa 240
 gaaattttcca gaaaaaaacc ctccagattn tcccacggga gtgttttccc tccagtgtga 300
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gaccaggcag gcaaggcagc ctctccctga ggcccctcgg nnggcnnng nnnnnnnnnn 120

gaaaggagaa ggagggcgct actccttntt ccttgggggg cctctgccct agagcggggc 180

cacgnccac acgnctggga gcannngcca caggctggcc acctccact cctcgagccc 240

accctctac cctgagcatg cactcgtgg ccaagctccc ttgttatttg ctctnntagt 300

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tccctctgcc tgggatgccc ttccccctct nctatgcctg gcagttatct tgtccctttg      360
aggccccaca tcaagtgtca cctccttccc cagctctccc gggcagaaat antcgtctgt      420
gcttacttgg ttcattgctt ttgtgtgaca cttctncgct gttttataat tagtcgggca      480
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tgggcctggc atagagtagg ttctccat                                          568

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atgggaacgg gttaggagca cacagtagcc cattggtgag acaaatttcc aggctagctt      180
catccaatcc attaaggaga ctttatgctt ttcatcttg ttttcatttn tggcaaagca      240
aagcctatcc tgagtgnctg ttgtntccg cctccacgc caccctgag acaccgagca      300
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 aggccctcag ggcaaagagn aaggggttct ctgagcagag ccagggttctc agacaggagc 180
 agaggaaact agcnaggagg cctnacanta ntgnnnngct tcccgggtntc aggnannnnn 240
 nnnnnnccta tnccccanc cctcactctc acantcttcc atacacacac acacctacac 300
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 atgggtggca gcttggttag actaactgag tcgttcaa atgtaataac agatttttagc 180
 ttaatgcaga actctttaga aagctcagat ggaagaaatt atagttgtat ggaaatgaga 240
 aagggaataa gtgatgtatg gcttgctacg attcaaccaa caccagttac taagtaggggt 300
 tgagtggggc tnccttcttg tctnccaggc gaatcattac attagtctgc tggccttggt 360
 ggaggaagta tgccactgag ggaggggaga ncnnttgaga gtttaaaagc ctncncttgc 420
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ataatgtgag tggcntgcbg aagttgagat tcacaggacg agctgatggg gaattaaggn 240
tntntgaggt gtntccttta gctgctggga nccatnntnt gacctgctgg tncctagggc 300
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ctaacttgca tattcaaata gcgacgtttt aa 392

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ggcatgttct cctggtgcbg ttggctcctc atcacacagt atctgcacct ttccatgctt 180
gggtactgcc agatcttggc ctctctaaag agcctttttg ctttacctaa tttcatccca 240
ccagagtgtc tatcccctgt gacatctgcc aggcacagac tcaaacccta agccatccat 300
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 tccttagtaa cccgagcgtg gctcgaagtg gtcattgattt catccnaaac acaatgtgta 180
 aacttactca gctaacaatg ggaaatgtat tgcttctntg cgcagtggac ttacgtgcaa 240
 tttgttcaaa agggaacaag tcattgagga gaaacaaaag cccaatactt agantcccaa 300
 ttttntctta tttncnnaan nnaagcaac ccccnagag ttgatattnt tacnatgtac 360
 atactgtnaa atatgaaagn atcgatgtnt cttanttttt cattatttgc taaccaaanc 420
 tntacatttt tcataacaatc cncanccttt tgagtatcaa aggggtaaac cacaccntc 480
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 aatcttgcag tttcaatgtg cacactcctt ggactccaga ccctgtctga ttgatactct 180
 ctncagggtg taattatcag gaaatccacg cagcgggagt tcagatggnc ccttcaggag 240
 gcaggaancc tccatancaa cgaaggccag cctnccattg tgatgtgttg acttctcacc 300
 tcacctntcc tttaaagtga ggagcagagg gcggcatttc tatctgtact gggctcagaa 360
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accatgggca tggcatgtga agcaatgtcc tgcagatgga ttaccacctt ttatttctgc 180
cagctaacat cctcccagcc tcctgcctan tactgtagac tccggtgtga cccaccactg 240
gggagttcac acctagaaaag agatggaact aaactctact atcagctgct tcaaaaacct 300
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gttaattgta attgcatgac acactatgaa aagggttggc ttgctagtag agtgtaatgg 240

ggaagggagg atttctcatgg ttttcctgtg tgcagtgaac cttttgtgtt gctcttgctt 300

tggctgtttg tgccgtaggt ggagtgtttg tcattctggg atggggaagg tatccatgta 360

tctgcttact gctttatgag ttcatgttta cacattatct cctaataccta gcatccattt 420

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 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
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 ntgagtagag tgtggntttt agataacacc gattaatgta tcnccnacaa taanngtgag 180
 ggtaagagaa aaagcaggga agaaatttcc nngaaaaaaa ccctnccaga ttttcccacg 240
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agatctgctc cccgcacacct tcaaggctcc tcctacctcc acttcagttg tagagttaag      180
tgggagtctg ggctcagcgt tccagaccac ctcccttcca cgctctgggg attcctggca      240
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gaatccctca atgctca                                          317
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tgtaggtata ctatgtaagg gctttaaata aaagaggtcc attaatattc cttataaaaa 180

attctagcct ttcattattg cccagatggt ttagaagtaa atatttatga aganggtatt 240

tttgnantnt cctttntnt gatagatttt cacagatatt naacattant tcagnatcca 300

cggatcatgg tctaatacaca tttatnagac catgatataa nccttttagc ataatgncca 360

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actccgtagt ttttctgaga gataggnaga gatgctangc nanaaacnct ncaaagttca 300
 tgatcaacat tgattttattc cacattttatt tccatttgtc atttttttat tttaatgtgt 360
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 ggaattgttc ctgcatagtt ctgagctgtc cttttataag aagtgatgtt ccagtgtctt 240
 cacaatgtag tgattatcan ctttacaacg accttganc ctttctgaac acacacatca 300
 tnntcantnc nnnccaangg ctagaaaata caaagcacna gcaggattca ttncatccgt 360
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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 cagaggggaca gtctcttcag acattaggga acgctccagc   180
aacagtgctt ctgtgtcngt ctcctctcag ccaccangaa gaagacaatt tcccctttgc   240
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 atcttgagtg tgacttacac caggggtgcag acaaagttag cttgacctgg aagcctagag 180
 gcccaagagg cccgggtgaa gcaagtatct ctgagatcaa gcctaccctt cagctcagag 240
 agtggacccc tgcctaggct cccacacatg atcctaggtc ccagatatnc caccctgga 300
 gcccgtttca aggcccatct tccagaatgt ttaaacctgt gtatgtaacc agtaaaatgg 360
 gagtttgtac tgtgtattga atntntcttn ttattggcct ctgtgggctg ctgggggaga 420
 cctggagagt tgtttattct agtntcccc accccctggg antctttgct tttgccagat 480
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 aaccaatcat attgtgaatc attttgaagt tcattantag cgatattgat anaattgtgn 180
 acttntntta atgttttttt ttaattaacc nantattatt ttaaacctga gattctcaca 240
 ttcaccagtt ggtgagtttt gaagaaaaac taaatttcat ttcaactgac aaatgtatat 300
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tgtatgaacc ttgtgatatg ctaaggggta aaaaataagt gtcgctgaca taaagaattt      180
tgcttgagat tgccaacatt caaaattctg taaaagtact ttacatcca cttatttggt      240
tttactaatg ttgactagga acagaagcaa aaatatctaa aacaaacttt tttatttcta      300
cactctaacc gatatattnn aacnaccta gataatncga ttaaccatat atacatcccg      360
agcttataac aataagnatt tgagataagc ttttaaattt atggaagatt ttctttgtnt      420
ctttggaagt tcacttacca taagggtattt tgtagtgtag ttttaagtaac agattttggt      480
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ttaaatgaat atatTTTtaga aagacaaaaa cttatcgga tgccattttt gtgaaggatc      180
TTTTtagggg cggctctgggt ctcacacggc ctttgtttgc ctgcactcta aagaagtatc      240
ctaggccctg tcttcacccc tccagactcc ggggggggtg cactttaaag tcattctcgt      300
cattttgtgt ttgttgtagag canttttctc tggctggcta gacgtacagc gactccgtgt      360
cat                                                                    363

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cctatcgtgc cggcattgcc ttctaccact tgggtgatta tgcacgtgcg ctgcgctacc 180
tacaggagggc cgcagccga gagccacag acaccaatgt tctccgctac atccagctga 240
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taagaaatct ctttgacaac tgtgtgatgg cacacaaaat gcttcatctc tgagnccaga 180
gnanccnatn ntgnnnntc acagnctgct gacagtgcag gtattgantn tacaggntct 240
tggagaagnt nctnctcctc agaacatgga caaaggatnc nacaggtgta aatatagtaa 300
caggacaaag aancnnanac atcnaaccag gtatcntctt ncacntgctt ttctgttttc 360
aagtgtctaaa tncaaact ntgtattaat tagttgtgta tncaaagatn cttgttncca 420
aatgggtgttt ntgaataatn tcaacatttc ccagcacca ctacattaac taaagacaga 480
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taacttcatg gtcaaaaaca acaactgaaa acatcaacac agacaggtct tataacatat 180

ctatatgtgt atatgtgtat atagagatcc atgcaaacac acatgcatat gtatgcattc 240

atatgtcaga aacaaaagga ataaacaaag gggtattttcc ttcatatgac tttttttttt 300

ttnaaatttn ccanccaaca gtcaccattc tgaaataaat aatacagggt actgnacatc 360

tctctcanca aatcnatncc tacagttcct aagnacattg cacagtttga ctctacnata 420

gtactgtacc tcagaatatg agatgttaac tagtntctgc attgcttgtc aaatatccat 480

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 ttnnagaaac agtaaaataa attatTTTTG aggactgtat ggtatatagt gatgtgctac 240
 aactttctag gctgatttta gtgcccttat taacancccc tccccaggac atggaaataa 300
 ccattgttta cagagctgag cattggtgac aggntctgac aggntcagtn tactaaaaga 360
 aaacaaaaca aaacaaaaaa aacaaaaaca aaaaaataat acagtggcaa tattaggtaa 420
 cctttttcct atgaagtctt ttgtaggttc ttgttgtaac taatataggg tgagtttcta 480
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 gataggctca actggccttg tctggacttc ctccggtgtc tcagcgccat cgtcatcttc 180
 ctgggtggtct cctttgctgc tgtgacctcg agggagggag ctgccattgc tgcttttggt 240
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 ggggtcctcg gctgtgattc tgaggagagt gtccaaggaa caggaaggac tctgcctaga 180
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 ngtgatgatg tacgtgtatc ctccagggga cgctatgcag agcgggacat cgttcagttt 180
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ggctcccctc cccacactt canagtggct gggagggtaa ggaggagggg tgcccacttt 180

cctctcctgc agccccacca ctggctcctc gggngtgtgg ggtaaagatg gcagcctccc 240

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 accccagntc ttggatttca ggtccctcca cccccattc tgantntccn tccttcccct 420
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 tctgtttgtac ttctgcggt ctgatgttcc taggaactgc ttggtttggtt gatttnttca 240
 nctacctgtt ttttagactt agaaatttna tctaaaactg aagtgatctn caattgaagt 300
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 atttttgttn gagtatgctt ctttttttat ccatgtaatg tgttnccttt aaaaacanaa 180
 atgatgacta aaataatgtg tgaggtgggt catccctaag aantcaacgg aaggtcactt 240
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 ggattggcaa gccnacttgt gtgagtngg caccttagac ctcanngng nnnnggngga 180
 gccatgatcc tgtgtgctgc ccacccccac acctatgggc ttgaatttga ccagatgagc 240
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ctgccatcca tcctcagatg agccacctgt acccttctga cagtgcagtg tgaagtctta 180

gaagctgatn ccctagaaag atcctagtgt ccntttgttg catatatatta ctgcctgctt 240

gagtgtttct ctgtgtgggt tctntctgtg tctcgtagaa atgttggggg gttttcttct 300

gccataaggg ctcgtggccc gcganccaac tcctttagct gtattcttcc ttcatttttt 360

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 ttggctTTtag aaatcaccac ggggctaaga atacatttcc tacatagctg cttcattgtg 180
 cttaaaggaa gcaaagaagt cacgtgctaa atTTTaaagt ctcagaaaaa catgggTTTT 240
 gTTTTctacc ccctagactt ttcagggttt tctcttctta gctttgtcgg agtatggggT 300
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 tactgcacct caccaccaac tccctcatgg acagacagat ccctgatgtc tgtcactata 180
 gacacacgtg ttgtacatgt ggcccttaac acttgacact cttaacacta ctcatggggc 240
 tgggntagag gnaggcttgt ggtttggggg gttnttattt tttnctttct tttcttcctt 300


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 ttcccttattt gataacattt tggaagcaga cgtgatggct tcacatcaat actnatcaat 240
 gtcaccagcc cnatggtncn attggtgcag tntcagaatn ctnagtggag aataagaact 300
 nacttanctt taattgagag acantncatt attcgggttn cttnacccat ttgaggaagg 360
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aaatgtaatt tagtttgga tttatgactgt antctgttgn atagtattta ccatggatt 360
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 tgcatacagta tanttgcngt atagatgngt ctgtgtgcat ataagtgata agtgctcaac 240
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tcttgattga ggatgcaatg cctggacat tagcaaccat gttttaccta aagaaaaggc 420
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atagatgcat acaaatatag atgcatactg tactaaaata aaaagntcgt tcctggtatg 180
ccaataaagc gtttttatg 199

<210> 675
<211> 56
<212> DNA
<213> Mus musculus

<400> 675
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<210> 676
<211> 514
<212> DNA
<213> Mus musculus

<220>

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

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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 taattttttt tttttttngc tgtgttatca aaaacttgaa 360
 tactgtgaga agtgaatttt cagttgatga atcagcatct tgttcccatg gtgataacac 420
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 <223> n is a, c, g, or t

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 tagggacagc aacaactgct ttgccaagc agcactggaa ccctggattg ttagacatgg 180
 gggcttattt ggatactgcc ctattgcaa atgacttgct ggttactggt tcggctgctc 240
 atgtacaaat gtgtgaataa tattgtgccc accagagggg gagattttta tatatagcaa 300
 ttgtttttat aaattaaaga aagtgaagga tgtattgaaa tgtgactact gggggggggg 360
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<220>
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 <223> n is a, c, g, or t

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 atcatgccct ttataattc acagtgtgcc acaaagatca caaacactga gggatactaa 180
 agctcttctt tgttttggca gttactgtca ggccagtttc tgtggatttg aatcctccac 240
 tattacccat tagagtgttt tagacatttg gggnnngggga tatcaaatac tgccctttga 300
 aacttcccag aaaggtaaag ctcacaactc catgtttatt tctatggctt gagttaccct 360
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<210> 679
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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> (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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<223> n is a, c, g, or t

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aaaaataaaa cattcttcaa agactttctca cttnataaaa ggtcccctga ctactttgca 180

atgagaagnc tatgcctttc tctttttctc cccacgcctt cctttcccct ctgagacagg 240

gnttctctgt ntanccctgg ttatcctgga gctcactctn tagaccaggc agggctcaca 300

ctcagagatc cacctgcctc tgcctccaaa nttctgggat taatgggtgtg catcaccatg 360

cccagcnaa nctcngcttc ttgagtgtgt aacgtgacat tgaagcttgg gaaggaggat 420

tttaaagtnc agtgcagggg acccagggac tacactgtac aggctgcttg gttaatagtt 480

cagttgtaca aaaca 495

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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

<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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 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
 tgagcctaataaacctgtgt ncactccttt aggtcccagc actttcttcc tatgggtggt 360
 ccagacaaaa gtatntcctc ctgtaggacg ctagagggcg cnttaggaca gcntcggatc 420
 ctgtntctgg caacccttg caancccacg gggcttctg ggtgggagga agaggggttca 480
 ggcacttccc a 491

<210> 681
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 <212> DNA
 <213> Mus musculus

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

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 cagacacagt gggcaaggaa ggaaaagggt gttccctgtg gctcatgctg gcaggatgag 180
 gatgcttggg attctgaggg agtttgcatg atcttgtcac caaacgatcc ttttcaaat 240
 acaagtgagg agatgtggag gcgtgcagca gagcagatga ggaggggggc ggcagtggcc 300
 agccttccct cctcggcaag atgtaaggga cacggccatt tgctatgcta aagaaacagc 360
 ccttcaccgg aaggttctca ccacatcctc ccccttacct tctactacatc cctttcagag 420
 agccaggcca ccaccagggc ccctggcccg cccacttaca tntgccaaag tgaaatgttg 480
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<210> 682
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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

<400> 682

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tttgtgttttg ttttgttttc atgaaactgt gattttttcaa cttatgaatg ctataatgtc 120

ccagtgcggg aagctaactc tgttgtgaata tcaacttgta taaaacaaac caactgacct 180

atacacaaac atttttcata ggcactgtat aaagagaana tgtatgttta ttgactcaaa 240

tcagtttttc agagaggaaa ctttactgag atgaagaagc gggtaaattg nttnttnat 300

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ttanaanaaa ananaaaactt gcannttntn naaaaantgt tnnattgctt caaatttctn 360
ctattaactt caanctatgg gagtttgncg gtagtcaatt gaggattttt ttccatttnt 420
tttctttttg ttgttaaagc tgtacttcag tgaacagaaa aattnccaan caaactaatg 480
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<210> 683
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<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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 <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> (432)..(432)
 <223> n is a, c, g, or t

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 tgtttgcccta accaaccaag ggcaattccc gtccatccat cacacgggat gtgagaagga 120
 tgcagccatg gtctgcagcc tctctcatga agggttatct ggccatggta cttggctgct 180
 tcataacttg ctgtcactcc tgatgagata agtgtgtctt tnaaaatagt ccccgtnzca 240
 ggtcactggg gtgtnatgta cnacnaccct nanccatcca ttttttncctt ttnttttttt 300
 ttnccttgag agactccna tggcatctat agaggactaa agaagaganc cgttcctca 360
 ctgagtcaga ctgttcacag ttcatatgt attttatgat ggcttggttg ggancgata 420
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<210> 684
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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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 tcagcagtga gtaaactagc ccacttcctc atttatTTTT gtgggtctca actgcagcat 180
 tttagaagca aactttgatc tgacactcag gagaataaac acaaataagag ggcagaatgt 240
 atttggaana 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

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 gactcttttg gcaaagaact gccctggtgg agtaaatttc ccaggacact ggtgagtgt 180
 ccttgactg attacctctt ctactgcatt gaaagggtgcc atgttttcct gaatgactaa 240
 atccccctca ccttgtaagt gacctccag agtgggtcat gcaccatagc tctcctaggg 300
 acggcccaca aacatntcat tcgtgactca ttttctact tcccaagtca gtagatgtgt 360
 tcaaggtaag tacaggattg ttctcgtagg aataggcggt tgctntcctg attggtattc 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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 gcttttgtga actgaatgag tcccagttgg cctccatttc aaagtcttta acagagatat 180
 cctatgtagt ttcccctggg tttcctttct ctaaagagga gggttgaggc ctgttggctg 240
 cctgggtaat gtcaccttac gcagagttcc caaaggttgg taggagggaa ntccttcgtt 300
 gcttctcact atgctgcagt ntcctgaatt cacnatctgt gggatatntc ctctgccctg 360
 ttgttcaanc ctttatcaca tggatggatt cttacct 397

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 <211> 518
 <212> DNA
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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> (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

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 gacagccnag ggttgtagag acaccgtcta aaaacaaaat aaaacaacca aaactgttag 180
 acctgctgca gcttgagcca cccaggaggg acttccaacc taaggagaag gttggtgggc 240
 atgggggggt gtatcctaca cagaagccat atacactggc cagatgtcac atggcacttt 300
 ccatttcnt cccacttca gggctggctc ctccccctca cgctccaggg ntggctccta 360
 ccccttcaga ctctccccc ttccctctgc tttgtgaagc tggttggttt ttatttctga 420
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<210> 688
 <211> 527
 <212> DNA
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 <222> (135)..(136)
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<223> n is a, c, g, or t

<400> 688

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tcaccaggca gagcnntnnn cnnntttttc tgtagctccg ggttttgttt aagggcatcg      180
gacaatgcac aaagaaagac tctacattgt gccagggttc tttgggctcc tttctgggga      240
tggcactgtg gaactcttct tgagataata tttaatgctt tcttatcgtg atttgtatgt      300
ttagttgaaa actactgctg catancaagt cttgtgactc ctctgtgtc cacagaagct      360
cttgtctgag tttaaagcta taaagtgtat tcacattgtg aaattattat tattattatt      420
aattattatt attattgaaa ttcatttgtt acaaatggta tgtgctctgt taggtattta      480
gtttgtgtgt gaattctgta tggaaagtgg ttttgttctc tgagttt                    527
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<210> 689

<211> 458

<212> DNA

<213> Mus musculus

<220>

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<222> (30)..(30)

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

<400> 689

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aatggagata ctgcatttta actcaatttg gttaatttta gtattaaaac catggaaatg      180
gtgaaatcca agtgggatca ttttggcagt aattttgaga ccctgtccat ctggatattg      240
gagaaagaga atgaactcag ttccttgga gcgtcagcat ctgccgcgga tgtgcagatc      300
agccaaatca aggtgacctg caccacggtt atgttactct ctcttccttt aagaacatct      360
ttcttagatt tgtatcacc aaagctctct gatcccagga cagatcttcc gttcttctgt      420
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<210> 690

<211> 466
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<220>
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 <223> n is a, c, g, or t

<400> 690
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agtctaataca ctgttcgttt ttttcttttc ttttctttcc tttgtgggaa catttcacct    120
gctgagtgta tatgaatttg ctttctaaaa aaaggctttt atgggtttac agtagggcca    180
gtggaaggga gagttaataa gggctgtttt tacaaaacaa aaaaaactaa taattttaaa    240
aagacacttc acattccttc ctgttctcna actacnactt gggaagtnca cttcgggtag    300
ntntnctgtg tggctgagag atgaaggaaa cccatagaca aggacctcct agtgaacaaa    360
atttagttgt taactttana gctataaaac tccccaggc gttcgttttc gttcagacag    420
atctntcctn tgcacatgc ttaaccctgc gacatgcgta cagtat                      466

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<210> 691
<211> 528
<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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<220>
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<223> n is a, c, g, or t

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

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

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

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

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<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
gtgtggtggt cgctctcgct agctgagact ataccttgcc agggagtctg gagtgtgcct 180
cttgaacctg tatatgtggt cccaggcttt gggaaatcag ggcattaaag aaaacaagag 240
aggaggagga gggaaaaaga aggagggaga aggaggagga gggagggggg aggaggaaga 300
aaagataaaa aagctctgtt cagagcccca ggtancctca gagncctagg gtccttaagt 360
ttcttttagag ggaacncaac ctnccttggc accagatacc tccaacttan cccccggttt 420
cagagcccac atagctctga gctcagggct tctactggacc actgatgncc gttcttgttt 480
aaatgcagct cctccacccc ancccactgt tcgctcttgt agtagtta 528

<210> 692
<211> 338
<212> DNA
<213> Mus musculus

<400> 692
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cctttccctt gcctccagtc agagcacaca aggtcttgag gaagtgtccc caggaactac 120
cttctactgg gcccttgag cccagtggct tgaagtagtg gctcctttgt tttggagccc 180
tctgatgggg ttcatgtagg atttctgaac agaggcaacg ttgaacagag ttcatgatca 240
atgtgttcaa gcaggtagca tacatagctt ttcactgaga ctctctttca cctatacagg 300
cacaggacaa caaatcccag gctttagggc caaaggct 338

<210> 693
<211> 569
<212> DNA
<213> Mus musculus

<400> 693
aacagaatct tcaaattccc agggaatccc aaacttaaga cccaatccc aagccctcag 60
gaaaccccaa ctacaaggtc ctaaggactg ggaggaagga ccctgttgcc aggctctcag 120
ggcatctcaa acctgactcc caggcaccag gagaccccaa acaggaagtc ccatctttgg 180
aacaaggata gaggactcta atactcttag tccatggatc atctaattct tcaacctcca 240
aattccatgg gccccagctt caagggaacc cccaagtccc aaatctctga ttactaatat 300
gtgcaggggc ccagggtctt aacaggaccc caagtcatgg agtccttact tcaatctacc 360


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ttccgggtcac aggtccaaga cactaaatct gagtcattgg ccccaaagga cttcacagct 420
cctggggccag accaacagcc tgcgggagaa cctgagggcc ccataggtcc agagcagacc 480
tggggccctg accaccaagg acagctcacg actgcccctt cactgcatgt ccctaaaatc 540
agcatgactc ctgtcctctt caataaaga 569

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<210> 694
<211> 455
<212> DNA
<213> Mus musculus

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<220>
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<222> (134)..(134)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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

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

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<400> 694
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ccaaaggaaa cactgggtctg tgaagtctgc ttatttactg agaactgtgt atcaactttt 120
aaacacttcc catntgtgca gataaaaggg gaatagggct ttctgtagaa ttctatctgt 180
ctagtttgta aagtgtcatg tgtactgcag atgtctgttc tctgggcttt atgttctgta 240
cagtagatth cattaaagaaa aattgtggac aaacttgtht ctgtggthtt antgggggag 300
aatggcgatg tgtattthaaa tagctatcct gtgagataga aatntcccca aagatctgga 360
agtaaccctc cctggccctc ggaaaactct ggctatntcc taggttctaa aatgaagatg 420
tatggatact ctggcagact gcatgttgta taatt 455

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<210> 695
<211> 327
<212> DNA
<213> Mus musculus

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<220>
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 <222> (40)..(40)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (198)..(198)
 <223> n is a, c, g, or t

<400> 695
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 ttaggggctag gatacaaaact tcccgattta ttggggtacc tattcttact gagtttcctt 120
 gataacaatc tgttcctgat acccagtgat aaacagttgg aatatgcata actaaaaaga 180
 agagtgagaa ttttaaanga ccagtaaaat ggtctaaaag gagaatttga ttctgggaag 240
 gaagaaaaga cctgggttga ttaagtttat caactcaaag gtctgctcac cttcctgttg 300
 aagaatcaag tcagtctgag aggctgt 327

<210> 696
 <211> 156
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<400> 696
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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
 ggtgatgcac actcggaac ggcactcgga actctaccac gaactcaacc agaagttcca 60
 cactttcgac cgctaccgta gccagtcctc agccaaggag aaaccagcc cccccggggg 120
 acgccctggc ttgtcccagc acaggaggca tcaaagctgg agcaccttca aatctatgac 180

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actgggctca ctgcccccca agccccgaga acggctggcc ctgcaccgga cagcagcctg   240
ggagcccaca gaaccgccag acggcgactt ccagacagag gtgtgagtgc cacgccggac   300
tgcccactgc acagaaatat atatctatit tcacactcca ctttggaact accaggagcc   360
agcgcccctc cccctcccga ggctgggcag gaggcgcaga ggactcagcc tggctggggg   420
cagccagact ggcagggcct gggggggccag ggccccctct tgttctcaga ggtcccttag   480
ccac                                                                    484

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<210> 698
<211> 467
<212> DNA
<213> Mus musculus

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

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

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

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

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

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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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> (124)..(124)

<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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<222> (129)..(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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<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> (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>

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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

<220>
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 <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> (247)..(247)
 <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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 <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
 agtncntnnn attnaaaaaa aaaaacttna tangattatc naanggtncn gttaatanat 180

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ntgttggaca atgggtgtac ccattttcac aattattntc aaancaantn tatgttcaga      240
tgctttnaaa ttttatcaca tgatacaagn atataacttt gtcanccttt nnaagttcct      300
tttcttttac tttcttattt tttttccttc nnaaatcaat gaagacttga tttctgtcaa      360
tcattgtatt gaggggtgaat atactacctg aattttgtgc atgttacatt gtagttgtaa      420
ccttttctaa ttcaggatga atacaagatg gttgtgattg tgcagtg                      467

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<210> 699
<211> 363
<212> DNA
<213> Mus musculus

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<220>
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<222> (95)..(95)
<223> n is a, c, g, or t

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<220>
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<222> (214)..(214)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<400> 699
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 ttgagcaggt cagtggagca tcaggggccg gatatggctc ccggtatatt gtgggtcaca 180
 gactcaaadc cctctgagtc ctccaagtct tgtntntgtg agnacctgag attaacaagn 240
 taggggagggc tgggtgagagg gcagaggttg agagtgcttg gcttgcattct ttaagaggac 300
 ccaggactca caccaanggg nctcactnact ccagctccag ggacacacac atcatttaaa 360
 aca 363

<210> 700
 <211> 505
 <212> DNA
 <213> Mus musculus

<400> 700
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 gcacagcacg gctttatccc gtctgcactc agcgcaaagt ccagtacttc acgtgcttgg 120
 cttcctgccc ccagcagccc taacaacacc agaaagcgtt cctggtacct cctaaaggag 180
 tggcctctag ggagatcttc cttccccctt ggccatcatg gaggtctgcg gaccaccctg 240
 tccatccctg tctgtctgct ttgggtttcc ctccccactg ctccctctca ctttttaact 300
 ggcctcagag caaagctcaa cgttctctct ggctgggtgat caaagggggc ccgtgtgcct 360
 gcctggctct tcaacttcaga gatgggggca tgtttgtgtt gggcgggcga tgactctctg 420
 taaggaaagg aaggcctgca cgtgacttgc ggggtctcta cctcgttgct gacattctga 480
 ggacattttc tagtcaactgt gctac 505

<210> 701
 <211> 327
 <212> DNA
 <213> Mus musculus

<400> 701
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 gatgggacca agtaggggca ttaagtccct cactccccac accaattcct ggggtccatgc 120
 acagcttttt cagtatagcc caaggaagcc acaagacatc cttgggtgtg gtatggttct 180
 tccattccat accctttctt ctgtgttagc ctgcaggatc ccttaagtac ccttattcca 240
 ataggccagg gtgggggggtg ggggcgtgtc aagttgggaa ttttacacaa ggactttgct 300

gcccccttct ggctgtaga ggaaaag

327

<210> 702
 <211> 515
 <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> (403)..(403)
 <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> (434)..(434)
 <223> n is a, c, g, or t

<400> 702
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 tcgatgctgg attacaaccc cagggagcgg gccctgtata cctggaacaa cgggcaccag 120
 gtgctgtaca acgtcacct gttccacgtc atcagcactg ccggggaccc ctaggtgccc 180
 ctgcaagggc tttggggagc cttcccatat cgctgtgac cccacccca gccttctctt 240
 ggtcatgccc ttgccttcct agatnccgtc tccccacttc ccagcccag ctttctgttc 300
 tcagtatctc tacccatgca tttcccccat tttattgatc tctgcttttg atactccact 360
 tctgagtctt tctgcctttt tatggatgct tctcttcctt atngatcgaa cctctcttnt 420
 cctctccctc catntactct cctctctctt cctttccac tttcccatat tccttaccac 480
 tcactccac cctatccctg gatctgagtg catgg 515

<210> 703
 <211> 561
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

<222> (163)..(163)

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

<400> 703

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cgggagacag aggcaggtgg ttatctgtga gttcaaggct agnctgctct gtagagtgag	180
ttccaggata gccagggtct gtcttgacac aaaataaaac tgagcaatcc agcctagtgt	240
gatggtacac acctgtaaac ttggcactta aaagacagaa gcaggaagat ctggagttga	300
aggctagcct gggctacata aactctgtca cacatacaca cacaaaactt gtataatgct	360
gtagtgatgt gtttgcttta tcaaaatgct caaagctttt aaaagtgtcg acctattaga	420
cttgcaattc catttaaatg ttcaggagaa ttttaattgaa tttgtaatcg gtgtttaagt	480
gatttgactt gtaaaatttg ttgtaaaaat tgttgatttg ttggctatgt gcttttgtgt	540
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<210> 704

<211> 558

<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> (495)..(495)

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

<400> 704

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tcccctgggg agttcctgat gaattccccg cctccccccc agctccctgt gttttcatct	120
tgttcttgct gttgtctgga tcaggagggc ggggaggggtg 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
gacaccccc acccaccac ccaaggccct tcccctctgc tgacagcatt gttgtggctg	480

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atgagcatca ataaacca 558

<210> 705
<211> 318
<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> (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

<400> 705
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gattggacct ggacctggcc aaggcctttt gtgtgtgtcg ctgctgccgg gcaacgtgca 120
ttgctgggaa gccgaagccg ctggaggagc ggggtgggggg gcgggggggag gggaaaggca 180
aatgcagata tatattaaaa acaaataatc gaggtaccag agctgcgtct gtggcaccag 240
ctagctgcag gtncagggga tggcgggagt gaggctgtgt ctgcggatgg ctgggggtcac 300
ttctctgccc atgggctc 318

<210> 706
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 706
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 acccgatccc ccttcgtgcc cccaccccc accttntacc cctttctcac gggcgtgggt 120
 gccaccaag 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
 acagatgggg ccacgggccc ccccggggtg ctatttgccg cctccgcccc agcccccaac 420
 ctgcccgcgg gcaaaatgaa ccaccgagac ccactg 456

<210> 707
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 707
 caaccttcat tgtagatcct ttatactaaa gctgttgatt tgtagtgtgt tgaatgcatg 60
 cgggaaaatg ctatgaccat acagagctac cggttaagcca cattacaatc aagccaaaag 120
 a 121

<210> 708
 <211> 404
 <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> (106)..(106)
 <223> n is a, c, g, or t

<400> 708
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 cccaattntg aaaagctaac ctaggatgga tgcacattat cagtnttgcc agtccttccc 120
 atttaaaaaa aaaaaaaaaa aagaatctct ccattctctc ctcttgcta 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

<400> 709
acaaaagagg tttgtctccc tcatcaaaaa caacaacaaa aatacattca aagaaatcaa 60
gtatttatta ttttttttgc agatgtttcc atacaattca cataaccttt ttgtaaagag 120
agatgaagaa atggattaaa gatTTTTaat atttgaaatg gtaaataagaa ctaatttatt 180
tgtaatatat ttctgttatt tatagatgtt cccttaatgt ttttctgtga agtactgctt 240
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atattttaaa taactggaat gtaaatacatc agcatatctg 340

<210> 710
<211> 326
<212> DNA
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<223> n is a, c, g, or t

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cacttccctc aggggcctcg tccccatnta gtttctctag cgacttccca gtcccagacg 180
ggaaaggctg ttctatttaa tcgtgtgaag tgtctgtctc ccagccttgg ggcccccgga 240
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<210> 711
<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

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agtcattgaga tactgtatgt gtaagcacat gtacatgagt gtgtgtgtgt gtgtgtgtgt 180

gtgtgtatgt atgtatgtat gtgtgagtn gtgtgtgtgt ntgngcgtnt gtgncacgag 240

tctcattcag nctctggggt caaantcaat tcctctcaag tgtgggtaccc tagagantgg 300

tggccatnta cattttctcc ctctagcttc tatgtctngt ttttgctttc cntnccccctc 360

ctcctcccct ctctctcctt ctctctgtga ggggggagag tgctgtacaa agtcaaacaa 420

acaagtttac attgtaagtn cnatgacccg agtcctccac atgaccttgt gaattgtgtg 480

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<210> 712

<211> 565

<212> DNA

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

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 aattaagaga acttttttcc tacatatgtc ttaagaatag acagccttgc tgtgcctcct 180
 gctgatgtct tcctttattg aagcttgctg atgcgattgt acatagcctt tctatacagg 240
 tagagatata ttatatatat acatataaaa catctcacta tgcccacccc aaaagttaca 300
 ctgtgggggtg gaggggtgaaa tcacctctca gtgtttccaa gtaccaaagg ttcattatgg 360
 aatgttcttt atgcttttta ggggagaacc cagctgcata catagcaagt gcttatgcag 420
 gtntaggtac tacttcctnt ctgttggttg ggaggggaga gaagcttaaa tgntcttctg 480

tgacccagct gcgggggcag gctggatttn tatagcagtt tgtcagattg cttggatnta 540
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<210> 713
 <211> 378
 <212> DNA
 <213> Mus musculus

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

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

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 tcagccctgg agaggaaaaa ggtagaggat tagagcagag cacctcacag attccacctt 120
 actcttccaa cttcccgact gtcagaaacg gtgggtcacct gcacggccct tctggaagta 180
 gaaccctgat aacatgcaga acctctgagc ccaaagtggg ggctggtcga ggagactnaa 240
 ctaccagaat gnccttggnc aatatggaac taccctnagc atccacctgt ggggactggg 300
 taaatattta tncacgtcca cagcagagaa tgctatgcag cctgtgtaaa aatcaaggcc 360
 tatatgcact gatgaaga 378

<210> 714
 <211> 306
 <212> DNA
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<223> n is a, c, g, or t

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aagnannnan naaaagncca gaaggaagaa gaagagaagg ggtatatngt atattctcat 120
caggtgggtgc acactctgat gaaatcaaac aaaaggctat agaggattga agagggagan 180
ccaacttncc cntcctttc atggcgctgt agtcaaaga ctggantctg cttgttaacc 240
attgttaact agtattttta ntcccagttg cttttancct ctgtatagtt ctttttttaa 300
acacat 306

<210> 715
<211> 451
<212> DNA
<213> Mus musculus

<400> 715
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agctgagtta tcagtcgcct gtgacacgcc cattctctgt cctgggtccg cccccaacca 120
tggtggatcc tggaggacct cgtaccctc cctccccca catatgcac 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
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<223> n is a, c, g, or t

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

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

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 cattgtgctn tggcctactc tacaattggt ggcagcgcng gatgcccaag ctcaaacacg 120
 tgtcgcacgg tgaggagctg cgcttcgtgg nagaacggct gccacgacaa tcccacgctg 180
 gacgtggcca gcgacagcca gtcggagatg caggagaagc agcccagcct gaacggtggg 240
 gccatcaacg gcccagagcag ntggagcgcg ctcatgggca gcaaacgcga ccctgaggac 300
 tcggacgtgt tcgaggagga cactcacctg tga 333

<210> 717
 <211> 196
 <212> DNA
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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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 tggccaaatc acttcacctc cctgancctc agtttcctca tctntcaaata ggggggtttat 120
 aaacacctac ctcgcagggt tgttgtgagg atttaatgag gtaatgtata taaggcgtct 180
 tgcacagtgc ctggca 196

<210> 718
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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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 tcctgggtctc attttcagaa cccagntggg agtcactcag aatatcactg tacatgaaag 120
 tgcctactat caatgggggtg agcagacagg gaacagaccc gtggcctgca taatatcacc 180
 taggggagga agatgggtgc tgatttcact ctcaagtgtgc aagcctggag aatccatcag 240
 tttcananct ttataaaggc tgancccccac tnncaaaaag gagnccgtgt gtattgagca 300
 aatntccaga gacaagtggg tatntgaatg gtgncccctc cccaccaag ggaagaggag 360

cccaagggtga ccctaagcag acctgctttt tcccttcact aatcttcaag taacactgca 420
 ttggtccat aatgccctta attg 444

<210> 719
 <211> 469
 <212> DNA
 <213> Mus musculus

<400> 719
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 cactgatgca tcgacatgct ggagcagtct ggctccacaa agtaccaata cagttttttg 180
 agactgccta caaaatacta ttttgttaaa actatgcctt taaatagaca ccgatggggt 240
 atatttgttt tataaaaagt tgtgtacctt 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>
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 <223> n is a, c, g, or t

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

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

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

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

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 atgattgtta taagcanctg caagntttac aacagtaaga ctggaaaaga aaaggctgnt 120
 cataaaaaatg tgtgtgcaca aattataaaa agaaggcaat tgtttngtga ttgtatatga 180
 taatttttaag aataaaaatt gtgaaattta tgctgtccct gcttnaaata tttgnaaaat 240
 ttgaactgtg tatttatgtt tgtattgggg aagactcctc ctctntgaca tcatacagct 300
 tctaaaagtt aacagtnfcc caaagtatgg gatgctttgg aagtgaagga ctggataatt 360
 tttggaccag tatgncagta tgtagtccag tggcaactgt gtattaattn ttctatttca 420
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<210> 722
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 <223> n is a, c, g, or t

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

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

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

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<223> 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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gcacgtgcac atgcctgcac actaccacac atgcacacat accacactgt ccacacacag 120

acgcattggt gttcacacgc acccacaac aattagtgtg tatcacagcc ctgagtgtg 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 cagaaccac cat 533

<210> 723

<211> 523

<212> DNA

<213> Mus musculus

<220>

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<222> (429)..(429)

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

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caagtcaagg gaaagagaac agtagacatg cctctcatca ttctcttggt gtctcttttt 120


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cttcttcagg ccaatgagaa gccgaaaatt aaacccacc tccatcaaac acagttttta 180
tagattctga cttttttaaa 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
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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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attgattgca aacttatcaa agagaaatta ttctatgtag ctttacaaca gtgctttgct 180
aaaccatgta ctagtagtta antcttcctt gagaaaaata aagatacant cttataaaga 240
acagttcctn ctgactccca ggaatTTTTT ttttaagatga cactgaatgt tgatgcacct 300

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tagtgcagtg aagtggcaat aaaacccaaa ctgantcaag attgctcatg gcagctgcat 360
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<210> 725
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<220>
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 <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 gacaaacat tgaagctgat tctgaagttc 240
 tgttttcttt cttggctttg ccaattgctt cctccttgag ttaaggacac gtctcatctc 300
 atcacccctg cacttgcctt gccctaaccg ttactatgt tgggttgagg atactgaaag 360
 ttacgaatgg agaacctaaag gatgcgcata gttttcatct atgcaatttt acttggttct 420
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<210> 727
 <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

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

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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> (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

<220>
<221> misc_feature
<222> (273)..(273)
<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> (412)..(412)
 <223> n is a, c, g, or t

<400> 727
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 atttttctaa tcactaaaat gtgtgatata atttattttt ccaaattatc aaggatatatc 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 tattttattta ctctattctc agaacagttg actgtt 466

<210> 728
 <211> 570
 <212> DNA
 <213> Mus musculus

<400> 728
 gccagtagac gtgcatggtg aaaaactcgg ctggcaacac tactgcctcg gccacgctta 60
 acgtgtcggc cgtggacccc gtggctgcgg gagggcccgg tggcgggggc ccaggggggtg 120
 ggggcggtgc agggggcgcg ggcggataca cctacttcac cacggtgacc gtggagacgc 180
 tggagacgca gccgggggag gaggcccagc agccccgagg tactgagaag gagcccccg 240
 ggcccacgac tgatggcgcg tggggcgggc gccggcctga tgctgcagcc ccggcctcgg 300
 cgtccaccac ggcaccggcc ccgcgctcct cgcgggccac ggagaaggct ttcacggtgc 360
 ccatcacgga cgtgacggag aatgcgctta aggacctaga cgatgtcatg aagaccacca 420
 aaatcatcat cggtgcttc gtggccatca cttcatggc cgccgtgatg ctggtggcct 480
 tctacaagct gcgcaagcag caccagctgc acaagcacca cggggccacg 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

<400> 729
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 tacaagca 68

<210> 730
 <211> 572
 <212> DNA
 <213> Mus musculus

<400> 730
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 gattagtagt catgcaggtg agcctgagcc tccccgaaa gcacagttct ggcagcaaatt 120
 tgcacacctg tgagagaaca acagagtact agaagcacac gaaggctcag ggccagcaac 180
 agccagggggc cagcaatggt tgaggaccag caaaggccag tggccaacct tggcattggc 240
 agaggaccaa cctttgatgg actgatcttg agtatgtgac aggaggctga tctcctctac 300
 tcagcctgct ctgcttgccct gtgtggagta ggtggagatg agattaacaa tggcaattag 360
 atgtgatttt gcgaactgca ttctcactaa ataccatact ttgtagttcc tgtaaccctt 420
 ctcttcccca caaagacaga agaaacagca atgtgctcga gagtaccctt 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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atctcttgca tacaccactg gcagtgtggg cacaactggc caccaggagc acacatgcct      60
ggggaagagg ggcctgctct gttgccttca tccctgttaa aattgagtat atgcaagcca      120
tttgactac  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

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<210> 732
<211> 386
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature
<222> (274)..(278)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (285)..(286)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (290)..(292)
<223> n is a, c, g, or t

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<400> 732
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ctatgcactc gccctgccct acctacccaa cagaggacaa gatggtcggc ccctagctcc      120

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cttctcccca acctagcctc tccccacacc ccgctgtgca gctgtgtgcg ttggtgtggt 180
tctgtgtgcg tggcgtgtca tgtgatgtag ccatgtttgc tgacatgagc ccctgccctt 240
ctctttttct ccattggttt ctagaactnt nttnnnnn ncccncccn nnaggggaca 300
ggactcctgg ggcctagctg ggggcctgag cctgaccacc ctctgttag ccctcagagt 360
cttattttct tctattggtg accaag 386

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<210> 733
<211> 553
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (528)..(528)
<223> n is a, c, g, or t

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<400> 733
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atatatatat tacatatatg aaatgtgtga ttatttngga gaaaatgggc ccaaagtgtga 120
aaaagatgta aagaaaacnt tataaccctt tggaatatg atgtatattt caaagatggt 180
aagtttaaag agaagtgaca attgcagagg cacaagaaaa aatctaccag ggctcagcac 240
tcaagcactt tccccacatc caggggtcaaa gcagtagcga ttcctacacg gacttttaag 300
cgcagcatga aatgcagcat tacacgaaca cacagtactg tcaaacctca aatgctttct 360
ttcttttagat gctttccctt gtacatgatc ctcgtagaca tgtttttata ttcgctgata 420
gtgaaagtca cgcgcaataa aatgtaacgg ttggaagcag tagtcacgaa tcgggttaaag 480
acaagtacaa aatgttaaca gttgttatct ttctcctcct cgcttttntc cgtgggttcg 540
atgtgttgac tga 553

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<210> 734
<211> 83

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<212> DNA
 <213> Mus musculus

<400> 734
 gattttgatc taggcagaag gccatattgg ttcattattgc atactgcatt gtattctgga 60
 tactaccaaa tgattaggac agc 83

<210> 735
 <211> 438
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (31)..(31)
 <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> (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

<400> 735
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 cttccttccc cttaaagccac 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
 ccagtccctt tgagctctgg tccccccct ccactgcagc ccagtggaat ggcagccagt 360
 gtttaaccag tccttgccctc tgggtctgcc agatgctggg gtgtaaatct tactgctaga 420
 ctgatgtcac cacacaga 438

<210> 736
 <211> 339
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (60)..(60)
 <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> (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

<400> 736
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 tttccctgt 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>
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 <222> (137)..(137)
 <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> (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 tgggtgtttca ccgagtcacc acctttcaca gacttggaga ttctgcacta 120
 ccatgtgcct ggcacattta gacaataaga gatgaccaag tctgctattg agtagacaac 180
 tgtttccctc gaaacagact ggcacttgct ggactccacc tctgctcctn agagtctcag 240
 ccctgaagcc acattctgcc tatttgtccc cagacagacg actagagaca ggtgggtgcat 300
 ccaccagag 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
 gcccgaattg cactggatct cacggtgtag accaggttgg ccttggacat gcagagggtcc 180
 atctccttct gcctcctgag tactggaact gaagggttgt gctgcacgag gccactctgg 240
 aaaacctatg catccaaaga gtacccgacg ttgaacttct ctggaggatg agacccccgc 300
 ctccccactg aataactcag ccggacagcc cctgggtggc ttccacaagc agtgactgag 360
 acggaaggaa aaggaaaagg ctgagatggg ggggggggct ccttgccagt gaacgatggg 420

attctgagtg ttgggggtggg gccagaggag gagaaggaga gttgctgggc 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

<220>
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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

<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

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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 atatataac 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 ctgaggggtcc 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 agagtccct gccctgcag tgttggccag 180

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ggaggcccca ggctgaagtg gtcaggagcc agatttgtca gcccctcttc ccacagtccc 240
ccaacaggga gggggaagct gtccatttgc ccaaagtatt aatgcaactg aagctgtgat 300
atttccaatg actgtaggag gaaaatttaa ggggagagag gaacacaaac aaaaccaacc 360
aaccctaata atcattttct tattgtacat aacgacctca ttctcctgta tatgcggaag 420
atataacctt atatttggtg agtgtttctt gtgctat 457

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<210> 743
<211> 551
<212> DNA
<213> Mus musculus

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<220>
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<222> (59)..(59)
<223> n is a, c, g, or t

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<220>
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<222> (80)..(80)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<400> 743
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taaggttggg tgaagagcan accgttaggc tttccccgac tctttggggc cttagtcnt 120
gagactgcca gacaatcaag caggtacccc accaggaggc cagctctgga cctctgccat 180
tatcacagcc ctggggaggc ttggcctgga accccaagt ctttactcag ccctggcaag 240
gaactcaggc agggacctga ggtgggtcaa gagggcacag ctggccccta ggccctgact 300
ccctgcacag ccaggctgca acctgcccc atgcacacta ggcagagggg tggacaggaa 360
cttatggttt tagttttgtt tctaaagtgg tgctgtacc tccagcccc agggggcctt 420
ccctggcccc acttttctgc cccaccagg cattgccatc ccagcacttt gctccatgtc 480
accagatgc cctctgccga atgtatctga tcgtatgtat ttaaaaggat tcacgggcat 540
cagaatttct g 551

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<210> 744
<211> 407

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<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
agtaactcgg atagcatttt ccaaaccagt gctattcatt cttccaagg gctttgcaac 60

tcaaactatt agtgtgatag tgatgtgttt atttggtaga aatgggtata ctacagcttt 120

aatagcctta gtggaaagag aaactttttg 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

aaaagggggt 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 ggccacacac ataagcattg aggtaccca agagtcaccc tntcctctnt     240
cccccaagag gctgtgctct gtgcacacac atacagggtcc tgctgctcct gtgtgtgact     300
gtattgtaca tagaaaaaca taaaaaatta tccaatcttg aattccccgc tcacgcactg     360
ctagaatgct tctgttcaag tcactagc                                         388

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<210> 746
<211> 274
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

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

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

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

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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<400> 746
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tgaaccagca tgagcatacc atcggttgct tttctctttg ggaatcatta cagttgtgca     120
nccagcacat tctttgtccc tatcatcttt ctctcttcaa ctgctgagcc atgctatctt     180

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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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<210> 748
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 <223> n is a, c, g, or t

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

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

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 tgtatgcaat ttagtacttn agangtaaaa aaataaataa agaaaataaa ataaagaaaa 180
 aaaactgcat gcccaatggt atgcnaaaga gattcgagca tgaaataaat ttgtgtaanca 240
 tggtttctgt ctagtgcgaa gcagatttgt tttntgaag cgattggagg ttgagagaga 300
 cccgcttctg catctcgaat aaatatagta ttttcccaac agaaacagag gacagtagct 360
 tggctttggg ctgattctaa aattagtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 420
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 <223> n is a, c, g, or t

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 gccctagaag ctgggtgtct ntgaagcaca ggtaaagact gttccaatca gtagcttctt 180
 gcctcttctt ccagaatggt ccagtcagat gtcaatcatg catcttaatt tcccactgta 240
 cctcatttat attcttttgg gggtttgttt atttattttt tcttcattta gtgttagttg 300
 gtgattttct gctattaagt ggtgagacag caggtagtg aaataaaaaa catatcttta 360
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 ctgatcatgc ttgcttccaa tgattggatt cccaagctga taatataaca gactgtgggtg 180
 ttacatacac taggattaac ttgtagtacc cctttttgga gaagttattc ttttcattat 240
 tttcctttct catagattaa ttccnctgtc tatgctaact ttattnagat atgtgcaagn 300
 actgaagaat caatctatatt aaaatgatgg ctgtgtttgc ctttggagaa cagggttcata 360
 gtcttatgta aaattcttcc aggagcttat cttttatgaa acagaacaaa atcaaactag 420
 aacagaacca aggggtgactt gataaaatgg caagatagcc ccagggtaga aagagggtgtt 480
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<210> 751
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 <223> n is a, c, g, or t

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 taagatgtag actagagaac catgtgtgtc tgtcaaccg gcctcattac cgatgtagcg 120
 cagcttcccc ggctgctggg cattggacat ccgttcattt aacgcaacag tgcantttna 180
 tagtatttac cttaccnagc caataantgc ataattcaat actaacaagt ccagaactat 240
 tgtaacttgc tgattacatg acttatgtag aacaccaagc ac 282

<210> 752
 <211> 43
 <212> DNA
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<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 taaaccatt ntgcgttatt 120
 tggagtgcctt ttgttcttgt tgatagtttg tacaccc 157

<210> 754
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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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 gcatattgggt atttancaag tgtgaaacnc aaatccagta tctgatactt ctgtcactga 120
 gctcagtgtc gtggagccca aatgtaaatt tgcagctatg actcgtgctg caaaacagcc 180
 agcctattna gagaggtcac gggagtcagt ctcccttgag gaagtgacat tggagctgag 240
 acctgaatac caagtaggaa gaaagaagct aggggaagag agaattggctg gaaggcccct 300
 tgaggctgat tacagggatc aagtgcccg agaccagaag attgcattta tcaaaatagg 360
 agataagagt tggggcagag tggcaggatg taggaaggtg gagggtttag aagacttcag 420
 agataaacat ggacnccttt ttattgggtg agtttggaag gaaggggact aaggtacagt 480
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<210> 755
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 <223> n is a, c, g, or t

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<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 gccttggtc tgacctatct actgagtcag ggtcttcaga ggaagaacca 120

aggaacatgg atttctagca gttgtcttag ctgctaagca tcattatcag gcagccagtg 180

agcatgtggg agagcacctc tatgagagga cacggccgtg gatctgagaa agggtcacat 240

agctctgcc aatcgggacac tcacttaacg gaaattgtta ggctntaggt ggaggaaaat 300

tcttacnacc atcctaatac cagcatttag atgggattac aaantcccn tcctgacca 360

agtacgtgt gntntgagaa anctcgggct tgtccagtca ttccctccat gctgaagctt 420

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<210> 756

<211> 559

<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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 gtatcagggt ccttatcaga cctactatac tcaggcttct tcaagtggct caggacctca 120
 gggctgtgtt cctgaccggt 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 tgcattgctgt gatcatgagg atgattgctg 420
 ctgttagaca caaaagaacg gttatgnttc caaaatntcc ntctgctat ntntttctgn 480
 tnttacccaa accggacaac tgcttccta gttnttaact ttgntntttt atcaaggcat 540
 cctgccagag ttagcgcaa 559

<210> 757
 <211> 243
 <212> DNA
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<400> 757

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caattaatca acagtccagt aacatgcatg agctatggag gctcatgcca gcgttcatgc      120
aatggagggtt ttcgactggg tggccattgt ggccatccta aaatcagatg ctgccgcaga      180
aaatagataa aaggaccaag aaccagcaat gtgaataagt gccagaattt gcttcttcgt      240
gaa                                                                    243

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<210> 758
<211> 423
<212> DNA
<213> Mus musculus

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<400> 758
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atccagcata tctataagaa atcctctccc aaatgtgatg atgcaatgcg ggtcgttaac      120
aagtatacag gaaaatgtaa ggacttgaat acttttcttc atacaacttt tgctgatggt      180
gtccgtgtgt gtcacaatcc acccaagact tgcaaagacg ggacaagtcc aaattgtcat      240
gatagttcat ctaaggtatc tgtaactatc tgtaaaactca caaacgggc aaggaattat      300
acccactgca gatacaaaac aacaggagga aagaagtcct acacagttgc ctgtaacccc      360
agaactccaa aggaccgtcc cacctatcca gtagttccgg ttcacttgga tcggctattt      420
tag                                                                    423

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<210> 759
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<223> n is a, c, g, or t

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<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 tctgggtctca agaacacttg      240
tctgaggctg actccatgct gtttgtactt ccagttttgt taaagtgttg gactttaagt      300
atcttacttt cagctctgan agaaccatga gtgataaatt cactttntac actgtgcatn      360
ccatgtaatt caagaccaat cataattggt ttccaaagtt tagtttcgtg tccatt          416

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

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<400> 760
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gtgtgcaacg acaccctcca aggtctgggtg tcctggggta cctacccttg tggccagccc      120
aacgaccagc 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 ggaaagtggg tggttaactgt      480
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<210> 761
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 <223> n is a, c, g, or t

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

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 accaagccag atctctcaag tccaantgtg gtgtttacaa actatgtatc tcatgtcatt 120
 gaaacgggtg accggaagac tgcagaagag acgttggtcc actttttttt tttttttaca 180
 cagattaatt tgttatgggc gtcacagaga gatcatatgg aaagaggaaa tgtgacaaaa 240
 attagcatga atattttctaa atcttccaac ttgtcaaadc tgcattgtgtg ggatntntgc 300
 tgttttgtaca gactttcaga aca 323

<210> 762
 <211> 292
 <212> DNA
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 <223> n is a, c, g, or t

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 tgacccttgt ggtcaaacct ttccacctct agtccgaata ttcccttttg gatgtaatta 120
 aatttgaaag ctctncaaaa tctctgtaga atctagaggc ctgttgagga caatgttgat 180
 gttgttgttg atgatgatga tgggtgttgg gaagataaga aagaataaca gtaaaatcct 240
 gtcttgtgac ccataggcca ccacgattta cggcacaaat cactgtggga aa 292

<210> 763
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<223> n is a, c, g, or t

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 ctgatgggtga ctactggaga cttcttcccc cgggttccca tatcgtcatt gctcaggccc 180
 ctggctattc caaggtcatg aagagagtca ccattccctt gcgcatgaag aaggccggcc 240
 gtgtggactt catcctccat cctctggcga caggaccna gaacttcctt ccnggacctt 300
 cnagagcttt ancctcngnt nccaggatcc tcagagagag cccacacaga tggattttga 360
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 tcacatca 428

<210> 764
 <211> 194
 <212> DNA
 <213> Mus musculus

<400> 764
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 gatcaggacg attattgagg aggtgacacc tgagggtaga gtcctttcgt ctatgattga 120
 atcagaaacc aagaaacact tctattaagc tgcatagaag agtctcttca tacggggccac 180
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<220>
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 <223> n is a, c, g, or t

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gaagaccact acagtcaaga cctctagccg gagatactag cagcaaggct ttgagagttg 120
ggccttggtc cttgcgctgg tcatggcttc tcaggaccgc agaggctgag tatttgtagt 180
gcacaattta catataattt gcatttggga aagggtcaa atctactcag gtttttctcc 240
ttggttatgc agtggaatgg gagggaagtt aggnacacca nctgggtgat ttgggggtga 300
cctgaccatt tagagggggt aggatgtcca nttctacgtt ttcacctcag cagatctgct 360
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ttgtcacctc acggtcaag 439

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<212> DNA
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<400> 766
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 <223> n is a, c, g, or t

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 gatgcaaaat atcagctggt ggctggcatc aagtactacc tgacttttga catagaaagc 180
 acagagtncc gaaagaccag agtntctgga gaacacatgg acctcaccac ctgccntctg 240
 gctgcagggg ggcagcagga gaaactgcgt tgcaantttg agntccttga agtcccctgg 300
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 atgtctgggt ctggggaatg agagttgctg acttggggtg atccagcctt atgcaaattc 180
 ggaaatgcaa acaactcaag ttctcagttc atcccttctg ctctctgatt ccgagtaccc 240
 tgtcagactt tgtctcctaa tttaaagttt aatttacagt tctatcagaa atacttgagc 300
 tgtgtgtagg gggcaggaag aggaaanttc canccnaatg aagantcacg agagggaatg 360
 tnccttttnc tgcggttccg gagaccctt gacttgcttn cctantccct acaaccnctg 420
 agttgataat tctntccggg agagcttctc tgcaggggct gctgggtaat gcttgtgacc 480
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 cntntntnt ggttttcccg cagaagtact tagaactntc tgtacntcnt nttcatntcc 180

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ctaaagctca tntaccacga ggtnttcagg tnncccagnn tnntgagatg cattggcttt      240
gctttttttt tntctgacaca actaattgag aatgagatat tgaaaaatta gctttgaaaa      300
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 gtccacacaa atcactgaaa attgcacaca agcagctaac atgtgtatgc ttacattctg 180
 atggctgaag tgtggccatt acggaggtct cctcagaacc atgaagaata tgttgggaaa 240
 accctttcng ncagtttntn cnaatttgat taagntcngt gactacnntc caggcagaaa 300
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 ataaaaaatg ttgcaatctt ttcagagaat tctaaaaaga ctataggatc ctataataga 180
 tccaatgatc tatagtgtca tatagatcct atagttataa aacattaatg caaattggcc 240
 caaatctcat ttaaaaaataa atattttcaa aaaagaagta attataagta atgagcttgc 300
 aaatcagtgc tgtggantga tnantcttag ttaaaantgt ttacttcgca aaatgaaggc 360
 taatttgtgt tgcctattaa ctaactccta ctaggttttag atgactatat gaagactgtt 420
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 tgcaaggata gcatcagtct aagcccagag cagctggccc agctccgtgg tcttctgtca 180
 agtgcnagag ggnagagcct gcagttccag ttctgagcaa ccaccgtcca cccaacccc 240
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 atccacagag agcttaatgc ctagccgtgc tgagtgtga actgaggagg ggccgcccga 180
 ccggaagnng ncnagaagag ncnngnnnn nnnnnnnnat gtataaacct ggggaagatg 240
 aagacctgcg aagggttact gctttgatag ttactttgtt agtttcacat ttgtaacagt 300
 gaaatttgta ctcgtaaata caagcagctg gacaccggca ttaccgatcg taaaattaga 360
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 tatgactgga ggcattgttt tcattgtggc aggtcttgct gccttggtag catgttcctg 180
 gattggtcat cagattgtca cagactttta taacccttg acgcccata acgttaagta 240
 cgagtttgga cctgccatct ttatcggctg ggcagggtct gctctggtcc ttctgggagg 300
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 ccccggttc tttagcccggt ggcaccacag ctatgtagta gccactctgc acttccagaa 240
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 agtgacatcg cttgcctttt ctctcagccc atgtggaagc ccctctatnt tntagaagtc 420
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 agagcatggc cttcactgga gatgccctgc tgatccgagg gtgtggacgg acagacttcc 180
 aacaaggctg tgctaagact ttgtaccact ctgtgcacga gaagatcttc acacttccag 240

gcaactgtct aatctacccg gctcacgatt accacgggct cacagtttct actgtggagg 300
 aggaacggac tctgaacca cggcttaccc tcagctgtga ggaatttatc aaggatcatgg 360
 acaacctgaa cttgcccaag ccacagcaga tagacattgc tgttcctgca aatatgcgct 420
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 tcacatcgga gcagtgtaac aaccgtggct gctgctttga ctccagtatc ccaaattgtgc 180
 cctggtgctt caaacctctg caggagacag aatgcacatt ttgaagctgt ccaggctcca 240
 ggaagggagc tctgcaccct ggactcctgc tgctgatggt ggnccaaggg tagcaagcat 300
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 aatcttcctg atccagtcg tatctgtgtg aactgggagt ctgnctctgg gattgcagaa 180
 ttctggctga atggaaaacc actggggagg aaaggnttga anaaggata cacngtgggg 240
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 aaagcaatcc tttgttgng gagatatggg atgtttcctt gtgggaccat gtgntcccc 360
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 agtgtgacaa ttccttttgt ttataatagt aatttgccca ttccttcaga cgcatgccac 180

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gacattagcg tctggggggtt tctctggcac cgtcactcac tcaggatctt atcctgatct      300
taccctcctc cacactcaaa agggaggggt aaggccaaag ctgggcttac agctctaacc      360
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 ggagatggag cagtgggtag atgctcaggt ccaggaactc ttccagggtc aagaagaatc 180

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tctctgagcca gagattgatc tggaagctct catggacttg tcaacagaag atcaaaggac 240
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ccatntcctg aagcnntcag cactgccagg atccacattc ctgacnctgg atantggctn 420
gaaaantntt ggatatggac aagggctgca gaagacaaag agagacantt gtatagccca 480
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<222> (423)..(424)
<223> n is a, c, g, or t

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<400> 781
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ccttctccaa aaagctagaa ctgagctcca ggaggctgac tttctacagc atgaagccta 120
cactgtgttt ccttttcata ctcgtctccc ttttccact gatagtccca gggaacgcgc 180
aatgctcctt tgagtctttg gtggatcaaa ggatcaagga agctctcagt cgtcaagagc 240
ctaagacgat ctctgcact 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

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<210> 782
<211> 322
<212> DNA
<213> Mus musculus

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<400> 782
gtggcggcag aaactcagcc caattcacct tgccctgctga atggcagtgt gggcttgaac 60
atcttcagcg ccatctgttc tgcgggtgggc atcatgctct tcatcacaga catcagtatc 120
tcatcaggat acatctaccc tagctactac ccttaccagg agaacttggg tgtgagaaca 180

```

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ggcgtggcta tttctagtgt gctactcatc ttctgcctct tggagctcag cattgcaagt    240
gtgtcctccc actttggctg ccaagtggcc tgttgtcact acaacaatcc aggtgtggtc    300
attccaaatg tctatgcagc aa                                             322

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<210> 783
<211> 402
<212> DNA
<213> Mus musculus

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<220>
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<222> (116)..(116)
<223> n is a, c, g, or t

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<220>
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<222> (124)..(124)
<223> n is a, c, g, or t

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

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<220>
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<222> (165)..(165)
<223> n is a, c, g, or t

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<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

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

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

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

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<220>
<221> misc_feature
<222> (228)..(228)

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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> (368)..(368)

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

<400> 783

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ctggccatgg cccaggacac tgtcctggag gacatcacc tccaggacat ggtggncat 120

ccntggcca tggcccaggg cactgtcctg gaggacatca ccntncagga catggtggcc 180

catcccatgg ccatggcca gggcactgt ctggaggana tnaccntnca gggcatggtg 240

gcccatcca tggccatggc ccagggcact gtggccctca ccctggtcca catcactgag 300

aaatcagaag aaatgaagac acaagatgag gagtntgcat ggaatcccca gctgacctgg 360

caccgggntc taaactagaa ttttccttg 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 cagtgccttg cctcctgggt gtgacttggg acacctggtg 240

actccacca 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 tgttggtgtc 120
 ttgcagagga cagtcattgt gttatctatc accaaatttc ctaggttcca cttatccttt 180
 ctgtttcagc ctgtgctcct tcattcttta gcattacact gaatttaaaa tgtgtcaaac 240
 agaagaacaa agtgaagtcc tgggtggggg tgttgggggg gtaagtggga nccttggtct 300
 ttaacatggg caacagcttc ctctgtgctg ttaatgttgt taatggcggt cctccaactt 360
 ggctatggca cagacgctga tgaggttatc aaattcaact gctctatttc aagaaagatn 420
 tacttctac ggcacaggaa ctggtgagct gtntggggtt 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 tttaaattgt 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>
 <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> (353)..(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> (364)..(364)
 <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> (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 cttttagggtt tcttttttcc 180
tatgtatgcc aaaagaacaa ttgtccacct catcggttac agaagtatgt gtcttagttt 240
taagaaatat atattatgtg ttttgggagg aagaccatgt tttaaaaata ctttacntc 300
aaagccaaag tgatggaaaa atgnctgngt ttaactgaca ggcacatggc aannttcntc 360
atantnctat ttttttatgt ttgtntntnt tcatgatatn tgctaagact ttggggaaaa 420
aaaatcagcc ttttagaagc tgggttttat gtatgctgat cttt 464

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<210> 788
<211> 382
<212> DNA
<213> Mus musculus

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<400> 788
tgacactact ccagtggcca atacttttgg ccgtgtacca cttcatacc agctgtactt 60
cattcctcgt taaagcagaa cactactggct gttgctatgc tggatatctt 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 gacgagggtca actgagagcc 360
atctatgctt tgcttgactc aa 382

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<210> 789
<211> 495
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

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<400> 789
acctggagat ttcccaaaga ttcagagggc tcaacgagct gtcaagacaa gattgaggct    60

tcaccgtctc ctccaagggt tccagagtga ggtgggaggc tggatatctgg accagactgg    120

ctctggagag taggcggcna ttgaaagaag gtggtacacc agagtctaga ctcccatgtg    180

aagcacaagg atgctatctg ncccacctgt ctctctttcc agcctcactt tcacctgccc    240

tagcacccca tgctctggcc ctccccagcc tggagctaca aagccatcag gactggacat    300

gaggtagagg ctgggcaatt ggccactgct cttgagacag aactcgcccc ctcttagtg    360

tccagggagg cctgcggatg gagaggaagg cntctatgag tctacctacc tgctcatgcc    420

caccttccca caggctgccc atcacacccc agggagcccc cagaccatgg gggactcgca    480

gctgtacagg gctta                                                    495

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<210> 790
<211> 355
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

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

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<400> 790
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tgттаagtat ttttattggt tgtattcata tatggtgttt aatccaagtc aaaaggaaaa    120

cacttactaa aatagccagt tatctatctt ctgccacagt ggaaagcatt tagtntgggt    180

tagagtcttc agaggctttg taattaaaaa aacnaaaata gatacagcat caaatggaga    240

ttaatgcttt aaaatgcact ataaaattta taaaaggggt aaaagtnaat gtttgataat    300

atatactttt atttatactt tctcatttgt aactataact gatttctgct taaca        355

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<210> 791
<211> 423

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<212> DNA
 <213> Mus musculus

<400> 791
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 cacctaagta agcagacaag gtgtggtggt tttgtaatgc cagtgtctaga 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 aggaggggtac 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
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 aacaatctgc tttcactaaa tttgaaagtt tcttcaatga acaaggcaaa tgaatttgca 120
 gtaacactca cagttacaaa taacgtggat aaatgcatgg tgggtgaaaat 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 ntccccata 420
 gatccatggc accaaaccac ctgagggaat 450

<210> 793
 <211> 383
 <212> DNA
 <213> Mus musculus

<400> 793
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 ctagtctggt cactggtgaa atttcacaga cctgattatg ctgatattcc atatcctgac 120
 tggggagttg ctcttggtg gtgtatgac 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

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 ataccaaattg ctgctgccag tgttgctggc cgttgccttg ccaggggtccc tatgaactgt 120
 gagctctaga gttctagatc ctcttctgct gggctcggag actcagaagc tcaacataga 180
 cacngagaaa atgaatctcc aatggtggtt ttgtgtggga ccgtgaaagg tagcttggtc 240
 cccagctgag ctaaggcttg aagccctagt acttctgaag gaacagtagg tgcttcacct 300
 gtactggggg accaggcccc ggtcactagc tgcagacccc catagatttg tagccatcag 360
 tcacataagg acaacgtccc aagcccctcc acatgtagag gatatgaccc gtggtca 417

<210> 795

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

<400> 795
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 gagggcaacc aattgctgtg ccatgtcaca agaaaaatga atcatctcgg cagttttgat 120
 tatagtttta ctaaacacat ctttgtattt ttttcccact tttgaggttg aatatcattc 180
 tgtagttaa attgctttca ttcatacatt taaatgttca tagttttaaa tttcaaccaa 240
 ttgccaaaag agtgatataa aagggttagc atgagaaaat tcctttttaa ataattaatt 300
 aattaaaaaa atcagttgcc aactgggcac acttatgaaa cagttgataa tttattatat 360
 gttcagaaag attcttagta agaatatatg agaatatgca gataggttgc aatcataaaa 420
 tgggataatt tttcttataa gtttaggctt tctactgactg atgaatttct acaattaata 480
 cctcctcata gaagtgg 497

<210> 796
 <211> 560
 <212> DNA
 <213> Mus musculus

<400> 796
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 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 actttacat aaatacaa 300
 ggaggactac gtaatcgga 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	ttcttggtc	acacggaaca	actccgaaga	gttggttttg	atcccatctt	180
gcaacgagtg	gcccacggag	agttctttat	tgatgggctg	gggagactgt	tggtgggctc	240
ttgcccgggt	gtaattataa	accaccaagt	aagaacacca	ccaaaggatc	caaagctggc	300
tgcccttgag	aagacttatg	acaaataccg	ggccaacacc	aattctgtga	tccaattcaa	360
ggttgcactc	cagtacttca	agaaccatct	ctactgctcc	acttaaaaag		410

<210> 798
 <211> 166
 <212> DNA
 <213> Mus musculus

<400> 798	
tggtatgacgt	cgcatatact gtcctgaact tcaattccca gcaacccaac cggccaactt 60
cagcccccttc	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 ctctttctga caactctcct 120
aacaaggtgg	atgacgtcgc atacactgtc ctgaacttca attcccagca acccaaccgg 180
ccaacttcag	ccccttcttc tccaagagcc acagaaacag ttatttcaga agtaaaaaag 240
aagtgagcat	aatctgtccg tctgtcctgc tggtgcacc agtgatgcat tcccggattc 300
tgttcctcac	tggaggggtct cagcacacac acacgtacac atgcacgcga gcacacacac 360
acacacacac	acacacatac acacacacac ttacacacac actcatgcat tcaactctatt 420
gactccttca	gtgtctatag aagaaaaggt ggatcctgga gcctacagaa aactcaaccc 480
ttctaggctt	tcaaatttgg ctgagagtga ggtatcaaaa tttctcacc tttcacttt 539

<210> 800
 <211> 293
 <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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 gtggggggctc tgcanggggg gccttacagt ccgaagaacc atcataatca agggatatgt 180
 acttcctaca gccaggaact ttgtcatcaa cttcaagggtg ggatcgtccg gagacatagc 240
 ttacaccta aacccccgca taggtgacag tgtgggttcgc aacagcttta tga 293

<210> 801
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 801
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 acctgcaaaa gccaatggtg ttcagtgtct tgccctgctat atggaggcag gcaggggtgtg 120
 tattccaact cctctgaagt gcacaggag cgagacgaag tgtgttgagc ttataggcac 180
 agctgttgga agcagtagtc ccctttcggt agtgatgggt ggatctggct gtgcgacaga 240
 aagcgctgt aacctgaata tgaccgtttt ggactttgta aatatccgca ccttttgctc 300
 cag 303

<210> 802
 <211> 242
 <212> DNA
 <213> Mus musculus

<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>
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 <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> (73)..(73)

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

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<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

ttactttcctg tgctaagcac attattttga gaaatgtttt gcagttctta tcaagtttag 180

tgtatctggt ttatactga agtncttttg 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>
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 <222> (156)..(156)
 <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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<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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 ngcattcact ntatngactc nttcagtgtc tatagnagaa aaggtggatc ctggancna 180
 cagnanactc nacccttcta ggctttcaaa ttnggctgag agtgaggtnt caaaatttct 240
 caccctttca ctttcctgac ccagattgtt gnaaattgac ctattcagag caccttcatt 300
 cccctcccaa ctccaantcc tncctatca gantctgact tgaatttcca taaaccttgg 360
 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 ctagagagggc tctttgtcag caactccaag caaactgcta 240
 ggcaggattc agaagaaaag acagcatctc taacatccac caggaagggtg 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 cgagcccaa gcttgcccag cgcacctcc	180
ggcctcctag ccccatgtcc tccagtccta cgccccccag ctccacacct cctagccctc	240
agcccaaagc ttccgggtct cctaagacag tccaggctgg ggacagccct tcagccgtga	300
ggtctatcct gactaaggag cggcggccgg agggggaggg cggctacaag gctgtgtggt	360
tcggcaagga catcggggca gaggtgacg tgggtggtcct caacgagccc accgccgatg	420
tggacagcgc cagtgcctcg ggaagtgagg gcagcgatga tgatgaccct gaccagaaga	480
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<210> 806

<211> 322

<212> DNA

<213> Mus musculus

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<222> (75)..(76)

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<222> (80)..(80)

<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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cagctgggag ccttnntttn cccagaatg cccttctgtg agcacatggc tgagcttcca	120
aactgtcccc agacacccaa cctgatctgt ggcacggatg ggctcacata tgaaaatgaa	180
tgccaccttt gcctgacctg gatgaaaacc atgaaggaca ttcaaatcat gaaggatggc	240
caatgctgag ntcagaggtg cactcaagcc atgaaacttc atgctggaga acagtgatgc	300
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<210> 807
 <211> 397
 <212> DNA
 <213> Mus musculus

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

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 gtagctgctt cccctcttc agtgccagtc atttgggaaa ttgggatctg gtcctgatgc 180
 tgccccggct tctgggtctt agccgtgagt gtaagaatac ccacaagcct ggctttcccc 240
 cttcgtagcg ttgtgtacaa aaacagacac cacggagaag ggtttagccg tcgccagcct 300
 ctacccggcc tggttactat tcggaatgca ttttatagta ggttttttaa ttcaantaag 360
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<210> 808
 <211> 474
 <212> DNA
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 <223> n is a, c, g, or t

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 tggaacacac cctacattga gaattccgca tagagactta ctgggaaata gaccctgcag 180
 ttacctagaa tgggtaccag agagatgatg ctggaancgc cgacagtatg gaaactgcag 240
 tggatcatgtt acgatggtag gcgaaacctc ccagaatccc atgccagag atgtctccta 300
 cccgtgggtcc ggcaatcagc accaaggaca gtgcctggcc cgctgccatc gtcggttggt 360
 ttaactttgg gttgcatttt accatcagca aagcacgctt ctaagaaaga ttacctccca 420

tntccatggc aagcactgtt tttacatag accatctgtc tttacaaggg catg 474

<210> 809
 <211> 387
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 nnnncatgca ttactctat tgactccttc agtgtctata gaagaaaagg tggatcctgg 180
 agcctacaga aaactcaacc cttctaggct ttcaaatttg gctgagagtg aggtatcaaa 240
 atttctcacc ctttcacttt cctgaccagc antgttgaaa attgacgtat tcagagcacc 300
 ttcatctccc tcccaactcc aagtcctgcc ctatcagagt ctgacttgaa tttccataaa 360
 ccttgagggt cacctaagag ttacgcc 387

<210> 810
 <211> 284
 <212> DNA
 <213> Mus musculus

<400> 810
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 gtcagcgtca agaggagcaa ctcaatcaag ctggacataa tatttgaccc aacacaagga 180
 ggcctctcag atggcgccat tgctggcatc gtgattggag ctgtggctgg ggtggctcta 240
 atagcagggc tggcatatct cctctattcc aggaagtctg gcgg 284

<210> 811
 <211> 370
 <212> DNA
 <213> Mus musculus

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cagcaataat cacattgaca gccaaagatga aaattagttt agaggagtgt tgggcaccgg      180
acaacctgag taggagacaa cctgagatccc gccagagtac tggtgctctg ggcggccata      240
ctcaggagta ctgctgcaaa ctttcaacgt ggccccgggt ggggtgtctgg ctgtgggaag      300
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<210> 812
<211> 418
<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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cagctggtat tatgcccttt gtagaccaaa tticagagct cctcttgcac cctgggaggg      180
tctacagggt cctggaagcc tgggacttgt gcatacgagg tacctatgtg attgtaaaca      240
aaagggattg ctggagtaaa atttccttta aggtgctctt caaagcaact cccaacccat      300
gttttcatga ataaacgtgc tgggtgtaaaa atgacacagg accacaaagc cagtgatata      360
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<210> 813
<211> 413
<212> DNA
<213> Mus musculus

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

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

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 nnannncnct tnaacntnga cccnnctgct tttcagactn tntactntgn tgagaagcca 180
 aagctagaag acaagaatnt tattttnttn tntnagatgg gcaggcgggg tntncaggcc 240
 acacaactgg cacaagntnt tggntataca ggggntngga antatnccgg ggcctataaa 300
 gagtggctgg agaaacaggg ctagataaaa ggctcaccag tttgtggctg ttntcagact 360
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<210> 814
 <211> 473
 <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

<400> 814

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tctctccaga agagagagag agagacagag agtgagttag tttcctatga tccagtaaca      180
cctcttcccc aggaacacag gatgttctaa aaggacatcc attcaactca aagggttcag      240
ggactccctg aaaccaccca gacagactag gccccctctt ttccaagtat attagctgtg      300
aagactngct gagaggcact ctgagacaag tntgagctgc ctgaaacaga cattctctaa      360
cctgttgagc tgtctgcaag ttgtacagag ggcttcaagt ttacagcttt tgtgacatgg      420
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<210> 815
<211> 527
<212> DNA
<213> Mus musculus

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

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ggctgcacca agaacatctc catgaactac tgttttgggt cctgtgggac ttttgccatg      180
tactctgccc aggtccangg tctggatcac aggtgctctt gctgcaagga ggagaagacc      240
agtgtccgaa gtgttacctt 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
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<210> 816
<211> 381
<212> DNA
<213> Mus musculus

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

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

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

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

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 tattttttatt tgacagnatt atntttcaaa ctttggnacg agattgttcn agcatgggtat 180
 atttttcaca natctagtta tgnaatnatn tacatattcc taattttnta ccttgtagac 240
 ttatcaaggg tagnaaagta ttttgtttat tgtatTTTTg tagcgcagac cgattccttt 300
 ccaagtcatt atnttcttgc tcaacatttt atggtgtatt tacaccactg ctttgactcc 360
 aattttttaca ggtcatgcta a 381

<210> 817
 <211> 495
 <212> DNA
 <213> Mus musculus

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 tatggaagac atcaaaggac agctcgagtc tcaccagcca gtcagtctcc taatgctgaa 180
 gactggctga ctaagggctg gggatgaagt ccagaataag ctgctcttct tttaccctc 240
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 ccatactgaa cactgagcat tgtgcacttg aaaatagatg ttgagatgca caggttagat 420
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<210> 818

<211> 444
 <212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <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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 actgttcacc cctcaggcag agcctgaccc tgatgaaagt ccaagtttat caggagttag 240
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 taccacaatt tgtatcttaa agaacaaaag gtcctcatca gcagctataa caaaattttg 360
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<210> 819
 <211> 524
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (184)..(184)
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 <222> (199)..(199)
 <223> n is a, c, g, or t

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<222> (338)..(338)

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

<400> 819

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aggnactaac atgtacaana ntgnnnnnnn caaccccgctg ctggacctcc ccaccaagga	240
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tgagaactct gtggacttgg acatggacag taaggaantt caagaggaag gatcttccag	360
gagaccctcc tgagcctgac cctgagcccc tgactgcagt gctctcagga aggtcggcag	420
gtgcgagcga acagcagaaa aagaatctgt ccttcaccaa ccctggcctg gacaccacag	480
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<210> 820

<211> 456

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

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<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> 820

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actcnccttat 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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 atttntggga cccagatcat caccagatg ggacaggaac atcattggct gacgaggtct 180
 gggaagcatg gacttctttg aaagcaagtg cacnccgcaa ttttgacacg gacacattgg 240
 cctttgatat atctactgcc cagtaaatgg acttgagtgt taaaaggaa agaacaaca 300
 tggtagaagt tagcacagta gtgtggtagg cttggagaaa caggnagatn aaatntggcc 360
 ttnnnctacn ttatntattn tgcccagntn atgganacat tgaaaggagc aatggtgaaa 420
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 tcccgtaggtc cataggccca gccatccagg gctagcggtc ctcttggcct tctcctctgc 180
 cccaggccct ngtgatattt attgtagtta aaggcaatga gagtgggtgg gagaagaggg 240
 tctggagagg tgggaattgg gtgggcaagg gcacagagct gtggcngngg nggggnntcc 300
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 gaagactctt tgcattggaag tgaacccttc cgcattagccc caatgtcttg gagtctggtg 180
 tccaggagaa cttagaagtg ctttatggag agtacttgag ctgagggcaa atggaggcct 240
 gaggtggagg agtgtcactc tggatatgtc aggcaagact gaatctccag aaaagtagaa 300
 ttctccaggt gagaagcttt acagttttgc ctaatTTTTT ngttcttttag tgctcttctt 360
 ggactcttaa ttc 373

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

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cacgggtgtg cttccgaagc acactaacia gctcgctcat aaccgagccc ttaggaactc	180
tggttgacac aagttgcacc ttcaaatat gaagtaggca ttaaatacaa aaacgatata	240
tatagccagg catgttagag aatggccctg tcaagcacct ccctggcagc atccctccag	300
cccgcacaga ttgtctagtc ctacgcttnt ntttgcttgc gattaggaac tcttaaagct	360
agttaactg catgtgcaat acggaaacca gaacggactg caccttgtgg aagaaaaaca	420
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<211> 454

<212> DNA

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<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

annngnntna nntnnccgan tccnnntnn annannnnnn ggnnnnnagan ccgggagntt 300

cacaccaaen tcagcncaga gtaaacacnt nttgcagagg aaggaggctg ccaaggggct 360

gaaggaaaagc acaggagggg ctgctttggn tcgcttgctg ggtcacttgc ctntntgggt 420

ttacttttnt cctactgctg actaaataaa aact 454

<210> 826

<211> 537

<212> DNA
 <213> Mus musculus

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 gacacatttg ctgccctagg acgagtgaac gtgaaaaatg aagagatcga tgaaatgatc 180
 aaagaggctc cagggtccaat taacttcacc gtgttcctca cgatgtttgg ggagaaactt 240
 aaaggggctg atcctgaaga gaccattctc aacgcattca aggtgtttga tcccgagggc 300
 aaaggggtcac tgaaggctga ctatgtccgg gagatgctga ccacacaagc agagagggttc 360
 tccaaagagg agatcgacca gatgttcgca gcctttcccc ctgacgtcac cggcaatctt 420
 gattataaga atttggtcca catcattacc cacggagaag agaaggactg agccctgaac 480
 cacagcctca ggtgaccac agcccactct ccatcccagg gctgtgcgca aataaac 537

<210> 827
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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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 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
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 caaggtgcag cacgagctgg atnaggcgga ggagagggcg gacatcgccg agtcccaggt 180
 caacaagctg cgggccaaga gccgggacat tgggtgccaag nnnaagatgc acgacgagga 240
 ataacctctc cagcagaccc tcgctgtggc caatcc 276

<210> 829
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 <212> DNA
 <213> Mus musculus

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

<220>
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 ctacattgac ttagatgagc tgaagatgat gctgcaggcc acaggtgaga ccattacgga 240
 agatgacatt gaagagctca tgaaggacgg tgacaagaac aacgatggcc gaattgacta 300
 tgacgagttc ctggaattca tgaaggggtgt ggagtagatg ctgggtcttgc 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 atttcctggg tcaagaatgg cctggatctg ggagaagatg ctcgcttccg 120
catgtttctgc aagcagggag tattgaccct ggagatcagg aaaccctgcc cctatgatgg 180
tggtgtctat gtctgcaggg ccaccaactt gcagggcgag gcacagtgtg agtgccgcct 240
ggaggtgcga gttcctcagt gaccaggatg gctccccaga gatggctagg taaaaatgga 300
tgccaggctg tgtaccagac cggaagggag ttggaggagc acccttttct gctactgcat 360
gtgtgtgtgc aactgtgcat cctggaagga ctggccagca gtgacaccag gcaggtctgc 420
tggtgtctga agaaactgac cctaaggata atgttaatac tgggagcata aagtgtgtgg 480
gcttcagaag tggtgactgg ggacaggccc ttttggtctg ctcatttgtt agga 534

<210> 831
<211> 121
<212> DNA
<213> Mus musculus

<400> 831
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agttcaagca gcagaaatac gaaatcaacg ttctgcgaaa ccgatcaat 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

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ggaaaagttc aagcagcaga aatacgaat caacgttctg cgaaaccgga tcaatgacaa 300
ccagaaagtc tccaaaactc gtgggaaggc caaagtcacc gggcgttgga aatagatgaa 360
actgttctcg tcaaagctgt gccccctgct tgtgtccttg ccccgatcat cccagctctg 420
ggtcctcctt ggcacccaat gcagactcct gtttggatag tgggagctgg cttagctaga 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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taacaggggtt gccactccat ttggagggtt tgaaaaagca tcaaaaatgg tcaaattcaa 180
agttccagat tttgaactac tgctgctgac agatcccagg ttcttggcct ttgccaatcc 240
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cntcgtgatc acaactgagc ctacagaaga cnccactgta ccggaatcag atgacctgtg 360
agaggggaagc tggggatgcc acaggaagtt ctgcacatag aagctgctgt tgntctgctt 420
agggcaaanc cattggagtt gctcacctct aaagtcactc aatagcagtt aagtacattt 480
catcttatgg cacttaa 497

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 <212> DNA
 <213> Mus musculus

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 cctctgtcct gactgtggaa aggatatttg aaggcggcac agaagccaca gcgcgtggcg 180
 cagaagattc ggatgttttc ctttcataac caggcaatgc tgtgttctga ttcccaccag 240
 ccaccacgag gcttcctctt gctgccctgg cttcacattt gttgaaacct ctttagttct 300
 tttctttctca gtggggacaa gatccatccg taagccccg 339

<210> 835
 <211> 564
 <212> DNA
 <213> Mus musculus

<400> 835
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 ttgaatccac agccatccac tgggcatgtc gtggaggaaa cgcagatgtc ctgaaactgt 180
 tgctgaacaa aggagccaaa atcagtgcc a gagacaagct tctcagcaca gcgctgcatg 240
 tggcgggtgag gactggtcat tacgagtgcg ctgagcacct catcgctgc gaggctgac 300
 tcaatgccaa ggacagagaa ggagacaccc cactgcatga tgctgtgagg ctgaaccgct 360
 ataagatgat tcgactcttg atgaccttcg gtgcggacct caaggtcaag aactgtgctg 420
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 <223> n is a, c, g, or t

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 attgcacccc tttgtgttct cacttgcata aagctattca aggtactttt taaaaggcaa 180
 gggttgatcc ccgcagccct tctctgaatt ctactgctg atatctgaat gaagcaacag 240
 aaggcacgca gtaacgcaga cgggaacgga agcagttccg caggactggc ncggagnctc 300
 gccaccacc cacagatttg gttcggtttg g 331

<210> 837
 <211> 416
 <212> DNA
 <213> Mus musculus

<400> 837
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 accatcgcca atgtgacagt agtcttgggt tttcctcttt cttttggcca cctgtgatca 180
 gtcattgggtt aaggacgcct tgacaggcca tcttttgata tccaagctga agcaatatcc 240
 attcagagat ttcatagggt gcatcataag acatgggtga ccatgtacat cgattcattt 300
 tatgtttttc ttttttcttt tctttttatc attttgagtc cttttaaatg taattctaatt 360
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<210> 838
 <211> 387
 <212> DNA
 <213> Mus musculus

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 gcctcatata ttcaccagt gtaagagagg ctgaaggata aaaggctttt ctttttctg 180
 atggagaccg tttaggtctc tgaatgggtc tgctggctgc ccagagtgag ctgggaactg 240
 aatgcaccct ctctgtcccc gctagtgagc tgtcccattc tgagttaaaa tcgctttatc 300
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387

<210> 839
 <211> 562
 <212> DNA
 <213> Mus musculus

<400> 839
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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 gaccagaag atctatgacc tccgtggcaa gtttaagcgg 300
 cccaccctcc gaagagttag gatctctgca gatgccatga tgcaggcgct gctggggacc 360
 cgggccaagg aatccttga cctgagggcc cacctcaagc aggtgaagaa ggaggacatt 420
 gagaaggaaa accgggaggt gggagactgg cgcaagaata tcgatgcact gagtggcatg 480
 gaaggccgca agaaaaagtt tgagggctga gccatggctc ccacactgtg ctctgaagga 540
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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

<220>
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 <222> (291)..(291)
 <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>
 <221> misc_feature
 <222> (367)..(367)
 <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>
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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

<220>
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 <222> (478)..(478)
 <223> n is a, c, g, or t

<400> 840
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 acgggagagc cttggcaaga aggccaaacg ctttctgggc cgcacgtgg ctcgcaacag 120
 ccgcaagatg gccttccgcg ccaagtccaa gtcttgccat gacctctctg ttctctaang 180

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cccaatggcc cccttngctt aatggggccag taaatggctg gagggactgg ccagggcaac   240
tgttctagat gtctcagagt tggttcatcc tctgtgtttt tcagnactnt naactatgca   300
gcacacaccc ttntctnatg ntcattggaca gaaagatagt gctgaccagg gaggcaactc   360
caaatgncca gagagncccta ggcccatgga gatgcattgt gcaggcccac atgcatacca   420
agcancctga acccagcttg tggacaggac tctncctttc tctatgcggg tgtctgtncc   480
ctggaggggag gctgttcaat atggttgctg tt                                   512

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<210> 841
<211> 466
<212> DNA
<213> Mus musculus

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<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 atgccaaactc agcttaaagc cgagcactcc   360
gtcatggggg aagcaacgca ccgctgcctt ccggctgaga acagctttgt gagggtcacg   420
attaagagtg aaactaattg ttagccagtg tattcatctg cttgga                                   466

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<210> 842
<211> 350
<212> DNA
<213> Mus musculus

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<220>
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<222> (225)..(225)
<223> n is a, c, g, or t

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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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<220>
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 <222> (241)..(241)
 <223> n is a, c, g, or t

<220>
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 <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

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 caacaataaa atcattttttg ttgctatttc ataactgtaa tttcgccctcc ttacctccac 120
 tatgaattgt aaatattttg gaaacagggtt tgcattgaggg gttgcaaccc acagggttgag 180
 aaccactggg aagagggtctg taaaaaatac ataagttgtg tagtngncca tgcntgagag 240
 naacgngacn ctgaagctga aaagcaccag gcatttggtta tattgctcac taccacatca 300
 acttcaaggt ataaactgtc agctcataag gctcttctca ttaaactttt 350

<210> 843
 <211> 556
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (331)..(331)
 <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

<220>
 <221> misc_feature
 <222> (376)..(376)
 <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> (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

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<400> 843
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 acgatgatga tgatgacgac gattcaaadc 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 ctgtgtttggc tgtgataatc nctaaagatc cagantctca cctgaagctt 360
 gtcnctctca tgtatnctcc ttgggttaan agcgtttctc aaataatgaa gataacagta 420
 ataaccnanc tgtagtaaga cacagctctt tcttttcttg 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
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 ccagaggggt aggggacctg cctgcagaag ccgcaggagt tggccagaag gcccccaaa 120
 gacgccttcg ggccccatgg gaagtcccca gcccatcacg tcgacgcggc cgcaattcc 180

gagaaatgtg aaacttaggg ggtgggggagc ccggaagca gccacgggga gctgctgaga 240
agccccagt cctcagaggc cctacggggg cccagaccc ctcacctcg gagggaaacta 300
atgttctcgg gttttgtttt ctgttttctg ttttggtttg gttctctctc tctctctctc 360
tctctctctc tctctctctc tctcnctccc tccctccctc cttctctctc tctcttctac 420
ttacacctcc tctgggttct ccaaagccca aggtgttttt gtccagggtca 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
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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

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atcatcctgg aagaaaggat ccaggtgctg cagcagcaga atgaagacct caaagcgagg 120
atcgaccaga acacagttgt caccagacaa ctgtcggagg aaaatgcaaa cctccaggaa 180
tacgtggaga aagagacca ggaaaagaag agactgagcc gaaccaacga agaactactt 240
tggaagctcc aaacggggga cccaaccagc ccgattaaac tctcccctac atctccagtg 300
tacagaggct cctcctctng accctcctct cgggccagag tcagtaccac acctagatga 360
catcacctg ccacccatag gagctcaggc ttctgcccac ctgagggcgt gctggccagg 420
tgccggtggc caccttgtgc gcatgctcgg tagctgcaca gtgcgcatgc tcggtagctg 480
cacaatgcat cttaggcagc gtcctctctg acccttgtgc aagaccatcc tggatttggc 540
gctta 545

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<210> 847
<211> 431
<212> DNA
<213> Mus musculus

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

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

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

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
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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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<220>

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 <222> (274)..(274)
 <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> (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

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 ccatgatagc ctacgatgcc cttcttgntt cggggagcaa ctggaccgag ctgtgccagc 120
 gagccatggt tcacggagga gagagtggag cgacagggac gatcgccggc tgcctgttcg 180
 ggttgctgca cggcctggcc actnttccac ggggcttnta ccaggagctg gaacacaaaag 240
 gcgactaga agatctgggc ncancctgc accncctntc cacagaagaa aagtaaagtg 300
 tttctgacat ttcccctccc agagggcagt gcggagcncc ctactcagg cttagagctt 360
 cctntaagtt accacccgag gaacacacac ctcatgggtc ncaatccaac tgtaactttc 420
 ccctccaata t 431

<210> 848
 <211> 351
 <212> DNA
 <213> Mus musculus

<400> 848
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 aatacctgag ccgtgaacag tgtgacctca ctctagagac atgggttgct 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 tgaccacact gcatctgtgg tggtagggacc tgtggtggtt 120
 ccacgaggac tttcagacca ccgaacttac cagcactac gccacgcctt ctctcctgtg 180
 gcctcgggtg agtcggcctc gggagaaact cttcattctc ctaaggtggg ccagcctggt 240
 gctgctggtc cagtgtcccc catgtgccca gggaggatca gacacttcaa aatctaggct 300
 tgattcgggg aagtaagggt ttggcagaca ggacatagcc accactgaag ctgggggacg 360
 ggaggggggtg gcttgtccac tgacaaagca ataccacatc acagctcgaa ttccaggtct 420
 nttcattcct cagagaacag gggcagagag gtaatggtca aatttgatga aaggcataaa 480
 gccagcagca aactggcac tggtaggg 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 tatttgggag 240
 acctggaaaa gccgctggta ttctatgaag gaaaccacca tgaagataat tcccttcaac 300
 agactctcca tcggagaagg acagcagcat cacatggggg gatccaaaca ggctggagac 360
 gtttaaagaa catttcaaag ctggtttgct tttttaagg actttatcca agcagagaac 420
 tatactatatt 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 ttcattctctg 240
 agaaggactg tctgcagaca tgtcggacca tagcggcctg caatctcccc atagtccaag 300
 gccctgccg agccttcata aagctctggg catttgatgc agcacaaggg aagtgcattc 360
 aattccacta cgggggctgc aaaggcaacg gcaacaaatt ctactctgag aaggaatgca 420
 aagagtactg tggagtcctt ggt 443

<210> 852
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 852
 ggaagaacta ggctcctacg cgcgtgagag tacaagggca gactctcaaa ggcaggggca 60
 gagccagcgc ctgagcgtca ggcagaatct tcacaagtga agcagtagtc ccagcaatga 120
 cccagagggga aggaccagaa gaatcctggg atgtgtggag cgcgggacca tcgtcttcat 180

<210> 853
 <211> 541

<212> DNA
 <213> Mus musculus

<400> 853
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 caaggtgtgc aaccgcgtcg agtatctgaa caacagagtc aaatccacgg agctctgtgc 120
 cgggcaactg gctgggtggcg tcgacagctg ccagggcgac agtggaggac ctctggtttg 180
 cttcgagaag gacaagtaca ttttacaagg agtcacttct tgggggtcttg gctgtgctcg 240
 cccaataag cctgggtgtct acgttcgtgt ctcacggttt gttgattgga ttgaaaggga 300
 gatgaggaat aactgactag gtggaaggcc gagcaaaacc tctgcttact aaagcttact 360
 gaatatgggg agagggctta ggggtgtttg aaaaactgac agtaatcaaa ctgggacact 420
 acactgaacc acagcttcct gtcgccctc agccctccc ctttttttgt attattgtgg 480
 gtaaaatfff 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
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 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>
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 <222> (79)..(79)
 <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>
 <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 agatgggtgat gaaattctgg gccaaactttg 240
 ctcgaaatgg gaaccctaata ggggaggggc tgcctcactg gccagaatat gatgagnagg 300
 aagggtatct acagattgga gccactaccc agcaagccca gagactgaaa gcagaggaag 360
 tggctttctg gactgagctc cnggctaaga atccacctga gacagaccct actgaacaca 420

cagaacacaa atgaatggga ggctctgcc a 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 tcttggtca atggcaaaaa agtacaatcg aactcctgcg 120
ctgattgcc ttcgctacca gctacaacgt ggggttggtg tcctcgccaa gagtttctct 180
gagaagagga taaaagagaa tatgcagggt tttgaatttc agttgacttc agaggacatg 240
aaagtcctcg atgacctgaa taaaaatatc cgatacataa gtggttctag ctttaaggac 300
catcctgatt ttccattttg ggatgaatac taactggagg tccattttgt gccttggtgcc 360
agatgtcact gcattggaag agtgtatagg aagagtattc tcaaaatgtg atgattacat 420
atcacccata 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 cactctccn 60
ctaaactttg acaaggcagg agatcacaga acattccaga ttcgcatcaa cgtaagctac 120
actggagAAC gaccagctc caacatggtc attgttgatg tgaagatggt atcaggcttc 180
atacctatga agccatccgt gaaaaagnnt ccaagaccag cctaacattc agaggactga 240
agtgaacacc aacctgttcc taatctacat tgaaaagcta accaatcaaa ccctcggttt 300
ctccttcgcg gtggaacaag acatcccagt aaagaactta aaaccagccc ccataaaagt 360

ctatgattat tatgagacag atgaattcac cgttgaagaa tacagtgcc 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 ctgagacagc cacctgcaag cagcacaagg aacagttgct 120
 ccctgtgaag gatgtcaaag ctctgtttgt atctgagcaa gggaagagcc tgactcggaa 180
 ggaggtgtac atcaagaatg gggacaagaa agccagttgt gagagagatg ctacaaaggc 240
 ccaaggctat gagaagggtca 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 gcatgtgggt cttgagactc 120
 attaaaacaa ttcagcttcc atactactca gaaccagtaa agttcagggg aaagaggcag 180
 taaagtcttg 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 agggcccca 420
 cccgcactcc acatcctaata gccgtttagg aggtgggttt gctgggtggga tagaatcttg 480
 ctaagataaa caacaacaac aatTTTTtatt tgtctcaaaa ccatgggttt ctttggattc 540
 ctttcatttc ag 552

<210> 860
 <211> 433
 <212> DNA
 <213> Mus musculus

<400> 860
 gaccggaagg accatcacca gtgtagaagc tgttctcttg cagcaggtgg ggtggggcct 60
 ggaggaaggc aggcattggg aatcttcatt tcttcccaag gggctcaggg ggtgatcttt 120
 tgtgggctgg cacttggtga cacagtcttg gctagaggta ggtaggcaa gtcctaact 180
 tagggtcctt ccacatttgt aagcagaggc tggagaggcc atctttagac atattccaga 240
 caccctgggt gggaaaagga gagacaagtg ttggtctccc aagcttagac tggccttggt 300
 gttatacttc atggttggag gctgacctac cctacaagag tgtcccttgc tgaagacatt 360
 caggtcccca acctgtgtcc tgtcacccaa gtcacccctc tggatatttg 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 caagggggtg tcagaaatcg tgcataagg gaagaaaatc	180
aaactcacca tcacctatgg acccaaagtg gtccgcaatg agttcacctt gggggaggag	240
tgcaactgg 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 gaggtctctt atcgctcttc ctgtcctgat tgtggctgta	60
gccatgacct tggaaggccc agccccgcc 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
tgataacctt 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
gctccgcct 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
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 agtagcaaga gtgaggtgac aggagtggga gatggtgtgt ggggtgactg accgcaagcc 120
 agtgcttgac cgtgctggaa acccatgcca ctacaacctg gagttgggct cctgttaatt 180
 ctgcgagcct ggtgctggct gttacagttg gtccatggag aggaactcct gtctccccag 240
 ggttgatcatg agagcttttg ttggaaggga gcaggaggag agcatgatgc agagaacatg 300
 tgatggagtg tgtacgtccc tgccagtggc cctgctggtg ggtccagtga tgggaccggg 360
 cagagcccct atttccttag agaactctga atccagataa ggaactgagc catccacacg 420
 atgaaggagg gcttctaaaa aaatcctgta cagaacaaac tgtgtgcctt cctcatcata 480
 cagtccttac ctctgactc tcagggtgga actgactttt 520

<210> 866
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 866
 cagtgatgaa tggatttgcc tctctgccac ccccttacca gctctgcttc attcctctct 60
 aaagagatca gactttctgg ccctgctgt gatgccttct acaattgtct cagggtcttta 120
 tccacatccc tccctatcag ggatatggt tctttcatcc tggcttacag aaccctcttc 180
 tctcaagacc cagcaaacac atacagtttc tggagttata gtacaaatgc acttgatatt 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 tagcatgggt 120
 aagctttaat ttacatcttt gattgggctc tggttgaata aacctagggc atagcatatt 180
 aatgaagagt gtcacccctg gattccttta tttaacaattt tttaaaggct gaagattttc 240
 cccagagaat gacaagtggc ttgacaaca cactctaggc cttctattaa aagcaattct 300

gtagaaatgc aacagggagt tcaactatca atcagcctga tgatggcaaa ttgctctggg 360
 gggtgaaatg ggactgtgac cattcttttt ctgtgttcca tatttgctgc gcataaggct 420
 tccaaaacaa atcaatgcat agaaacttaa tgataattta taatgattat gtgacttttc 480
 atgtgtgtta ttttacaac 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 ctatctgggt tcatcccatt gaaaccaaca 180
 gtgaaaaagc ttgaaagatt agagcacgtg agcagaacag aagtgagcaa caacaatgtc 240
 ttaatatatt tggatcaggt gaccaatcag aacttggcct tctccttcat cattcaacaa 300
 gatatcccag taaggaacct gcagcctgcc atttgtgaaag 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 tgggtgattgc tgatgtgaag 120
 atgctatctg gtttcatccc attgaaacca acagtgaaaa agcttgaaag attagagcac 180
 gtgagcagaa cagaagtgag caacaacaat gtcttaatat atttgatca 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

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actatgcttg tgggtccacat gccccgcttc cgcaccgagg atggcttcag tctgaaggag     120
cagctgcaag acatgggcct cattgatctc ttcagccctg aaaagtccca actcccaggg     180
atcgttgctg gaggcagggg cgacctctat gtctccgacg cattccacaa agcatttctt     240
gaggtaaattg aggaaggcag tgaagcagca gcgagtactt ctgtcgtgat tactggccgg     300
tactgaacc ccaatagggt gaccttcaag gccaacaggc ccttcctggt tcttataagg     360
gaagttgcac tgaacactat tatattcatg gggagagtgg ctaatccttg tgtgaacnta     420
aaatattctt aatctttgca ccttttcct                                     449
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<210> 871

<211> 420

<212> DNA

<213> Mus musculus

<400> 871

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agaagacgct gttctctgtg ttacctggct tgaagatgac catgaatatg atgggactcc      60
tacagctcag tggcccagac aaagtcacca tcggcctcct gtccctggat gaccctcaga     120
gaggactaat gctgcttttg aatgacaccc agcacttctc caacaacggt aaaggggagc     180
ttggtcagtt ttaccgggac atcgtctggg agccaccctg cgagccagat aatacaaaac     240
ggacagtcaa agttcaagga gttgactacc tggctaccag agagctcaag ttgagttacc     300
aagaagggtt cccaggagca gagatttcct gctggacagt ggagatatag aactgttagg     360
agcgccactc cctgccatgt tgtcctcgta cgcaggcaga tgacacctta tgccaacagg     420
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<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 gaattatatt catgatggga agcatggcgc tcattatact 300
 cgactggatc tacaaccgc cgaatcccaa tcaccactaa tcccggggag acgcgtctcc 360
 actggaacaa 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
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 ccatctgtag cctggaagga gcttttggtta agagacaggc ngacggaccn gatatgcaga 120
 gcctgttcac tcantacttt cagagcatga ctgantatgg caaagatttg ntggagaagg 180
 ccaagacctc agagattcag agccaggnc aaggcatactt tgagaagaca cacgagcagc 240
 tgacacccct tgtcagggtca gcaggaacta gtctgggtgaa 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
 gggctacctt tgagattgtc ctgcacagaa catggaaggg gagtgcagtc caccaggact 60
 tcctgggttt ctatgtgctg gacagcttcc ggatgtcagc ccggacaaag gggctactgg 120
 gacaattctt ctccccactg gatattgaag tatttgacct ccaccaggc tctgacccta 180
 caaagacaga tgccacaatg gtggtgaaga atcggcagct gacagtcacc cgaggggttc 240
 aaaaagacta cagcaaggac cccagacatg gagcagaagt gccttgctgg tttgtccacg 300
 acaatggagc tggactgatt gatggtgttc aactgacta 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
 ctacccttac cagctctgtg ctgtgatgcg tgagcaagga cactaattcc agtcatggta 120
 ggcagggcag 130

<210> 876
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 876
 gacacccttg tggataacat ctctgtggat cctgtgacag gggacctctg ggtgggatgc 60
 catcccaacg gaatgaggat ctttttctat gacgcagaga atcctcccgg ctgagaggta 120
 cttcgaatcc agaacatittt atccgaagac cccaaaataa ctgtagttaa 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 acctagtct cagacataag aaggtatgag agtttcctgg 420
 caatagatcc taac 434

<210> 877
 <211> 562
 <212> DNA
 <213> Mus musculus

<400> 877
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 gtcgagatgg ggccatagat ctgggttatg atctcttgat ggccatggta ggcgcgtcag 120
 ggggcccagc tgggtgcggtg atcacggctg ctcttaagcc agcgatgaag gctggggttc 180
 agcggctgat ccagtattat tatgatgaga aagagggtgac caccctcag ccagagggtga 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 gtggatgggt tgggatactg 480
 tcatcgcttg ccagtaattt cttcttgaa acttagatct 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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 caagcaataa cacagtcctt catgtggcct cgatgaatgt catctccaac caggaatgta 180
 acacgaagta ccgaggacac atacaagaga gtgagatatg caccagggga nctggtggtc 240
 cctgtggggg cttgtgaggg tgactacggg gnccacttn cctgctatac ccatgactgc 300
 tggntcctac agggacttat catcccgaac agagtgtgtg cacgncccn ctgnccagct 360
 atcttcacac ggggtgtctgt gtttcgtgga ctggattaac aaggatcatgc 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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 tncagggcta catggaacaa gcctccaaga cgggtccagga 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
 tgtttctatg tcttcacccc tccctagatc tcacctaaac atgctgtcc 469

<210> 880
 <211> 367
 <212> DNA
 <213> Mus musculus

<400> 880
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 gatgcagcat ctggagcaaa ctctcaacaa ggagctcatc tctaagatcc tgctaaacag 120
 gcgcagaagg ttagtccaga tccatatccc cagactgtcc atctctggag actataactt 180

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gaagacactc atgagtccac tgggcatcac ccgcatcttc aacaatgggg ctgacctctc 240
tggaatcaca gaggagaatg ctcccctgaa gctcagcaag gctgtgcata aggctgtgct 300
gaccatcgat gagacaggaa cagaagctgc agcagctaca gtctttgaag ccgttcctat 360
gtctatg 367

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<210> 881
<211> 565
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (143)..(154)
<223> n is a, c, g, or t

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<400> 881
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gtctatggtg tgcctgtgcc agnnnnnnnn nnnnggtgtg agggtaaggt tggcatggct 180
gctgtgaaac tggctcctgg gaagactttt gatgggcaga agctatacca gcatgtccgc 240
tcctggctcc ctgcctatgc cacacctcat ttcatccgta tccaggattc cctggagatc 300
acaaacacct acaagctggg aaagtcacgg ctggtgcgtg agggttttga tgtggggatc 360
attgctgacc ccctctacat actggacaac aaggcccgaga cttccggag tctgatgcca 420
gatgtgtacc aggctgtgtg tgaaggaacc tggaatctct gaccacctag ccaactggaa 480
ggcaatccaa aagtgtagag attgacacta gtcagcttca caaagttgtc cgggttccag 540
atgcccatgg cccagtagta cttag 565

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<210> 882
<211> 467
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (43)..(43)

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<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 tgggtgtcctt tggagatggg attagctttg tgatcatcct	120
acaccagggtt tggaagaaac atccagttca ccaggacttc ctagggttct acgtggtgga	180
cagtcaccgg atgtcagcac agacacatgg gctgctgggc cagttcttcc aaccctttga	240
ctttaaagtg tttggcatcc gcccaggctc tgaccctaca aagccagatg ccacaatggt	300
ggtgaagaat catcggttga ctgtcacaag gggctcccag aaagattaca ggaaggatgc	360
cagtgttggc accaagggtca tctgctgggt tgtccataac aatggagaag gactaattga	420
tgggtgtccat 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

gtgctagcca ttgagcttct cgcggcctgc cagggatatag agtttctgcg cccctgaaa	60
acaaccactc cgctggagaa ggtgtacgac ctggtgctgct ccgtagtaag gccctggata	120
aaagatcgct tcatggcccc ggacattgag gcagcacaca ggttgcttct tgacaaaaag	180
gtttgggagg ttgccgcacc gtacatcgag aaatacagaa tggagcacat tccggaatcc	240
agaccgcttt ctccaacagc gttttcacta gaatctctcc gaaagaactc agccacaatc	300
ccagagtctg acgatcttta acgggcttcc tcgaggacag gcacatcaga tgggcctgag	360
cttagcacag cactgggtgtg ttgatggaga gagantctca ggaactgcct gtaatgtgta	420
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<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 cgcattggagc tgttcctatt    120
cctaaccagc attttacaga acttncaacc tgaaacctct ggttcaccca aaggacatag    180
atgtaacccc aatgtctcatt ggattggcct cagtgcctcc tgctttccag ctctgcttca    240
ttccttcctg aaaatcaaatt gcctggctcc agctgggaca tcttctgtga tcaccctgag    300
gctttaattc actactttcc acactggaca cactgctttt tatccatttc ttttgctgc    360
tcataatttc ataaggttct atgaacatac atttaccaat ttgcagatcc tgcacaaata    420
tttctgactg gtcctatfff ctgaaacact gttaccatat gctgtgatga tatggacctg    480
attccaagtt aaatatactc tcataaaatt gaaattacta ttgtaagata attcactgtc    540
gcttctct                                     548
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<210> 885

<211> 241

<212> DNA

<213> Mus musculus

<400> 885

```
gtatgagcac cgaaccagct gtctgctctt catgggaaaa gtgaccaacc ctgccaagtc    60
ttaatggcag tggctctgggc acctgatgta gtttggggac actctgtatt cctgttttca    120
ttctaacaaa gaggacagag ctatfffgtc atgataatct ctgtggttta tgataataat    180
ctgaacagca aacagtgcc ttaagtgcac agatgttaat gcaactaatg gttgtgccag    240
c                                             241
```

<210> 886

<211> 411

<212> DNA

<213> Mus musculus

<400> 886

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agagggacca agtccccaga aatgtccctg ctgaggtgca ggccacggga cctgccatca    60
gtctcccttt ctgtgctggt cttggtcagc tttgtagcat ccatgtctac agaaagcctg    120
```

```

agccccacgc ctggccctga gagcagccgc tggagcctgg taagggccag ggtgttggag 180
atggttgagc cactggtgac cagaaccagg gacagatggc agtggttctg gggccctgga 240
gctgtccagg gctttatgca gacctactat gaagatcacc tgaaagacct ggggtccccga 300
actcaggcct ggctgcagag ctccagagac cacctcctaa acaagacca cagcctgtgt 360
cccagactgc tctgcaaaga ccggactcag ggttaaagtg ccacgtacct c 411

```

```

<210> 887
<211> 508
<212> DNA
<213> Mus musculus

```

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<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

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<400> 887
ctccatatct gttccaaccg aatgacagat gtatcatctc tggatggggg cgaggggaaag 60
ataacaaaaa agtctactca ctcagggtggg gcgaagttag tctaataaggc aactgctctc 120
agttttaccc agatcgctac tatgagaaag agatgcagtg cgcagggtacg cgtgatgggt 180
ccattgatgc ctgcaaagga gactccggag gccccttggg ctgtgaggat atcaacaatg 240
tcacttacgt ttgggggcatt 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
tagctcctgg aggttctgac gattggatct atgatttggg catcaaatat tcgtttacaa 60
ttgagctccg agatacaggc agatacggat tcttgctgcc tgagagatac atcaaaccga 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
gaaattgcag ccctacgatc agagctgaga gccctgagaa actgggtgct cttctctctg 60
agtgannana angtnngana nagaagtatt ttgtgagcag tgttaaaaag atgagccttg 120
acagagtgaag ggccctgtgc tccgaattcc agggctctgt ggccactccc aggaatgctg 180
aggaaaactc ggccatccag aaagtggcca aagatatgtc ctacttgggc atcacagatg 240
tgagggttga aggcagtttt gaggatctga caggaaacag agtgcgctat actaattgga 300
atgatgggga gcccaacaac acgggcgatg gggaagactg tgtggtgatc ttgggaaatg 360
gcaagtggaa cgatgtcccc tgctctgact cttttttggc aatctgtgaa ttctctgact 420

gaggggtgctt gtttctcagc cctccttgat tctttagggt actcctgacg tccgcagttt 480
 gttctgaaaa ataaaatatg ggaaaatata aacaattcaa cattgggttac ccaatgcatt 540
 ctctttgtga 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 ctttcctca gacagcctcc 300
 aggtcatgtc cagggaaa 318

<210> 891
 <211> 484
 <212> DNA
 <213> Mus musculus

<400> 891
 gttctttgtg aaggatccgg aaatccggct acccacaatc accaccgtga ctgtgcctgc 60
 cggctacaac tggagggaca tcgtcagcta tgtgctggac cacttcagca ttgaaatctc 120
 tgggggtctt gggcccactg aggagaggggt gctacggatt ggcctcctgg gctacaacgc 180
 caccactgag aatgtggacc gtgtggccga ggccctgagg gaggccctgc agcattgtcc 240
 taagaacaag ttgtgagcat cctctcacca gactatgcc tcctggaggg gctgggaata 300
 tagcaagaac gaaaagactg tgcaaggcct agagccagca aagatgctga tgtagccagg 360
 ccatgccgga aggagcaggg tgaagcttcc cctctcccta caaatggaac cttgtggaaa 420
 caggatgcta aacaccttct gatggagctg ttgcctgcag gcgcactggt ctttggaat 480
 tttc 484

<210> 892
 <211> 487
 <212> DNA
 <213> Mus musculus

```

<400> 892
agacgccaaag attcccgttg aagatcgagt atacctcgtt gtcagcttg cagtcgtttt    60
aaagcgtatt tttgtgaacc ttgtgtggga atattttcag acctattttg gatagacacg    120
gcctcctagg catggaatga actttctcat agcccttttag taggtgtgca cacagcagct    180
gcccacggtg tgtagctaga cgctggctgc attttacaaa ttcatacatt gtcttccttt    240
gatcctaata tgtgaagaca cttgatatga cttcagtcctt tcagtttcta aatgctatgg    300
gtattgcaat ttcctctctt aatacttttt aattccttgc ttaatgcttt ttaatttccc    360
agctgaattc tgggccttgg ttgtattcat attgttttgg gatattaagg aaaggaagggt    420
ttgttgtttt gttttgtttt gtttttgaga cagggctctgc 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 tgcagggtgg gaacctgccc    180
attgtagagc ggccagtgtg caaggcctcc acccggattc gaattactga caacatgttc    240
tgtgtctggc tcaagggtgaa tgacaccaag cgaggagatg cttgtgaagg tgacagtgga    300
ggaccttttg tcatgaagag cccctttaac aaccgctggg atcaaattggg tattgtctca    360
tggggtgaag gatgtgaccg gaaggggaaa tacggcttct acacgcatgt gttccgtctg    420
aaaagggtga tacagaaagt cattgatcaa tttggatagg tgtgtgggtg ggtaaaggac    480
ctacactatg gaatcctcat t                                           501

```

```

<210> 894
<211> 450
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t
<220>

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<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 gactggggccg 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 gtggccccc 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
 tcaagctggg cgaccccgac atacctgtgc ccccatatga cccaaggcgc tggggccttg 120

gcacctcaca gcctagccat gaggtacgct tcctctatcg cctgaagccc gtgcagtgag 180
 ctcaggtctg agcataccct gcagcccaga gcagcactga atacccatcc tctggctctg 240
 aggcactcct tcctctcccc agctctcaga gatctgtcat gctccccata agacgccatc 300
 cctccagcgg tctctgcctg accctctctt caggaggaac acatgtggtc agctcagttt 360
 acaactgatg gctcaccac acttgactca tcctggaggg cagaccagct cccgtgagtc 420
 agatggcatc ttgcaaagtc tgcccaacc catccagcct gccttactcg atgcccttac 480
 tccaaatcct accagctcag actccagggg tgttgctcaa tggaatcgag ccatgtgtgc 540
 gactgttaat ttccactag 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 ctcaattcca 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 cagaggggaat acactgtgaa agccccaccc 180
 agtatagtcc tgggacagga gcaggataac tanggaggag ggtttcaaag gtcacagtcc 240
 tttgtaggag agttttcaga ttatacatg tgggactatg tgctgacccc acaagacatt 300
 ctatttgtgt acagagattc ccctgtcaat cctaataattt tgaattggca ggctcttaac 360
 tatgaaataa atggctacgt agtcatcagg ccccggtgtc gggattgaga tcttacaaca 420
 aaacctcatg gacatcagat ggccgatgtg taagagggtca 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
 ggattttattt aacctctcaa catatctggt tcccagacac tgggtaccaa agatgaatcc 120
 gatcattcac aaattccttt acacagccga gtacagtgc agctcttact tcagcagcga 180
 tgaatcggat tgagttcttc tgaacatcag tgaaaactac aggatttctca gtcggctt 238

<210> 900
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 900
 ctgctttcca cactggaaac actgactttt atccagttct ttgcctcct cataatttca 60

taaggttcta tgaacaaaca ttaccaatt tgcagattct gcacaaatat ttctgacagt 120

tcctatatttc taaaacactg ttaccatatg ctgtggtgat atgtacctga tcccaagtta 180

<210> 901

<211> 76

<212> DNA

<213> Mus musculus

<400> 901

agcaagtgc 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 cacctgggccc tgtggtactt 60

tattgcggga ncagcctccc accacggaag agttggcaac ttttgatccg gtggacaata 120

ttgtcttcaa catggctgcc ggctctgccc caaggcagct ccagcttcgt gctaccatcc 180

gcacgaaaag tggggtctgt gtgccccgga agtgacata ccgattgact gaagggaaaag 240

gaaacatgga actcagaact gaagggcgcc cagacatgaa aacagacctg ttctccagct 300

cgtgcccagg aggaatcatg ctgaaagaga cgggccaggg ctaccagcgc tttctcctct 360

acaatcggtc accacaccct ccagagaagt gtgtggagga attccagtnt ctgacctctt 420

gcttggaactt 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 cccagctctg cccagagccag 60
 ggcgggcgccc 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 ctctcagtc 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 gatgccaaagt ttttcttcat ccctctatct 180
 tatttgcctg cgtcactggg agactactta ttggccatat ctagggggcaa 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

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gctcagctca ggttctaact agtcttggcc ancactacct aagaagtggc gatcgcatca      60
ctctttcttg gctttattct cattgtcttt tgatcgaaac aaaagtctgc tttccgctct      120
agaaggggaag caagacacaa catcactgag cgggagtaaa tgaattgggt 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 ttcactctgc tcttgtcaca tgttgtcaca tgttgccact      420
ttcagagtgt ggcatacttc actatattgg cccatctg      458
```

<210> 907

<211> 363

<212> DNA

<213> Mus musculus

<400> 907

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gtcctccatg ctgaaagatg agtctgtctg ggagaagccc ctccgcttcc atcctgaaca      60
cttcctggat gccaggggcc actttgtgaa gcctgaggcc ttcattgcat tctcagcagg      120
ccgcagatca tgcctggggg aggccctggc ccgcattgag cttttcctct tcttcacctg      180
cctcctgcag cgcttttagct tctcagtgcc tgatggacag cccagccca gcaactctgg      240
agtctatggt attcttgttg cccctcttcc ctaccagctc tgtgctgtgg tacgagacca      300
aggacactaa ttccagacat gctctgtagg gcagtttcct gccatgtata ataaactagt      360
ctt      363
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<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

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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 ctcctaattcc 240
aaaatatgat atgtccaagg acaaactatg tcaaacaaga aaatttgatg taagtttttc 300
agcattgttt ttctattcag nacttctca gattttcttg gataaccttt 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

```

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

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<400> 909
ggctgtggac agtactctgc tcaaagaacc caaaggcatc acccaggtgt ggacgtcctg 60
tgctcggatg gatctgtggt gtatgcacca ttactggga agatagtggg ccaggagaaa 120
ccctatagaa acaaaaatgc catcaatgat ggcatcgcac tgtctggaag aggtttttgt 180
gtcaaaattt tctacattaa gccaatgaag tataaagggt ctatcaaaaa gggggagaag 240
ctgggcacct tgctgccct gcagaaantt taccgggca tccagtcgca tgtacacgtt 300
gaaaactgcg actccagtga cccacagca tacctgtaag cagagacaaa ggccagatct 360
tctaaattca aagccatctc agaaactggg acatgccctg ctcccgaaga aacgtgcatt 420
ctaacagaaa cataaatctg tgtaaact cacaacctg attccaagtc atcaccgtc 480
tgacgggtgg 490

```

```

<210> 910
<211> 511
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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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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 caagctgggg attggcaagg tgatggaaga gaccttcagc tacctgctgg gaaggaagaa 180
 aaggccgatt cacctgagct ttgatgtcga ngggctggac ccagcattca ccccggcgac 240
 cggcaccctg gttctgggag gcctatctta cagagaaggt ctctacatca cagaagaaat 300
 ttacaagaca gggctccttt caggactaga tatcatggaa gtgaacccaa ctcttgggaa 360
 gacagcagag gaggtgaaga gtactgtgaa cacggcagtg gctttaacct tggcttgtct 420
 tcggaactca acgggagggg aaccataagc cagggactga ctaccttaaa ccacctaagt 480
 gactgtgaat gcgccacatg aaaaccatct g 511

<210> 911
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 911
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 tcttcctcat cacgcgagcc cagtctccct tcaaagttta tcattaccag ttcaagatcc 120
 agttcatcaa tcaaattgag aagccggtag agcctacttt taccatgtcg ctgctgggaa 180
 caaaagaaga aataaagaga attcccatca ccttgggcga 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 cttcaccgca 480
 gccaggagaa agt 493

<210> 912

<211> 330
 <212> DNA
 <213> Mus musculus

<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> (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

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 tccttagtgt aaagtgcctc ttgttcattt accgattctt tgtaaagaaa gaaaataaaa 180
 tgaagaatga gtagagctca ctgacnatga actacatgna caaactttca ncctcattct 240
 natttatgaa ccaccttcta aacacttgac ttgattcttt tctaataaag gcacatcttc 300
 tttgtaaatt ttaccatat aagaagacat 330

<210> 913
 <211> 534
 <212> DNA
 <213> Mus musculus

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 <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>
 <221> misc_feature

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

<220>
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 <222> (363)..(363)
 <223> n is a, c, g, or t

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 actggcaggg ccatgaacag ggtggaggtg aagactgtgc tgaaatcctg tcagatggcc 180
 attggaatga caacttctgc cagcaggtga accgctgggt atgcgaaaag agacggaaca 240
 tcacccacta ggagtcggct cgaccaatcc cccaccccgc cccaccccc acatcccca 300
 ctaggagtct gctcaatnna tgcctntncc ctacctcag cccacacca cccaacatc 360
 ctncactggg gatactggag caaggaagag agacagggtc ccaagcatga ggaggggtta 420
 tggaaaactg gaaagggcat ggctctatgg tctcatacct taggaagact gagaatcccc 480
 ccttctgcac aattttattgc aattgttata aatttcggcc ttctgaatgg agta 534

<210> 914
 <211> 537
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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tttcatatct tagataatca tgaaaaatga aaatattcca agtgagtaaa gatgtaacag      180
aattgctaga gccacatatg gtcagtgaag cacaagatg cctttagaag gaactagaaa      240
caggggttcga gagtcataag agtgattgtg ccacatgacc tcatcctttg ggaatttttc      300
ctgaattatg cacccacagc tgttntttaga agtatataa agactaaaat gtaactagca      360
gacatctatt tgtgtagaag aagttnagga gggcagagaa tataaatatt aattnatatt      420
aattctcaga aaatttcaaa ttcacatctt aaacaagtac cagtgtttag gcagttttat      480
aatgttataa ttgataaaat aaaacttatt aaaatatgat ttcatttgct gttcaaa      537

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<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

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gtacagagtc tgctctgtaa tctggactca actgtttgag ccagctcaag gtcaagagct      180
aagaacttaa ggctactggg agtttttaat ttaaaaagtt tgcttgtttn tctataggga      240
agcaaagtgc ttacctctg acaccgtga gtagggagag gaacacgttt ccattctgga      300
atctcccagg ctccaggagg ccaaaggatg gctaaggaga agtagagggt gacagtcagg      360
gggtactgatt tgctcagggt gctattgtca cgatacacta cagtggatct gccagtgtgg      420
agcagggact ctttaccagg gcttctactt ttcattccct gccacatgt cacctgatgt      480
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<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

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 ctcccgtcc agtgtgaaga cacctgactg gagtggactg agtgacaacc agtgtgttca 180
 ggtctctcct gtgacatcca gagccctcag ttctcttttag 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

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 atttccttaa gacagtggct cttacagttt gcacttggct ttgaaatgct ggaaatgccc 180
 agagaaacat gaggtntgga ttgccatgt tgagaaaata gcaccaggta gaattgaaat 240
 ggatggntgg taatttgtga ttttttttct agaaactttt cattttttta caccctattt 300
 ttttgaaggt agatttttag ctatatatca cacgtctgaa tatgtctgga tgtttngtgg 360
 cactcattgc atttganagg gatgtgtcta gtccagttgg gaccacatgg agctnnnttt 420
 actttttgaa cctttgggtct 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 ggagtcgata ctccacttcc ataaaaacct gaaaggactg 240
 catctccagg agcctgagta tgtgctcatg gctgccacgg ccctcttctc ccctggtttc 300

tgtatgcaaa gctgatgggc ctgctggctg acctccggag tataaacaat gcatactcct	360
atgaacttca gcgcttgag gaactgtctg ctatgacgcc gctgctcggg gagatttgca	420
gttgaggccc aggcttgcac cctttcccca gacccccagg gatacactgg cctggaaagg	480
gtacagcgct ggaccca	498

<210> 919
 <211> 528
 <212> DNA
 <213> Mus musculus

<400> 919	
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cggccccacc ctctgagaca gtgctctgag aggtggccgg ctgggggtcac cagttcgagg	120
gggctgaaga atactccacc ttctgcagg aggcacaggt tccctttatc gccctggatc	180
gctgctcaa ctctaactg cacggagacg ccattctccc tgggatgctt tgcgctggct	240
tcttgagggg aggcaccgat gcctgccagg gtgactccgg gggccctctg gtgtgtgagg	300
aaggaactgc agaacatcag ctcaccctgc gcggagtcac cagctggggc tccggctgtg	360
gtgaccgcaa caagcccga gtctacacag acgtggccaa ctacctggct tggatccaga	420
agcatattgc ttcataacta accaggcttt atccttcctt ccttgtgtgc tccttgggat	480
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<210> 920
 <211> 525
 <212> DNA
 <213> Mus musculus

<400> 920	
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aagtgggatg acatcggcta cagtttcgtg gtaggctccg acggctatct gtaccagggc	180
cgtggctggc actgggtagg tgcgcacaca cgcggctaca actcccgcgg cttcgggtgtg	240
gccttcgtgg gcaactacac tgggtcactg cccaacgaag ctgcgctgaa cacggtgcgc	300
gacgcgctcc cgagctgcgc aattcgcgca ggtctcttgc ggccagacta caagctgctt	360
ggccaccgcc agctagtgtc caccactgc cccgggaacg cgctcttcaa cttgctgcgc	420
acctggcctc acttcacaga ggttgaaaac taagaactcc tttgagagac cttgaagat	480
ccaggaggta ttatccctga tgatcctttg agcaaccaca gacct	525

<210> 921
 <211> 158
 <212> DNA
 <213> Mus musculus

<400> 921
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 ctgactggac atttttacac tgtttgccta gaaagccaga agaagtggat gatgaagtat 120
 tttattctcc acggtcatta gtgttcccag aggcagag 158

<210> 922
 <211> 467
 <212> DNA
 <213> Mus musculus

<400> 922
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 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 ccatgtgcc aagcatttct tgtcttg 467

<210> 923
 <211> 357
 <212> DNA
 <213> Mus musculus

<400> 923
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 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
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 ggggaccatt ggattgggct cactgaccag ggcacagagg gcatctggcg ctgggtagat 180
 gggacaccat tcaacaatgc ccagagcaaa gggttttggg ggaaaaatca gcctgacaac 240
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 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

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 aatgggggtga atggtgtcga ggacaggatg tcggtgatat gggaanaagg gcgtgcacag 120
 tggtaaaatg gatgaaaaca ggtttgtggc agttaccagc acaaacgcag ccaaactctt 180
 taatctttat ccgaaaaaag gaagaatagc tgtaggctca gatgctgaca ttgtgatctg 240
 ggaccagaa gcaacaagga ggatctcagc caaaactcat catcaggccg ttaacttcaa 300
 catcttcgag ggcattgggtt gtcacggggt gccctgggtg actatttcaa gaggcagagt 360
 ggtgtatgaa gcagggtgtt tcaacgtcac agcaggacat gggaagttaa ttccccgcca 420
 accctttgcc gaatacatctt acaaacgaat caagcagcga gaccagacct gcacacctgt 480

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<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>
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 <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

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 cctgaatgca catggctcct tctgggtggc tgagtctgga gaccangtag ttggcatggt 180
 ggggtgctcag ccagtcaagg accctccatt agggaagaag cagatgcagc tctttcgcct 240
 gtctgtgtcc tcacagcatc gaggacaggg aatagcaaag gcaactggta gaactntcct 300
 ccagtttgct cgggaccagg gttacagtga tgttgctcct gagactggca gtgtgcaaca 360
 tagtgctcag gctctctacc aggccatggg cttccagaag acaggccagt actttgtcag 420
 tataagcaag aagttaatgg gtcttttctat tcttcaattc tcttactctc tcccttttgc 480
 ttcaggaccn agggatatagt gggaaatatt taaaaaaagg tccattcca tgctagcacc 540
 aggtactctc tggccccagt ggtctcactg cctccatggc ttgtcctatg tagcaa 596

<210> 927

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

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 ttggtggcct taattatittt ggaacaaagt cctgccttca agattgattt tgatctccat 120
 gacctgatac cgtcttgtga aaggaccttc ctttgagat attctttaag caagttgtga 180
 agaccctgaa acccaaaaga acgtacatga ggtttttgtg tgagcttatg ctcagaacaa 240
 cagtgttttag caagtggcat ttgacaggtg tgaatatittt cctacaatgt ggctgtgaga 300
 tccttgacctg acttctgtt gctgcttttag aacactaaaa gtctttcaaa actggaaaaa 360
 tgccctggca ggggagaata attttaccca tttaaaaaaa tggcccgatt tttagtcata 420
 ttagggatat ctgtcacat 439

<210> 928
 <211> 456
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 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
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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

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atggccaaag tactaacc ccaagtgaacc taaagctccc caagttctga atattctgcc 180
caggacccta ggatggagtc cgcattgtga tctctgttta catcctggca atcatgcttt 240
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gctcaggagc ctttggactg tcagtgtcag gcgctcaggc ctcttgggag catctgtgca 360
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ct 422

<210> 931
<211> 481
<212> DNA
<213> Mus musculus

<400> 931
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agatggctgc atttcggggc aatggctctg aaaggacctg ctgccccatc aactgggtgg 120
agtatgaagg cagctgctac tggttctcca gctctgtgag gccttggact gaagctgaca 180

agtactgcc a gctggaaaat gcccatctgg tgggtggtgac 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
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<210> 932
 <211> 539
 <212> DNA
 <213> Mus musculus

<400> 932
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 aacaaggaag aggttttgct gcctctcgac aatccctacg gcaaaataac agggacagtc 120
 aagaggaagc tgccttccag gctgtgacgt catggctcca gccggttgcg atgctgggga 180
 atactgtatg cttgcctgca aaaatttcaa ctcaggatat tgattgcttt gttctgtatg 240
 aagtaattgc tttgttggtta ttgttggtcc tagttcaaca gggaacttgt agtggtatgt 300
 atgtggagtc ccatgttagc aggcccaacc tgctccacgg ccatgggcag tttccttaaa 360
 aattactggg ccatgttagg agaatcacag tgatagttct ctttgctggt cttgtgttct 420
 ctgcctttga atccgtcttt agaatccaat tgtcataagg acataatcgt aaagtactgg 480
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<210> 933
 <211> 431
 <212> DNA
 <213> Mus musculus

<400> 933
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 tcaaccatga tgagaagcag tggaaagacc cttttgtggt ccgcccagag cggtttctta 180
 ccaataacaa ctcgcccatc gacaagaccc agagcgagaa ggtgatgctc ttcggcttgg 240
 gaaagcgccg gtgcattggg gagatcccgg ccaagtggga agtcttcctc ttcttagcca 300
 tcctgctgca gcatctggag tttagtgtgc caccgggtgt gaaggtggac ctgacacca 360

actatgggtt gaccatgaag cccgggacct gtgaacacgt ccaggcatgg ccacgctttt 420
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<210> 934
<211> 517
<212> DNA
<213> Mus musculus

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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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<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

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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 gaagggggaa aanananaag 300
gacaaaaaaaa naaaaatccc aggactttcc aacttagcat cttaccctgg agctaattcg 360
cactgccaaag tggaagcag cttgtttcat ggaaatccta ccaacctctg atgctgtctg 420
ttttaatcta cagtnccctt ctcccctctt taatgcctat aatgcttcca ttttttcatt 480
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<210> 935
<211> 421
<212> DNA
<213> Mus musculus

<220>
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 <222> (365)..(365)
 <223> n is a, c, g, or t

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 ggaagagatt gacaatgtga ttgggagaca cgcagcccc tgtatgcagg acaggaacca 120
 catgccttac acaaatgccca tgggtgcatga ggtccagcgg tacattgacc ttggcccaaa 180
 tgggtgtggtg 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
 tgggtgcagac caaagccatt ctcaactaca ttgcctccaa atacaacctc tatgggaagg 180
 acatgaagga gagagccatc attgacatgt acacagaagg agtggcggat ctggagataa 240
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 aggaacaaac caggaaccgt tacttccctg cctttgaaaa ggtgttgaag agccatggac 360
 aagattatct cgttggcaac aggctgagca gggctgatat tgccctgggt gaactcctct 420
 accatgtgga agagctggac ccgggcgttg tggacaactt ccctctcctg aaagcgctga 480
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<210> 937
 <211> 310
 <212> DNA
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<220>

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

<220>
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 <222> (42)..(43)
 <223> n is a, c, g, or t

<220>
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 <222> (52)..(52)
 <223> n is a, c, g, or t

<220>
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 <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>
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 <222> (179)..(179)
 <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> (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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 cctgnttggtt atctatcaca caagtgtca gagtacctc tttatggcca aagtcaataa 120
 cccaagtag acctaaagct caccaagttc tcatgnttct gnccagggtc ctgggacana 180
 gtctgcatnt ggatctctat atacatcctg tcattcaagc tctgattggc tgttncaaag 240

ttggcttaga cagctacatt nactatctct gtgatccac 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 tgccctgggt cttccaggct ctatgtctca tcaggacggc ggctttgggtg 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 caaccagag aagtttgatc ctggccactt tcttgatgag 120
aaagggaaact tcaaaaagag tgactacttt gtggctttct cagcaggaag aagagcttgt 180
attggagaag gtctggcccg catggagatg tttctaattc tgaccaacat cttacagcat 240
tttactttta aacctctggt taaaccagag gacatcgaca ccaagccagt tcaaactggt 300
ttattgcatg tgcctccacc ctttgagctc tgtttcattc cagtctgaaa ctgtgtagta 360
tttcacatgg atggctgaga ccctgcttct tctgtgagca aaaaggctcct cctgtcctat 420
gtacctgcat ctggtagtcc tttatgaatg gcagggatgc tacctctata ctttctcaat 480
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<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
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 atctcaccta acttcaaaga atttggcagt aagaccatt ctgattccga catcctcaca 120
 aacattgagg accccagctc ccatgtacct gagttttctt ccagtagtaa aacctcaact 180
 gtcaaaaaac aagtaaccaa gacctataaa atggcagacg aggcaggaag cgaagctcac 240
 cgggaaggag aaactcgcaa cactaagagg ggccgtgcc ngagctcgcc caacgagagg 300
 tatcgacact taactttcgg gagattcccc tgacaccccc cccccccnt agattaagtt 360
 aaccattact gcgaagtgtt taccaggcac gctgcacccg tttcctaacc tccttttagtg 420
 ttttgttgga atctcathtt ttttttggtc aacttttcat gctagactgt acgttccttg 480
 ggggcagggg cttgaccatg tgtctatttc tgtaattccc aaatgcctaa cagtgcagtc 540
 atttctcaa 549

<210> 941
 <211> 326
 <212> DNA
 <213> Mus musculus

<400> 941
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 aaaggggttc cccttgcac atatctgtcc aggctaagga tttggtcctt ctaggttcta 120
 ctggtccacc aagtatagag agatccctgg ggcctgcagt tttccctccc tcttcagaag 180
 ggatctcttg gcaacagagg tagcatgagg catgctctgc ttacttttat ccttaaaggc 240
 ctttcagatg ccagagatct gtctgttggt cctgagcaag ccatcttcca gatgggtcca 300
 cgtggccttc tgactgccat ggcctg 326

<210> 942

<211> 326
 <212> DNA
 <213> Mus musculus

<400> 942
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 ggcccatcat gatcatctct cggtttgctg atggggacgt ggatgcagtg ctatctcggg 120
 ccaatgctac agaatttggc ctggcctctg gtgtcttcac tcgggatatc aacaaggccc 180
 tgtatgtcag tgacaaactg caggcgggca ctgtgtttgt caacacatac aacaagaccg 240
 atgtggccgc accttttggg ggattcaagc agtctggatt tggcaaagac ctgggagagg 300
 cggccctgaa tgagtacctg cggatc 326

<210> 943
 <211> 463
 <212> DNA
 <213> Mus musculus

<400> 943
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 ggctttggga ggctcgatgg agaattttgg ttgggcctag agaagatcta tgctatagtc 120
 caacagtcta actacatfff 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 ggaaaatata acaaaccag aaccaaattcc 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 gtcagggtccg agngaccnag tgtgnaggcc tgctgctgaa cacagcacaa 240
 tcagggtgaga ccccttggtg cctgagacga gaganctaaa ggatgtgctg ctgtgagagg 300
 gactggaaag attgaactct ggactaaaca cggaagaagc cagttaagag aaggactaga 360
 aagccctccc cagctgagct actgcaaaca agaccccaaca aaaggcaaac cagagagaaa 420
 ggtgtgtgct ctntaaacac atcatgagcc ccattccctgt gcttttagagc ctgtgct 477

<210> 945
 <211> 417
 <212> DNA
 <213> Mus musculus

<400> 945
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 tgttccaaga taggagtttc tccttttaaat cattcaaatac aaagtaattg ttctcttttt 120
 ttctataaac agtctatttt gctaagtgtc acctaggcca gaaacatcac tcactaacag 180
 cacgtgggca tttgtttcca tcttaaaacc tgggtcctga aagctcccag gacacaggca 240
 ggggtgtctca gttcctcagc tgtctataaa ctaggcccta agcacaactg acaccagatc 300
 cacaaggccc tcattcagacg 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 ccattcttctt 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 ccccatcca cacatggacc acgcaaagtg 420
 cntggacaca tcagtcattt ccaactggct gaaaggctga acctcagggc tccaccacg 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 ctttcagaac aaaacaacat ataaaacata cctaggacca 360
 cagtatctta ccttgatgga taactttaga cagtgttgtt cctctgaact gctggatgcc 420
 tgcacatttc ataaatatta aacaccattc agctgggggg ggcggtaacc caggggctgg 480

ggaccaact 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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 gaaggaana gctggcacc ctgccaaga tcaccagtgt cgccaaggcc ttgggcgtga 120
 aactgtcgg ggcgcagacc ctgaagctgt ttacgaaca cccattttc tccgaggtca 180
 tctcagacca ggaggctgtg tctgctcttg agaagttcgt ggacgatgag aagattctgg 240
 tggagccgc gtgcggcgc gcgctggctg ctgtgtacag ccgcgtggtg tgcaggctgc 300
 aggatgaagg ccggctgcaa acccactgg cctcgtggt tgtcatcgtg tgtggcggca 360
 gcaacataag cctggcgcag ctgcaggcac tcaaggtgca gctgggcctg aacgggctgc 420
 ccgagtgata tctgctgctg ccctggcctc cctcagaggg gtcaccgggc acccctagt 480
 ggggtgggat acacttgaca atggccccc cctcctttac ctgtgtttat aatg 534

<210> 949
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 949
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 tggagcaaac tctcagcaag gagctcatct ctaagatcct gctaaacagg cacagaaggt 120
 tagtccagat ccatatcccc agactgtcca tctctggaga ctataacttg aagacactca 180
 tgagtccact gggcatcacc cggatcttca acaatggggc tgacctctcc ggaatcacag 240
 aggagaatgc tcccctgaag ctgagcaagg ctgtgcataa ggctgtgctg accatcgatg 300
 agacaggaac agaagctgca gcagccacag tctttgaagc cgttcctatg tctatg 356

<210> 950
 <211> 545
 <212> DNA
 <213> Mus musculus

<400> 950
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 acaacgggaa taatcctcct acacaacctg gcctttcccc taatggcctg aactctggtc 120
 agatggcaaa ttagaatgtg aaaacttaga agcaacaagg aaagtaacac ctagtgtgcc 180
 agattgtcta gcacttccag caaaccttca acagcagaat catgaagcaa tgaactgagg 240
 cagaagggca tctatccagg aaccatcatc catcccaaaa aatctgctat ttgtttaaaa 300
 gataaaaaag aactaggcaa agtggttcct ccctataatt ccaatgctca gagactcaag 360
 gtcaaccttg agtacacagc aagactgtct caagaaacca agaacacttt cagcagctat 420
 gaactcttat gaaggctcta tgaaacagct acatctgata aacattatca ctatttctag 480
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 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

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 gagtagtgag ctgagggtt tactggtaag tcaggggcaa gtccaactca atcatcctca 180
 catactggct gctccctcag gctgagaat gaggcttgca gcatcctctg gtttcctaac 240
 cgttatccat cctgactct 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
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 tcagaagcct ttttcagaca ctaatcttca agcatttact cttactgctc ctgacataaa 180
 ttccagtact tgggagttct taggcttggc aagattattg atttattttc cttcttatct 240
 cttactcaca actgacctga acactgtcat tctcattctg ctttttgaag tagatttaag 300
 ctgccaaatg tcccattctc tctcgctttg aaagtacaca tccaagagaa gattatcttt 360
 ttaagtcata ccataccta gctcatgtta tatttcgtat ctgaaatatc cccacagac 420
 acacaatgta ctttgctgat tt 442

<210> 953
 <211> 77
 <212> DNA
 <213> Mus musculus

<400> 953
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 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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cttttttatt 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
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aaaacccatc atcctaaagg ttgtgtcaag agataaaccc agaactggat catgaatttc 180
cctcagaaaa catgttatat tcttcaagga gactgtgtca tagaacacaa gagaatttaa 240
ttaactttag aacaacataa tatgggcata ctcaactttc cttgatgatt gaatattcag 300
aaattcactg aacatgtcga 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
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<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 tcttcccca gtcacatcca acacatgcct ggaaccccag	120
attctcccat tattcggctc tgctggagcg actcatgagc cttttacccc 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 cagtcagggtt gggcatgtta ttgaacatct gcaagtggca	120
ggattctgaa tcaggatgga ggaatgtgtt tttcctgtct gctgctgtca acatgtttgg	180
tctgatcttt tatctcatat ttggacaagc agaaatccag agctgggcca aagaaaggac	240
tctcaccgc ctctgaggat gtagggttgg agaccaacca aagtgtgtgac ccttaacata	300
ctttgctnat caccattctt tctttgtact tacgaccata gacacagcgc ttctctattc	360
tggtctgggtg ctagcatttt ccaaagatct tcaaagcag atcccaggct accctccaga	420
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<210> 958

<211> 484

<212> DNA

<213> Mus musculus

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

<220>
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 <222> (295)..(295)
 <223> n is a, c, g, or t

<400> 958
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 ggctgcctcc ttggcccaa ttaaaccagt tagaacaata ctggagatt ggtctagaat 120
 cacggactgg ggtgaagcta aagaagggtc ggctacagtt ctggacagag aactgccaa 180
 gaaaaattca agaatggcac cgagagcaga gaagcaggaa agttccagag gagctctgag 240
 gccagaccta cctagacctt actgactggg ccaaccaan gaatagtggc acccnaagca 300
 gggcaactac aacttctttt tgtttctgtt cagagacttt agcctggacc acgctgctgt 360
 gagcccatgt ttcttaaate atcggccctt gcaagaccag tatggtgaac cactaaatgt 420
 tatcaatctg gtttctactt ctgatcatt gaacatactg ctgtttcttc ctaaagtgac 480
 ttga 484

<210> 959
 <211> 486
 <212> DNA
 <213> Mus musculus

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

<220>
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 <222> (67)..(67)
 <223> n is a, c, g, or t

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 <222> (105)..(106)
 <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> (144)..(144)
<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> (164)..(164)
<223> n is a, c, g, or t

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<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

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

<220>
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<222> (291)..(294)
<223> n is a, c, g, or t

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<222> (296)..(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> (304)..(310)
 <223> n is a, c, g, or t

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 aggatgagac tgtctnggga gaangcccct ccgnttccat cctngaacac ttcctggatg 180
 cccagggncct attttgtgaa gcctgaggcc ttcattgccat tcntcagcag gtcgtcgagc 240
 atgcctgggg gannccctng nccgnatgga gctcttcctc ttcttcacct nnnncnnncn 300
 nnnnnnnnnn ctttagcttc ttagtgcttg ctggacagcc ccagcccagt gactatggca 360
 tctttacatt tctggttagc ccctccccct atcagctctg tgcattcaca cgtttagcagg 420
 caacaaatcc tagtccagaa actagcttag agtcacacgc acaataaacc agttttgtgg 480
 ctgccca 486

<210> 960
 <211> 503
 <212> DNA
 <213> Mus musculus

<400> 960
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 gactcagatt tcattgaaga tgtggtagct accaccccc catatgacac tggggcccat 180
 gatgatttga tccctgatat ccatgtacag ccagatagcc tttcatttaa gctgatatct 240
 gattttccag aagcaacttc ccccaaattg cctgggcgcc catggaagcc agctagctgg 300
 gaggatccaa acacagaaac aacagaattt tctgattttg atctccttga tgctctttct 360
 taacttacgc agcctaggta gcttcacaaa tgctctccca gcctttcttt ctactgccca 420
 agcacaaaca ttgtgacctt 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 ttcctcaac	120
cgctgtcgaa tgatgtccgc gcggccccc tctcctgcc tgtccagggt gccacgaga	180
aggaaaaggt gatccccaca gccttgctga gtctcctact cagggtgctcc atcactgagg	240
ctaaggaacg cctggctgca gcttcttcag tctgtgaggt tgttaggagc gccctctctg	300
ggccagggtca gaaacgcagc atccaagcct ttggagaccc tgtggtgcc tgaattgatg	360
tttctgtgac cattgaaaag tctccatcca cttctgaggg gacttgtgcc agtaatacac	420
gttgcaggac agactcagtt ccggtgggtg gggcactaac agcccagaat tgaggaagag	480
tcctgttctc agctggatca	500

<210> 962

<211> 48

<212> DNA

<213> Mus musculus

<400> 962

gaggcccttc ccaaagtatt aatgttgtgc acccaaatta cattaata	48
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<210> 963

<211> 558

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (302)..(302)

<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> (356)..(359)

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

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<222> (363)..(364)

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

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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 ctctttgcc aacatggaa      540
attctccatt gatttctt                                     558

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<210> 964
<211> 555
<212> DNA
<213> Mus musculus

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

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

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gaactaagca gaaggactca agttccagaa gtgttcctca gcaaagttct ggagccnaac      180
ccntgaaaac ccttagggag tgctgtgaca ctcaggattc tgttgcctgt ttcagcactc      240
agagtcccct gctgaagagg caactaactt ctttcatcga aaaagggtcaa gaaatgtgtg      300
cagattattc tgagaacaca ttactgagt acaagaaaaa attggcagaa cggctaagga      360
caaaaacacc caacacctct ccggcagagc tgaaagacat ggtggagaaa cactcggact      420
ttgcctctaa gtgctgctct ataaactcac ctctctctta ctgcagctca cagattgatg      480
cagaaatgat agacaccctg cagtcctgat cagggcccgt gcactagctt ggatcttgaa      540

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ctgaaccact ctgga

555

<210> 965
 <211> 581
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (93)..(93)
 <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

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 <222> (180)..(180)
 <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

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

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 cctttactat ttaattttac taaaaaaatc ttnccttttt ctttaaaaaa gccttcgtta 120
 ctaaattatg aaattgaaat tgtatacata agaataataa aaatcagtta aagaaatnan 180
 cagtnaacia aacacctctg gcttatcaac cttttatgat agaaggaaac tcagatngtc 240
 actttattta tagagagcta ttaagtcacg tgccatgact ctgtgaagga atggcacatt 300
 acaataaagg ctaatgtttt gaatgtgtat actagtaaag caattaacag taacctgaat 360
 ttaaagtca gtcgatggaa gtacagccta tgacagggct ttganaaacg tttctacagt 420
 gaagcagttc tacagagaac actaatgagc aatgtgtaaa ctgtttggaa ggtgctggtg 480
 aataactgga actttccaca tggcttcacc acacttgtgc cagaaacata ttctgaaagt 540

tgagctccat aggtgctcac cgtgctgctg aatttcacaa t

581

<210> 966
 <211> 481
 <212> DNA
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 <223> n is a, c, g, or t

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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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 <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>
 <221> misc_feature
 <222> (350)..(350)
 <223> n is a, c, g, or t

<400> 966
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60

ataaaaaant nttttttaaa 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 ccagtgaga ccaagggtac catttcctaa	480
g	481

<210> 967
 <211> 519
 <212> DNA
 <213> Mus musculus

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 <222> (364)..(364)
 <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> (382)..(382)
 <223> n is a, c, g, or t

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gaagttactg gaaaaggagt tgagaaaaca tatggaaaat tactcttaaa actgtttcag	120
gcagttttta acctagaagc agctgaactt tctaggaata cttcaacagt gcatcttcag	180
ccttctccag ttccaacct cctaagggtc atgtctctca cagcaggctc aaggctgcaa	240
gagtcattgc aaatggccaa ctgacttgcc catttatggt tttcttctca ccggtaaact	300
gttattgtaa ttaacactgt catattgaat tttctagagg gatgctgacc atccgaccca	360
tttntnatct gagacttggt gnactggcat ttttaatactt atctggacct ttgtagtgat	420
gcataattgg tttgaacccc ttgtcactgc cacctgcccc caccaacaca aaatcctact	480
tcattactgc tgactctgct aacgttccac tacttggttg	519

<210> 968
 <211> 541
 <212> DNA
 <213> Mus musculus

<400> 968
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 gcacttacac aggtggatta agagccccga tgggtgaatta cagaaacgca aacgaaccta 180
 gaatagggttc tgtgttacat ctattctata ggaagctcat atggagtggg 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 gaggtcagg gctacgtgg 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

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 <222> (114)..(114)
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 <222> (117)..(118)
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<222> (131)..(132)
<223> n is a, c, g, or t

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

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<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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<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> (261)..(261)
 <223> n is a, c, g, or t

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 ttnnannntt nntnnntnna ntntnnnnnn nntntntntt nttnnntnnn nnnaggagtg 180
 tccaacctga attgaaatca cttggaatgg gattccattc actggttgta cgaacactag 240
 gaggaattct agctccagtc nattatgggg cattaattga cagaacatgt atgaagtggg 300
 ctgtaaccag ctgtggagca cgtggagcat gcaggctata taactcgaga ttatttggaa 360
 tgatctacgt ggggtt 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 tcctggggcca gtgatgggaa 120
 ctgttcgttc tggaagaaca gatggctctt aaaaaaaaaac ttttacaac agacatcgct 180
 tgaaacagtt cttcagcctg ttctttggat cggccagttc caagtttctc ttctttcaga 240
 tttccgtctg tttcaatgtt tcctggggcc agccnacaaa gcaggcaaatt acagctttgc 300
 gaacttagca ggtccctgtt atgtttcttg tagaatgaag ggattatcat attgccctgt 360
 ttataaatac ggagtaatcc ttctacgtcg gaattcactt gccaaag 406

<210> 972
 <211> 494
 <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> (62)..(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>
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 <222> (118)..(118)
 <223> n is a, c, g, or t

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 tgggagtaaa ttattaacat caacatatgt agcatccaag tgactgctga gggaggacaa 180
 gtcagaaaaat gcagtctgca caggttatat 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 tattccatt gttaaaacgt gattcagagg ttacctaata taaacttggc 480
 tcttctatct gaaa 494

<210> 973
 <211> 367
 <212> DNA
 <213> Mus musculus

<400> 973
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 tacaaagga cggttgga 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 tgatctgcc 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
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<210> 975
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 ggagcctttt tcacagtgag aggtagtcac tccnagagac tcataatttc cctgattgct 120
 gagcataact gactgacatc ttgatataat ccgatattg 159

<210> 976
 <211> 237
 <212> DNA
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<220>
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 <222> (46)..(46)
 <223> n is a, c, g, or t

<400> 976
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 gagcaacaga ctgattcatg ccatgcattt gttcgctggg taacagaatc acttgacaca 120
 gcccaattat ctgcactgaa aggactctgg ctctttaagc tctcaccttt cttatttctca 180
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<210> 977
 <211> 466
 <212> DNA
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 <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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 aataaaatat ggatttaatt tatgaatggc atcatgatgc ttgtgtatng ttattttttt 120
 ttnggcaat gattctcact tatatagtca acctagaaat agcatttttt cttcccatga 180
 ttcacaaagt gagattggat ttctttgata gatccttgct tcaggtttta gaagatgtca 240
 gcagatgaca gaggacacag aagtggttat tttcttgata ttcattgttg attttaatat 300
 aagtcaagtg aaatgtatag gctgattcac cttctgctcc aatttgga aa 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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 ccacaagatt gattgacctg tccattcaaa actaccacgt gtttctcaga tacatcaccg 180
 agttactgag aaagctgcag gtggccacag ccaataatgt gagcccctat ataaagcttg 240
 ctcaaggaga gctgatgatc accttctgat tcactacta 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

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

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

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

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

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

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

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

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 tgcngtggaa gactgaagat ataaatgagc atnactggga cgggacgtct gcgtgaagac 180
 tcactggaga ttcctttcaa atnccttctt tctgtacact agattttctt ctttggatcc 240
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<210> 980
 <211> 350
 <212> DNA
 <213> Mus musculus

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

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

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

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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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 acaacancaa caacaaaaac ccctntgttc tttagcaata gaataagtca gtttatgtgg 120
 gaaagagaag aattttaaatt tgtaaacaca tccctagtgc atggtatgat tatgtaattn 180
 ctttgctatt atgagaatctt cttaaagctt ttagtttaag tgcttgcat tttattatcc 240
 tgcttgactt ggttttaaca ctntcttcaa tttaaacct ctgaatgaca tttgggtatc 300
 atattaatta tcatacacat ttccttcac taaacattaa acactttgct 350

<210> 981
 <211> 477
 <212> DNA
 <213> Mus musculus

<400> 981
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atccagggtca tgagcctact cagtttttat ggttctctac ttatggaagt agaaatttgt    120
acagtttgat  aagaaagaga ttcagctggt tttgatgttt cttaacttct cccaccctt    180
tccaggaag  cttcatgcct ggacaagcca tgaagcagta gaggctcct cataccttg    240
aagtagaaaa gatgcctgcc tgtttgtgta acaggctggg gaagattcca atacagagct    300
aatcagattg gcctcagaaa aaatactaac ttattcgttt tgttcctgtc tttcagtgt    360
gaagacttct gtatTTTTTA aaatacaatt ttatttcttt caacgaattt aaaaaaaaaac    420
acctttggaa caacaagaac aacaaaagta taattacttc ttctattgct tgcattg    477

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<210> 982
<211> 188
<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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ctctccgt                                         188

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<210> 983
<211> 83
<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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gaggcccttc ccaaagtatt aat                                         83

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<210> 984
<211> 565
<212> DNA

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

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

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

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 agcaggtaga ggctgccctc cagccagaga cgctgagaag gtggggccag cggttcctgc 120
 ccagtctgtg ggatttgcac ctgccaaggt tttcaatttc cgcaacttac aacctggaan 180
 gagatcctgc ccctcattn gtccttgcaa ncctattcga catggaagct gacttatcag 240
 gaattatggg gcaactcaac aaaactgtct ccaggggtgc acacaaggcc atcgtggaca 300
 tgaacgagaa ngggaactga ggctgcagct gcctctgncc tcctntccca gccccancc 360
 ctgaacatga cntcancccc acagnccac tataacagnc ctttctgct tctgctntgg 420
 gaggtgacca ccagantnt gctnttcttg gggaaagtgn tcaaccagc tgctgggtaa 480
 ttgtgggtggg gaggccacag gaaggcccaa cctgcacggc aggaccccc tgcatggcag 540
 gaccctgtg cttcagttct aataa 565

<210> 985
 <211> 347
 <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> (280)..(280)
 <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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 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 tcttttttgg agtttta 347

<210> 986
 <211> 537
 <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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 acagtatttt ttgcagactt tttgtcagta ttctctacac aataatagca tacattgtgt 120
 tattttatca cagcnaacct agaaatgact taagagtata aagatgccag attatatcaa 180
 aataaatgac acctcacatg taagaactga tcgtccatgg atttttggac ctttgggtgct 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>
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 <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 ctaaattgtct tgcaaaagta tcattaacat attactttat 240
 tttctgtgga gaattattat gctttaaacc aatattccat catttctaaa tgcataattta 300
 ccagggttttt tgggtattaca tagaatgcaa ttattacaga gagtatttgt ataactctggt 360
 ttatctgagg atagtttgtg gaaatgaagt gattgtgtca gtaaaagtgt tttgggtgat 420
 atatagtgcc aagtcattgga gcagacgtgc agaaatggaa aag 463

<210> 988
 <211> 407
 <212> DNA
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 <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)
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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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 <223> n is a, c, g, or t

<400> 988
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 cngagagcct cctggntcag agagagtgat ggtggaggca cagaatagga ctctggtgtg 180
 gctttnaagt ctgagggtct ctggtaattc taactctcta actgtattga aatgctggtg 240

acaacatcta aaaaaccata aaacttttctt 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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 <223> 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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 tgttgtgttcc 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 gtttntctgtt 480
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<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
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<210> 991
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 <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> (45)..(45)
 <223> n is a, c, g, or t

<400> 991

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tcattcttcat ggggaaggtg gtcaacccca cagcacagca gacctcggac tagctgggtct    120
gttaccagca ggagaatgtg actggggagt gctgggtatg aataactctg catccacgac      180
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<210> 992
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<223> n is a, c, g, or t

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

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taacgcaact gacctcctag ggggtaacac naatacatag ncacactgag ggnccnagna      120
gtggcaacta tcatcactgt acatttggag aggntgtgaa gcctgtgatt tctctctcag      180
gccttccaca aggccaccct agacgtgaat gaag                                  214

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<210> 993
<211> 254

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<212> DNA
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 agcgcccccc ctttgctcag atcgactac agttgggccg catgctggaa gccaggaagg 180
 cctacgtgaa catgtcgtg 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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 <223> n is a, c, g, or t

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

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 <223> 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

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 <222> (522)..(522)
 <223> n is a, c, g, or t

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 agagctgccc cgaggagcac gcacgtgtac cttggctgcc tctctggcgg tccactcctc 120
 aaaggcacct cagagacaac tgggccaggg aggtggancca ttcgctgggc nagaggacct 180
 ggtcacagat ggttctggaa tacctggagc ctttgtgatg accagaggac actggctgct 240

taccagaatg tgacactacc cagactgggt cacagcaggt gggagtgctc tngactaagt	300
nttctntgaa ccctcgatcc ttttcacctg ttnttgaggg acccagcncc aagttgactt	360
tcgancctcc cctattagac gantcactga accctgggtt ttcattcacac cccacttctn	420
cnngngaaaa agcactgatg caggctgctg gctcagcctc gtncacctgg acagacacan	480
cctgcngccg gagctgnccc ttgccagggg aactggttga tntcttgttt ttctcacttc	540
tagttccact gttaa	555

<210> 995
 <211> 532
 <212> DNA
 <213> Mus musculus

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

<220>
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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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 <222> (419)..(419)
 <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> 995	
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atcctagccc ccaccctgc ccannccca gtgtgccagt tcataagaat ctgcattttg	120
acaacatcca caggacatt gtccagtcatt ttcaggacaa ctgggtcttaa gagttttcaa	180
cctttgtaga acatttaaatt 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
 <213> Mus musculus

<400> 996
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 aggagagacc gagcagccac aagctggaaa ccaccggcca tgaacttgtc ccaggaacca 120
 aacacctccc ctgcacctgt tcattcctcc cagtggagac ttcagattgg aataccttgg 180
 gatctcctca cccacttta cagaactgcc caatccaggg gctctgggat atggctgccc 240
 gggattacag aaagacacgg cactgccgtg ccacacccat gctgcttaga agcctaagcc 300
 tctgccttca agctggatcc tgtgcagggg gggcaggcaa gaactcagac atgccagcc 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 atgtgggtccg 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

<220>

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 <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> 998
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 gacgtggcgc gcctggcttt ggcgtggagc cagagagcag cggcctattg gccggcagac 180
 tttgcgagcg ggctgtgccc gcgcgcgacc agaacgatgg acttttcggt aacattgacc 240
 aagaactgca tggacctaac attcgatctc attcagtatt aaaggggggt gggagggggt 300
 acaaactgca atagagactg tagattgctt ctgtagtgtt 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
 <213> Mus musculus

<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 gggtagatca agtccctctg acaaaacagg 120
 gcagaagaga aaggactctg tttgaggcag tttcttcgct tgctgttttt ttttttnta 180
 gaaacttcat gcttgacaca cccaccagta ttaaccattc ccgatgacat gcgcgtatga 240
 gagtttttac ctttatttat ttttgtgtag gtcgggtggn tctgccttca caaatgtcat 300
 tgtctactca tagaagaacc aaatacctca attttgtgtt tgcgtactgt actatcttgt 360

aaatagaccc agagcaggtt tgctttcggc actgacagac aaagccagtg taggtttgta 420
gctttcagtt atcgacagtt gt 442

<210> 1000
<211> 524
<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> (78)..(78)
<223> n is a, c, g, or t

<220>
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<222> (206)..(206)
<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> (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

<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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gcccgcctctc agagtccngt tgaccatcac tagccggggcc ctgctcagaa cagactacag 120

gcacttttaa gaacttgacc gaccttttct tctatgcgca gttggccacg acgtgggtgg 180
aacgctcaga tttcatcggt gaagtnaggc accaaactgc cgcgaaacagt tcctactgag 240
atcctggggg cactagatgc tgccttaatg tccagtggca cctgctaacc tgaaagggca 300
gctggnagaa accccggggc tgccagaggg acgtgttaaa aagggcattt tntttgttag 360
tggagaagaa cctactgaac caaaggactt agccttggac ctggtctcac tccagcantc 420
tccccaaagn tggggggccn tgtaggtacc agagccttag aggggttgcc ttcctcctgg 480
aagcttgggg cttgggggggt gggccgggca agaatttgct cagt 524

<210> 1001
<211> 297
<212> DNA
<213> Mus musculus

<400> 1001
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cttcgaaggt ttcaaactca ctcaaactcag tctgcgctgg agtctctggc gctgatccca 120
ctgcaggccc cactgaagac actgctgcaa atcggagtga tgcctttgct gaacgagcgt 180
acctggcgtg ggggtgcagat ccccttcctt gagggatatca acttcgtgcg tgaggtggtg 240
accaaccacg cgggcttcgt cactgttggg gctgacctcc actttgcaa 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
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ggcctacact cgctaccaga ccctggagct ggagaaagaa ttccacttca accgctacct 120
gacccgccga agaaggatcg aaatagctca tgccctttgc ctctccgaga gacaaattaa 180
aatctggttc caaaacagga ggatgaagtg gaaaaaagat aataagctga aaagcatgag 240
tatggccgcg gcaggggggg ctttcnccc ctgagcatct gagcgggcaa agtactgagc 300
agtagtagcc gggcagctct ctgtagtgtc agtactaagg tgactttctg aaactcccct 360
tgtgttcctt ctgtgaagaa gccctgttct cgttgcccta attcatcttt taatcatgag 420

cctgtttatt gccattatag cgcttgta

448

<210> 1003
<211> 542
<212> DNA
<213> Mus musculus

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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

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<222> (310)..(311)
<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> (343)..(343)
<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> (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

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<222> (476)..(476)
<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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 taagtagaga attagatttc tcctttccag aatagaaatg atcctcccct ccccgagca 180
 aaagaggcag tttctagaca gtagcctact ttttggaagg gttaatttac tcctaattta 240
 agtagcaggc agtgaacaga cagaaggcag aggaaagcat tgttttttn ttttttnnt 300
 ttttttttn ngagagttag ttttagtaatg tagaatgtnt tcnatacaan ccgtattctc 360
 attgtgagaa ttgtaatact taatagaata tttcagagtt tttgttttaa ccacaaatta 420
 cagaatccac ccnagaaaat gtttcccctc cnccttcctgg aattggcatc taaggntcct 480
 ctggcttntc ctctgttggt taactcaatg gtctctaggg ttgatctttt caattcctgg 540
 ta 542

<210> 1004
 <211> 497
 <212> DNA
 <213> Mus musculus

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 <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>
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 <222> (405)..(405)
 <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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 aatgcagaca agtttgggct gggcttccca aatcccttgg cagaaaacat catccttgag 180

gctcacctga tacactttgc gaactgctcc ctggtgcagc ccaccttctc tgatccccc 240
gaggatgtgc tcctggccat gatcatagcc cccatctgcc tcatcccgtt ccttggtact 300
cttgtggtgt ggaggagtaa agacagcgat gccaggcct aggggccatt tctcagcagc 360
catttttccc cctttttccc tgctggaacn caggaatggc gntcntcccc tccctacca 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 cactttttaga agcgactttg tatttttttg ttgataaacc 300
agccttcctg gaggttagtg ttttttcaaa tataacaaac tgtgtagggt ttaggagtag 360
tcagtgttat acttactgtt tagatatattt 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>
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<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 atcgtttgtgt atgactacca gcggctcctg 120
 acggcctata agccagctcc aggaacctac tgctacatca tgaagatggc tccagagagc 180
 atccctagtc ttgaggcttt cgctagaaaa ctccagaact tccaggccaa gccctccaca 240
 cccacctcta agctggggcca ggaggaaggg catgatactg gttccgagtc cgattcttcc 300
 gggagagacc tggctttcct aggccttgct gtgagcacc tgtgtggaga gctaccantc 360
 tactatatnt agcatccaca gggtcggtag aaaccgcagc gggacaggaa agaccctccg 420
 caaaggtnt 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>
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 <222> (377)..(377)
 <223> n is a, c, g, or t

<220>
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 <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

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aggccgaaca ttccaagtag cagaagagag ggtctctcaa ctctgctcct cacctgcaga	180
agccagtttg tttggccatg tgacaattgt cctgtgtttt tatagcacc aaatcattct	240
aaaatatgaa catctaaaaa ctttgctagg agactaagaa cttttggaga gatagatata	300
agtacggtca aaaaacaaaa ctgnngggacn 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
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<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

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tggagaggca gcattggatc cccatgccgc acacggggat gggatgggag cagaagccca	180
tgatgggaca cttgggtgtg ggccagggac agggcctctt tggaattagg cagaacgact	240
gccacagctc agacctcaga gattgtgaag gcagtgccaa gctcacagca gttcaggacc	300
atcccagaaa ggggtgatag cctgttttat ctctccaacc cagtatctca tgtgccaaag	360
ccttccccca ggtagacaga ggggacattg cctgagagct cttcaggaga gagatagatg	420
gttcgtcgag tgccatctta tttta	444

<210> 1009
 <211> 337
 <212> DNA
 <213> Mus musculus

<400> 1009
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 ccagcagttg gttgctgacc tcagtcattg aacttgggac aaggtgtcct ctgtgtcctc 120
 agacagacag ttggcccaga gcctggggat cgtgtttgga gagggcacag tagagagagg 180
 acaaggggtg tggttaagatg tccccactct gaagcagggt ggggcagtag agaagggcca 240
 gttaaagggc atagctggac actcctgcc aatgggtactc ctatccta atctcagctcga 300
 gtggtatgct gcgagctgta ctaagcactt actctag 337

<210> 1010
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 1010
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 gtgctggatg agcacatccg cacagactgc tttgagtcgt acaagtggac agacatctgg 120
 gcctttggcc tagtgctatg ggagatcgcc cggcggacca tcatcaatgg cattgtggag 180
 gattacagggc 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
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<210> 1011
 <211> 514
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 cccctgtgta ccccatcctt aagggtttct gtctgatgag actggaggcc cagtgcaatc 120
 cccactgaga cagcctgcag cccactgtgg ctcttgggtgc 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>
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<222> (481)..(481)
 <223> n is a, c, g, or t

<220>
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 <222> (498)..(498)
 <223> n is a, c, g, or t

<220>
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 <222> (526)..(526)
 <223> n is a, c, g, or t

<400> 1012
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 ggcccagtggt ttaaaagtat tcattcctct cgaggaccca ggatcaattt ccagcatcca 180
 catggcagct cacaaccatc tggaactcca gttccagaga atccaatgcc cttctggcct 240
 ttgtggaaac tttcatatgt atgggtataca tgcatacact acactacact acactacaca 300
 cacacacaca cacacacaca cacacacaca cacacacata cacacacaga gtaaataaat 360
 ttcttanatt gtttaacttt cacggtactt cttggaaaca atgacattaa acatagattt 420
 ntncctttgt ggctcancct gctctttcat agtcaagctt gctcatttaa tttttttata 480
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<210> 1013
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 <223> n is a, c, g, or t

<400> 1013

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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
gttccttgaa aggg                                           434

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<210> 1014
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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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<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

<400> 1014
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 natataacac ctttctatga cttgagatnt tagcntataa taagaaatat cacacattca 180
 ggtggtaaat aattaaggaa taataatnaa aaacaatctg gttgaancca aagaccttgg 240
 agaatatttc aggtagatta gagtntctgcg atttttgtaa gtgtttgtaaa gttgtgtgaa 300
 gagaaacaga gaaataaact cactcttggg agnaaatgaa actagaaaat aaacttgagt 360
 tatatttttc tagantcatt ttatatactct tgattgtact aagagttgat ttaaagttan 420
 gcaaatatcc tataataaaa taacctagna aattaagaga gttcaatata tgaatctgtn 480
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 cttcatatga atgtggtt 558

<210> 1015
 <211> 396
 <212> DNA
 <213> Mus musculus

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

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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
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 acagacagag gaatcagctt gcttttcctg ttaaactgtt agggagtgtg ggagatgcac 120
 agcattaaat aacagttggt tccatttaga aagtacccaa gggaagaatg gacaaataat 180
 gagagccctg gcaagtgggt ttataaaaac gttccaccaa aagcctacat tggcttggca 240
 ttcccacgta cctaagaagt tctgtt 266

<210> 1017
 <211> 173
 <212> DNA
 <213> Mus musculus

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 <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

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 <222> (117)..(117)
 <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> (134)..(134)
 <223> n is a, c, g, or t

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 <222> (145)..(145)
 <223> n is a, c, g, or t

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

<400> 1017
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 gtttaacggc agtgtcatcc cttttgcact gtaatgagga aaaaaanan aggtatnaaa 120
 aggttnccaa attnctgcat atttntncc gtaattatgt accatgaata ttt 173

<210> 1018
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 1018
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 ggattttctt aagtccttga ggccctcctc atggaatcag agtctgggta tgtggcatcc 120
 ctgaagcctt tcaaccctgg ctgagacctg caaatgcgg gcaccagct 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>
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 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
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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

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

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

<400> 1019
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 canccaagag acaccgcggg tcttggttag gccactggg gacggacaga gactttctcc 120
 gtgtctaatt aatatttatg tatttatgta tatcctccta ggtgaaggag ggggtgtatgt 180
 aantatttat tctaacttat gcaggggtng cngagatatg cctccctgct gtaacacaga 240
 tatttattac gatttatagg gtcggttaaga cangagttgt gggagggagg acccggttg 300
 taggactccc agcttgggga ttagtctggg ggggggtgta ataagattag gggtaacact 360
 ccgtcttcca gcacttcaac tctgtagtct gttgtaaggc tttggaagac ccttggaat 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

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 <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

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 cgtggccgcc cttgctccag ctgcagagggc tgtggcaggg gctgtgccta gcctaccatt 180
 aagccacttg gccatcctga ggttcacccct gnccagcatg ggcatcccat tggatcctct 240
 natagaggga tccaggaagt gtgtcaccga gctggggcct 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
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 gttctcttca tgaaacactc actaaactat attaagaata tttctgtttt ataaacaaga 180
 catatctttt aaatttcact tcagtgtgga aggatggaag atagcctctc agaaagatat 240
 ttttaaatag tttaaacca tgaaagtaga attctgttaa aaacgggtctg tgcttccttc 300
 ttgtggtaca agaaggcatt cgatctctca atgctgtttc cataattttc ctcgaat 357

<210> 1022
 <211> 421
 <212> DNA
 <213> Mus musculus

<220>
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<222> (275)..(276)
 <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

<400> 1022
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 aaatgaaatc ttcctatttt atatttactt cttggattcg ttttactact gacatcttta 180
 gagaatcatt atctttgtct tatgaatata atcaaaatth atatthtttca gaatgtttat 240
 ttcttgagat ttttcttctc tgtatthtaa 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
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 atgatttgct cttgaaactc tcagaataag atcaagttca acggthtttc cacagtgcatt 120
 tctgcatcat gcttccatgg agaataatag aaataagtca tgaactttcc taaattgaat 180
 cccagagtag tactaagatg gatgtcttgt ctgctgtacc agctgggaag aaacaaaaaa 240
 tgctcttcat ctgtcagctt tggctaagct ctgaacatct tttgcttcct gtaaaaccac 300
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<210> 1024
 <211> 544
 <212> DNA
 <213> Mus musculus

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<221> misc_feature
 <222> (201)..(201)
 <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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 tggttcttgg tgactgcacc cactcccctg gcagcctgaa aatcagcttg ctcaatggag 180
 tcactcctgt tcaaagcttt ntagacaacc tcacagggat attgactaaa gtccttcctg 240
 agctgatcca gggcaaggta tgtcctctgg tcaatgggat tctcagcggg ttggatgtca 300
 ccctggtgca caacattgct gaattactga tccatggact acagtttgtc atcaaagttt 360
 aggcatccca ggaaggaagg ctatcttggc tgagctgaat catttcttgc tgctcagtct 420
 cctgcctctt gccagctctc 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
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 tacagcgtct agagggttgc 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

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

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

<400> 1026
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 acngngatga gggcacctat agctgcgtgg ccaccacccc tagccacgga cctcaggaaa 180
 gccctcctgt cagcatcagg gtcacagaaa ccggcgatga ggggccagct gaaggctctg 240
 tgggtgagtc tgggctgggt acgctagccc tggccttggg gatcctggga ggctggggag 300
 tagtagccct gctcgtcggg gctatcctgt ggcgaaaacg acaaccagg cgtgaggaga 360
 ggaaggcccc ngaaagccag gaggatgagg aggaacgtgc agagctgaat cagtcagagg 420
 aagcggagat gcca 434

<210> 1027
 <211> 535
 <212> DNA
 <213> Mus musculus

<400> 1027
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 ctgtgcagta cggagtggcc ggcagcgag ctttccttga gtgtcagccc cgctcgccctc 120
 aagccactgt caagtggctg ttccagcgag atcccagtga tcggcgccgt gagattcgcg 180
 cagaggaccg cttcctgcgt acagagcagg ggctgttgct tcgcgccctg cagcttggtg 240
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 tgcagctgca tgtactgggc cgggacgccg tccatgctgc cctcttcccc cactgggctg 360
 tgagcgtccc tccacctcct ggcacaggcc ctccaacgcc tccttaccag gagctggccc 420
 agctcctagc ccagccggaa gtgggcctca tccatcagta ctgccagggt tactggcgcc 480
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<210> 1028
 <211> 471
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 gggagaaagg ggccatccca ggagacaggc ccctgccttg gacagaggtg cctagtcaag 180
 gccaaccttt cccaggtatt ttttccctat ttattgggga cagaagagac gtctgtcttg 240
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 gcttaaaaga accccccccc ccngccctga ggatacacgg gccgtggtgg aggcccaggg 420
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<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

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 ccatctgtgt tgctattagg tatctctaac accagcacac ttcttacgag atgtactcaa 360
 cctggcctac tggccaggtc accaancagt gncctttatc tgacatgctc actttattat 420
 ccatgtttta aaaatacata gttgtttgtac ctgctatggt ttaccgttga t 471

<210> 1030
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 1030
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 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
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 gctgaagccc aaagtcgagg tgcttggttg ggcattgaact tcaaccccaa aggaggcacg 120
 ctggtctggc aagacaacac agctgtgaac tattctaact gggggccccc tggcctgggc 180
 cctagcatgc taagccacaa cagctgctac tggatccaga gcagcagcgg actgtggcgc 240
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 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>
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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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 gcctggcctc tcggtccaca gagcatgggc tacaagatcc tggcagcctg ctggcccatt 240
 ccttcagca gctggaccga attgattcac tgagtga gca ggtgtccttc ttggaggaac 300
 atctggggtc ctgctcctgc aaaaaagatc tgtgataacc tctcaccacc caggctggat 360
 agagcnantc atccctagat cccttgtagc cagagttcag gcgctgtctg gtggtgccta 420
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<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

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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 ccatcccat ttcttgatat    360
tacatataat ggcatcatat acccctttat tgactgacaa actactcana ttgcttaaca    420
ttttgtgctt caaagtctta tccactcca ctatgggctg ttacagagtg catctcggtg    480
tanagcaagg ctcttgtct tcagtgcctc agggtgaaat acttcttt    528

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<210> 1034
<211> 413
<212> DNA
<213> Mus musculus

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<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 tgggtataaaa tcttcataaa gagatttaag gaaggagtat    360
gaaaagaagg atttgctcac tctggctggc tggatctctc attctatcat ttg    413

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<210> 1035
<211> 564
<212> DNA
<213> Mus musculus

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<400> 1035
attggactac aatctagccc cgggactcct aggacggggc agcatgcctg ggaagtatcc    60
tcacagtgac aagagcttag gagagaaggt gccacttcgg ttacacagtg agaagccaga    120
gtgtcgaata tcagccattt gctctcccag ggactctatg taccaatcag tgtgtttgat    180
atcagaagag aggaacgagt gtgtgattgc cacagaggta taaggcagga gcctactcag    240
acacccagct cgggcccgagc agctgggcct tccttctgca ttgtttacat tgcacctgt    300
atgggacatc tttagtatgc acagtgtgc tctgcggagg aggagggaat ggcatgaact    360

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gaacagactg tgaacccgcc aagagttgca cgggctctgc acacctccag gagtctgcct	420
ggcttcagat gggcagcccc gccaaaggaa cagagttgag gagttagagg agcatcagtt	480
gagctgatat ctaagggtgcc 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 tggagtcagtg	120
gctcagatct caccttgttg gtgaggaagg aggcactgtg cccaccctgc tcaatgccct	180
gtctatacac tgatgtcat gtgcttctgc acacacaata ttttactct gtacagggat	240
ttctcctgtc gtgtccctg cagactgcct cgagcccacc cacgcagggtg agctgcagag	300
taaggctctc ggtgaacagc tccctgctct cctcagactc ctaccacaga agcttgtgtg	360
t	361

<210> 1037
 <211> 129
 <212> DNA
 <213> Mus musculus

<400> 1037	
ggaaatcagt actcctattg catgtctcca aatctccagg gctccaaggc atgttcttct	60
tccctgtgaa tggcactgga gaaatcaatc aactgtcttt cttgacatgt gaaaagagac	120
ttctggagt	129

<210> 1038
 <211> 456
 <212> DNA
 <213> Mus musculus

<400> 1038	
cagggtttcc agcttacctg gatgaggagc ttcagactgc atcctacgag atcaaacatc	60
agattctgca aacaatggga gtccctcagct tgcaaggatc catgctgtca gtgggggata	120
aagtcttttc caccaatggg cagtcagtca actttgatac cattagagag atgtgtacca	180
gagccggtgg ccacattgct gccccgagga atcctgagga gaacgaggcc atcgcaagca	240

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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

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<210> 1039
<211> 529
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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

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

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<220>

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<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 ccattcctct 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 aaccagaga gggaagggcc ctgcctgtaa gaatgggttt ntcaaggtga 420
 ncatnctgtg tgtnaaccna aaccaccatt tcctcctgta gnaantnaga nctcagactg 480
 aatcttagaa tattttttta 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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cagccagagt gagtcggtct ccggagaagg ctctccaagt cctgaggagg aggaagaagg      60
cagtggggaa ggggcttcca gtcgccgggg tagggtnagg gtccgcctgc ctcgggtagg     120
cttggcttcc ccttctaaag tctctaaggg acaggagggt gatgcaacct ccaagtcccc     180
agttggggag aagtcaccca aattccgttt tcctaggggtg tccttaagcc ccaaggcccg     240
gagtgggagt agggaccggg aagaagggtg attcagggtc cgactgccca gtgtgggatt     300
ttcagaaaca gcagttccag gttccaccag gattgaggga acccaggctg ctgccatctg     360
aagccccagg acagctgttg attccccctc ttgtctttcc attccccagc ctagcccccc     420
at ttgtgtgtg tgacattact agcactaatc ctcagagggc ttgaagggtg gtaactgact     480
caggcaggag ccagtggcct gtgccacctc attggccaaa gtgcctgtat atcatgtc      538
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<210> 1041

<211> 514

<212> DNA

<213> Mus musculus

<400> 1041

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ggaatcgtgg gatctgctta ctgtgtcatt gtggcatcac tgggtttggc agaaggacca      60
aagtgcagcg atgcccatgg agtatggaac tacacctttg ccagcactga gggacagtac     120
cttctgaatt cctctatgtg gtccaagtgc tatgagccca agcatattgt ggagtggcat     180
gtgactctat ttctatcct cttggctttt gccgcagttg aattcatctt gtgtctcatt     240
caagtaataa atggaatgct tggaggctta tgtggctatt gctgctctcg ccaacagcaa     300
tataactgct aaaaaagaac acaagacaga agggcgtgct tcctgtat tt cactgtaatt     360
tgtatat tttt ccctgtgttg tgagactttg caccttgtgc cacatcctac cttttctgct     420
tttgtaagga aatgtgctga cgtcatcaca tgatgtcagt gtttacattc aaaaaacaaa     480
caaggcagca aactgcactc tctccgaagg gatt                                514
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<210> 1042

<211> 442

<212> DNA

<213> Mus musculus

<400> 1042

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gaaagctgag acattgtccc caactcttct tgatgtat tttaatttag agttttacca      60
gctattttatt gagtaccctg tatatagtag atcagtgagg aggtgaatgt ataagttatg     120
```

```

gcctggaccc tgctgcagat gctgtgagag tctggggaaa gatcacatgg gtcgaggggtt 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

```

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<210> 1043
<211> 519
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (302)..(306)
<223> n is a, c, g, or t

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

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<400> 1043
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tccctactta aaagtttttt ttnaaagtcg tgatatttta tagtttagagg agagagagag 120
agagacaaac tattcccatg actaagatac aaacctacaa gtaagggtta ttcagtcatg 180
cctgtgcctg atttctggac cagggccctg gttttcatgg acagtccaga ggaaagtcgg 240
gggtttccac tgattttcaa gctatcagca gcacactaaa cccaggagtn taagaaccaa 300
cnnnnnagtc aagagtaaga ggatgttgat ctacagctgtg agctcattag cagggttttac 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 ctgatttgtgt 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
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 agaatgcact tggctctctt cgcttccact ggagaccgga ccacgtgcct ttacccatag 120
 tggaacacag tgccttgttg catgcaatag gtgcttaata aatactcatt gaatgtatgc 180
 acgcataaat ggatgaacaa gtaacgacta gggatgtttg aggtgctaag ggtttttttt 240
 actctagttc acgggtattc taagggtcaac 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
 ttcagcagagg agatccatcc attattttccg tcaatggtac tgactttacc ttccggagtg 60
 cgggtgacct cctcctcatt gtggatgcct gcagtgtgcc cttccgggtg aaggaaaagc 120
 ggatgttcct ttctgcagac gtcagtcaca tggaagaata tttcaaggct agcatcccc 180
 caaggtcaat cgttctgttg agcacaagag gagaaattaa gcagctgaat atctcggatt 240
 cattagcagt tctgggactg gccaaagccag cacatctgta cagcaaagggt agtgtcgtat 300
 ttttgggatt cagcggaaac ttcgcaccgt catggacgaa gctgttcacc agtcccgatg 360
 agcagggcct cggagtgttt 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
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 gacattctag gacagctctg tgacttggtg aactttacag aacatgctac ctcaaagtgc 120
 tgtgacaaac catttggact gtagtgctca caggatgggc acgtgtctta atcaaagttt 180
 ggttacttgt ttatccgggt tttttggatg tggggttttt tgtttgtatt tttttttctt 240
 tttctttcat tctttttttt ttnttttnt tttnttacag tgagatctta cctattaaat 300
 atatttagtg ggtcatggtt cctgaagggt agtgaattga ttgtgtgtgc agatgtgtgt 360
 gtgttatgac ttaaataatat 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
 cagccccgtc 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 ccccttctc 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 gctccccnn 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 cctttacca gcctgaccaa aggacaccac 360
 ttggatcaag taggcaaata tcttacagga ttgagggacc atactaatta taccctctgc 420
 aaagcccaac ttgaatcctt cccttaggaa cttaatcgtc ccacttccct ttcctaatt 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 ctcttccctc atctttctgc tccagctctt ccgcctcaag 180
 cagggagaga ggttcgtcct gacgtccatc atccagctca tgtcctgtct gtgtgtcatg 240
 atcggagctt ccattctatac agaccggcgc caagaccttc accaacagaa cagaaaactc 300
 tattacctac tgcaagaagg cagctacggc tactctttca tcctggcctg ggtggccttt 360
 gccttcactt tcattcagcg cctcatgtac atgacctga ggaagcgtaa ataagtgtca 420
 gaagtctgac caccctccca cagggtgga 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
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 tcctctgttt ctggagcctt ggaagatctg tcttccattc attcatccac ccatccatca 120
 ttcaacatga atgggtcatg tcacgtgtng ggtgcnaagg gatactcttt caaaacaatc 180
 cctcacgaga ctcacagtct agtgaagagc acacgccaga aaccaattag agaagctacc 240
 aaccacgatg gaacatcagg gattcaaaac ctcgggggtga gagggagcct actttctctg 300
 tgttcttcta agagccctga tggctctcga ttgntctgaa cagaggtcca cttggtcnag 360
 tgctatcatg ggtnagtgcc cacgagggtt cccagagaa 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 tctcctgagt gacccttcta agaatggaat aggtgaccct 240
 actgttagtg ctggaccacc aggaaagtac acaaatgaac aaggactcct ggcttacttt 300
 gagatttgta cttttctgaa tgaaggagcc actgagatct ttgatgccac ccaggaagta 360
 ccctatgcct atctgggtaa tgagtgggtt gggttatgaca atgtcaggag cttcaagttg 420
 aaggctcagt ggctcaagga caacaattta ggaggtgccg tggctctggcc 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 gtccccctcgg agtgtcaggc gggaggcgtc ttcttcctcc tctccatcct 60
 tagtcagacg cgcacggacc atgtcggcgc agaccgcgag cggccccacg gaggaccagg 120
 tggagatcct ggagtacaac ttcaacaagg tcaacaagca cccggacccc accacgctgt 180
 gcctcatcgc agccgaggcg ggtctcacgg aggagcagac gcagaaatgg ttttaagcagc 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 ctccagggt ccaaggcatg ttcttcttcc 120
 ctgtgaatgg cactggagaa atcaatcaac tgtctttctt gacatgtgaa aagagacttc 180
 tggagtccac atctcatgtt gagtcacttc ctttttcctc 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 ttcccttttc ctccaatag cccaagtccg	180
cacttatcag ctctccatga tctgggatct gtgctaattg 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 ctgccaggc acacgctgct ctctgaggg cgccctctgc cggcggctga	420
ggaacctagg atggaaacat ttttttaaag ggggggaaaa aaaaaagact gaaagcatgc	480
agtctctttc cattacttca aagaactttc tgtagtactn agaggctggg aagggtgtttt	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

```

catnccgcc cagagcgccc agccaccagg aaatgcccac tttagtgtgt acaatcagct 180
atcccagtct caggtccgag agcggggggcc ctctgcttcc ttccttagag agcgtggcct 240
ccctgggatg tgtgagagga agccaccctc acctcacctg aacactgcca acgagttcct 300
ctactcacag agcttctcct tgaccgggga gtcataccta cagtatcatt cagggatggg 360
gactgtggag aactggaccg atggatgacg agactacctg tacccttaac agccccaggg 420
ccatgtcaat ccagtgttaa tctctgtggg tggccagcac tgccaagaaa catggaaagg 480
tatttcagaa tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg gtgtgtgctg gtgcttgaac 540
ttctacacac atgtgggtcag 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

```

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<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

```

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<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 gncgtattca 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

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```

<400> 1060
ggaagcta at cccaattcct ctggacccca tccccacaa cttttccac cagccttcct 60
aacagcccag gtgaggtggc tcctgtcttg cagacccatg aacttgccag ggaggagcct 120
aggaaacaga ggggaaggaa gcaggtaggc tgcctccttt atgtgtggat acactataga 180
tggtcatcc tgtcccatgt gacctctctg tggctgggtg tcttgagga aggctctgga 240
tgcccttccc tgctacaggg tgagggccct ggaagggcgt gcctcactga gcatgctgaa 300
gcggccagta tataagtgga cagcctgggt tccctgacgg agccacgtag gctctgcca 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 acgggtgtggc cagaccatgg ggtcccagag accaccagt 120
ccctgatcca atttgtgagg acagtcaggg actacatcaa cagaagcccc ggggctgggc 180
ccaccgtagt gcactgcagc gctgggtgtg gcagaacagg gacgttcggt 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

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<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

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```

<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 tcaagggtact cactatgctg 300
atgatgttg 309

```

```

<210> 1063
<211> 504
<212> DNA
<213> Mus musculus

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```

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (292)..(292)

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<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 ctttatgtcc ctccacctgg 120

ggcagaacct gcacaactga ccatgagaac cttaggcagg caagctcccc gaggcccaca 180

agaaccctct gtggccctca ctgcctctgc tccaccctcc gcctgccact gttaagacca 240

gcatcaaaga ggggtggtggg gcaatcaaga tccactngag gagggttcca gntgaggatn 300

tggccctgan gagcctgttg gctgttttgg cctcatntn tgtgagagcc tgtggctggt 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
 aaattttaaaa 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 tttttttggt gctgagaata atccattcat tttctctaata 360
 acagcaacta cttcaacctt taatttatta ttaatgtatt tgaaagtgtg 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 aatctttcca cagggaata caccacctgg ccgtgctctt 60
 tggaaccagg cacatgtaaa ataaggaaag gaaaacaaca gaaggatcatg 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
attacaggac ccatggc                                                    497

```

```

<210> 1066
<211> 445
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

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

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

```

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<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

```

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

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

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

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

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```

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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

<220>
 <221> misc_feature
 <222> (388)..(388)
 <223> n is a, c, g, or t

<400> 1066
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 ctggcaccca ggtacaggga gtccaacaca gcgggcaatg acatcttcca caagttctct 120
 gccttcatca agaaccagt gcctacacag gacaatgcc tgtatcagca gctgctccgg 180
 gccctgacca ggctggacag ctacctgcgt gcaccantgg accacgaact ggcacaggag 240
 ccanatnttn gtgagtcca 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

<220>
 <221> misc_feature
 <222> (55)..(55)
 <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> (252)..(252)
 <223> n is a, c, g, or t

<400> 1067
 acatttccat cttttcttgg gcataaggaa gcccaggaac agccagatgg aaaantgcta 60
 cttacacttg caagaatgtt aactgccaaag ntgaccttcc tatctgtgtg atgaggactc 120
 aatgtataag ctgttgaggg tttgctgaga tcaaagtggc aagaaaaagg cacatattct 180

```

cagttttata gatcaacagc ctaaagcttt aaaagttcac attgccccat ttcctcttgg 240
gtctaatttt tnatgacatt acttttaatt gtaactacat tgcttttgaa aatattttta 300
ttgagctatt gctggtttgg gggaaagaat gattttttaa aattgatctt atactcaacc 360
atctttttgg attcatattt ttcctttaat actttcaatg attcatatat cattgcattt 420
gtaaatgatg attttttttc ctgctcacat atatttatac atatatacat atgtgtcata 480
ggagaatttc taataacttca ccagtggaaa ttcattgtca aatctttctt gaatagatgc 540
ctgaagggtt ctgaattcat 560

```

```

<210> 1068
<211> 361
<212> DNA
<213> Mus musculus

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<400> 1068
cagccagagc ccatgtgtgg aggaagtcag ttctctctgc tgcttgctca tttggtagcc 60
caaccttggg tcagagggga cagaaaccaa aactaaaaa 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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<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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```

<400> 1069
aacagaacac cattatatatt tccacctatt cataacatgg aggttggggac tcctaggaga      60
gccgtctgtg gttccacaaa catcatcatg tttttgggga gtgactgtgg ttgtgggttac      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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```

<220>
<221> misc_feature
<222> (278)..(278)
<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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<400> 1070
aacagacaga ccaccttaga accagaggcc tgaaagcctg acctgaccag cacagattcc      60
cacttcagaa ccccagggct atggaagtgc ccttgtccaa cgctatggga atagtctgt      120
gggttgtctc tgttgccac tgtggccagc attccagtgc ctacagccac ctgtgcctac      180
agccacctgt gccatgagaa gtgcctctcc tgctctatgc cctgcatttg ggatgctaag      240
aagaggtgag ggtgtgagcg agaacagatc caccctntc ctaggtagga tcagctctca      300
attggtgctt atcactagtt atcaaagaac agcagagaca gctgcgttat ccaagaagca      360
agtattagga ccnaaacctg ttactgtatt taaaggaact ttagtttgcg tatcttacat      420
ttttataaag tactgtaatt caggggggtgg ggtatgcaac agagacagac taacccatg      479

```

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<210> 1071
<211> 528
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (318)..(318)

```


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

<220>

<221> misc_feature

<222> (474)..(474)

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

<400> 1071

cttttgcccta gttgccacat ctcaggggaat gaacctcacc cccagggcac accttgcaga 60

atgcaagacc cctgcccttt ccagggggcag tgtggcctct ctgcatctct cccttggaga 120

gagttgagta actttccact gagtgacagc tggaggaagg ggcatacaga cacaaagagg 180

cccaagcgag gcggaaatgt gccttcaact caccctcctt gtggaatcct cccccaacaa 240

ggcctttctg cagggggacta tcgatatgctc tgacatttgt ctaatcaata attagtttct 300

cttattttttt tttttttnac taatgatact tattataaga ctctagttct cacagacata 360

gaataagggtt 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>

<221> misc_feature

<222> (287)..(287)

<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> (311)..(311)

<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)..(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> (387)..(387)
 <223> n is a, c, g, or t

<400> 1072
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 atttctcttc aaataatctt tgagatccca gggagaaaaa aaaaaatgct ctgttgtgtg 120
 gagctataat gtaaagtgtg ttgtttaaaa accagacgag gcaagggagt gatttattgg 180
 tcctacggga ccgtagctga ttctctcctc tcagactcta aacacttctt tcccaaggac 240
 agaaatgggt gactctgctt ctactagca aactgtcatg gcatttntcc cactttctgt 300
 gnagcgtcat naacatgata catntntan tcaccagtac cnggcgtaag atccggtgag 360
 ctgaaatgat ccacctttcg atgtganccc atccaaagag atgatcctgt tctggatggg 420
 tgactttctg tatcagttac act 443

<210> 1073
 <211> 531
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (422)..(422)
 <223> n is a, c, g, or t

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

<400> 1073
 ggtgccccgt gtgataagtt tcagccagac acgaaaggaa tgcagcgggt aaagcatagc 60
 gacttagctt ccaggccgat ttctttaaga ctggggaacg aagaactatt tattctgcct 120
 taaagggatg gcaactgggt ggagatgacg tcaggcgaat gtagactatg ggtacactcc 180

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tagtgggcta atgtagcata gagagaaagc aggtaggtgt ttctctgtta tgtaagcaat   240
aactttttct 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

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<210> 1074
<211> 493
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

```

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

```

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

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<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (433)..(433)

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

<400> 1074

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gaacattgca tgctaggcag ctaatgtttg taatcaaagg agtactttat accagtgggtt    60
ggaagaggca ccattcccag ctgggggtaag actgccagct cttcactgat ccaaaccctt    120
tccaacacaa aactgttcat cttcctctgc accaatcctg ggagaactaa cggcatccac    180
atttcaatct cactgatctg tagtagcact ctctccagat gattaaactg tagcatcggtt    240
acggactcac tctctccaga ttaaactgta gcatcgttac ggactcactc tctccagatt    300
aaactgnanc ntcgntacng actcactctc tccagattaa actgtagcat cnttacggac    360
tcggagagaa gcgtgcttcc agtaaccaa tgagctggag aaccagttag cttttaaaag    420
nctgatcatt ctntctcagt tttaacctta ataccgttta tattttgtgt acacgtgaac    480
actttcactg gtg                                                         493

```

<210> 1075

<211> 542

<212> DNA

<213> Mus musculus

<220>

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tgtgaggccc cggtagccc tctgcagtgc ttccaaaccc cacacctgag aacgcggtct    180
ccagcctgct ccagaggaca agcctcagcc tgcaccctca gccctgtgtc agtctgtatg    240
tcccagctct aactacagac caccaccacc accaccacna ccaccaccac caccaccacc    300
accaccacca ccaccaccac caccacagtg gttnttggnt cccccgggtg atggggggcg    360
gcaggcccan gtcntntgga agccttcaga aggggnttng gngccttngc ctccaccaga    420
gccaagccag ntcccatagc tcccacagcc cacagggact gagaagaact gttgtggntc    480
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ga                                                                    542

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<210> 1077
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<213> Mus musculus

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<400> 1077
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tgtgttcacc                                                                    70

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<210> 1078
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<213> Mus musculus

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44

<210> 1079

<211> 120

<212> DNA

<213> Mus musculus

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120

<210> 1080

<211> 288

<212> DNA

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ntccatntta agtttatnan nngtggccca tttgtncgtg tctcagtata tgcaaacaca 120

ttggacttca ctntttattc tnntanataa gaannncaan atggagatgt atacantctt 180
 tgctatatta ggtttataaa ctgtttttaa aaaattcntc cttttnccaa aatgatgaac 240
 taagtgattg gtaaacccta agccctgtat gagtggaggg atagttta 288

<210> 1081
 <211> 114
 <212> DNA
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<400> 1081
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 ggagccctga tatttcccct caataagggc agctcctagt tgatatattt gata 114

<210> 1082
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 ttttcagtgt tggtaacagt ttcacattcc caccatcag acgtgtcact gggacacagc 180
 cacttgga ctcattccct aacactggcc cgcaaataca gcaactgctt aaagantgga 240
 atggttcgct tgcaggtccc ggacaagctt ttattactaa atatttccat tgtaaaggag 300
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<210> 1083
 <211> 291
 <212> DNA
 <213> Mus musculus

<400> 1083
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 acaccatttt tgctgttttt aagttatttt aatttaatac attcccccca gtggagacag 180
 ttcacaaaac agttctcgaa tttaaata caactttgac tagtatctat cacgtggtgt 240

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291

<210> 1084
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 ttcttggtgc ctacaacaga ttcttcaccg agtttgttct agacttgcac cactaataag 180
 atgctgtact gtgtctcaca ggccgtttta tcaaacctta agctcacaag ccaaccaca 240

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gctctgtgcg agagacttca tgcggggttt tgtttaacaa gcttctaagt gattcctgcc 300
attaaaagca cagaagcaga agctattnaa gntgcccagg ttgagtgggtg ncagtgctgg 360
accacncctt taatcccagt actccagagg cagaggcaga ggggantntg agttcaaadc 420
cagcctgcct ggtntacaca gtgagttcca agacagccag ggctacacag aaaaataaat 480
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gcttat 546

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 ccgccaaagg gatgcagtggt tttatggtaa caattattct ggaaataagg tcgccccatg 180
 gagccccagg ataagtctgc gctaattcat gctgccttac ngggcagtg caccctttnt 240
 tntccnattt ctactgcctt ggacagtcac caggagcacc tgnatagcaa tgcacnnttt 300
 cnacaaggca agcttgaatt tttttatnca catacantcn acnattttta taaatgtggt 360
 aaacaatttg acccattttt atcataaata tttttagtga aatttttagt agtatgagtt 420
 caaccacatt tgataaacta tgggtttttt attgacttat ttagaattgt atatatgtgt 480
 gcaattgtgt ggctaatacag 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 taggggtccat ctgtctaata ctgggttaata tcaaaagaag agggatatctc 180
 aatggatgcc accccttgct ttgaccattg catgaactgc ttctaaatta ttttattacc 240
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<210> 1087
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<212> DNA
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 <223> n is a, c, g, or t

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 cctttacctt gactttctcc agccatggcc ctggatcccc cagacaatcg tcttcgcca 120
 ccgcatggtg ccaccaaaga tctctactgt cagtgggtgac tcatattccc agagacttcg 180
 aaaagctctg gcgctggggtt aaanaaaaaa anaticanaac atnnaantca aacaccctta 240

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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
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aacctgggta tgggactcag agtcaccatg gaaaccagcc actgggtatg cctgtcagga 120

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agcttctaga gtgtgtttcac ggaagtggga agagccaccc tgcgtgttgg cagtgccatc 180
tcttcgtgat ctgggggtcct ggacagaatg aaaaggagca agcaagtgga gtaccagcag 240
tcacccctct ctgcttcctg actgtgggtg ccatgtgacc agctgtttca tgttcctncc 300
nctgtgcctc ccnccatga cggactgtgc acgctcacac tgtgagccag cncgaaccct 360
tccttnttta aggtgctttt tgttacagcg gtgagacgac ggctaatain ctgcagaaac 420
acgtgcncgg tgtgcagggc tcacgtggac gacacaatcc ctgctgcatc tcatttgact 480
agctctcag 489

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

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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 ngatatgnt tccacataac 360
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<210> 1090
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 tgctgctcat gggagcgggtg ggtattgggg tagcctgtct tcagatctgt gggatgggtcc 180
 tcacctgctg cttgcaccga aggctccagc aacaatttta ttaaaggaca cccatgtacc 240
 ctgctgactg gccacccaa gggaccacat ctccacttcc tgaaccaggc ctgcaaagtc 300
 atcgtgggg ctgtggactc gctccaccct atgcagaggc caccaaattgt ctgtggttgt 360
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<210> 1091
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 tgccaatcct gtgagtgcac ccaactgtgt caccaccacc cactgccaca tcaatgaaac 120
 catgtgcaag actacgtctc actccctgga nattgttttc cttttcctgg gggactccac 180
 ggtgaccaag tcctgcgcca gcaagtgtga gccttcggat gtggatggca ttgggcaaac 240
 ccggccagtg tcctgctgca attctgacct atgcaacgtg gatggggcac ccagcctggg 300

cagtcctgggt ggcctgctcc ttgccctggc acttttcttg ctcttgggtg tcctgctgta 360

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<210> 1092
<211> 496
<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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atctgaagca tacctaggaa aaaactgctg ggtggccttg gagggcctgg gcattttcta    180
caagtttcac aatagtagca catatataat gcatgtttcc ttgactctc tcagtttctc    240
ctacagtgat gantngnnta ccaggctttc ctgctcattc ctttttncct ggcaggaaac    300
aatntcaaag tgnccaaatg agcnngattg tgttnanntg angatgtagt tacacttinn    360
catgaacctt taactntttg ntncntntct gattgtgaga caaacttaaa tttccatcct    420
ntccccaant cctcagtggg cactatttca aaggncctg gtaactntac tgggcatttt    480
cccagatggt tacaga                                                    496

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<210> 1093
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 atcagattgt ctgagaattc agagggtaaa gagggctgat cagctggcac attttaagca 180
 cagtggctgg aagtatggag tgctaattgct gacactgttg tatgcattgg aaggtggagt 240
 cctttgctgt cagtcaagtg cttacctact naatgtgaca ctgaagctcn ctgggactgt 300
 ggttgaagct nntctggcct gaggaantnt tnatnttgta ntaggaagca cacaancctg 360
 tttccttatc cnntacaca gtgagactat taaggaaaac taacaggatg gtggctcatn 420
 tnctaccaca aggggtgctaa nccttttcca aacacttgat atttctatag gacctt 476

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 cgccaaggcc aagaggatga agctgcactg gcagttctcc cagggaggct ccatccagaa 180
 ccgcaagtcc aagcgctgcc tggagctgca agagaacagt gacatggagt ttggtttcca 240
 gctgggtgctt cagaagtgtc cgggacaaca ctggactatc accaatgtcc tgaggagcct 300
 ggtntcctga cctccacag gcgccaccgn ccaccgcttt gntnactgtg tagcatcanc 360
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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
 ctaaccnann cgggtgtgaag gaactatatg catntntcat gagcatatga tgtatgatcn 420
 cactcacttg tntcnctgt gtacacacct ggggcaaata gaggaacttt atctaattca 480
 agtcaaaaga agtatagaag ctccatgtac gggttcctata acttttctat 530

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

<400> 1096

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tgtaaacggg tatcttttgt tgggtgtgtt 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
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<223> n is a, c, g, or t

<400> 1097

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agaagaaggt atgggaatat cagaggcaaa acatggtttc ccatggtctc aactgtagaa      180
gtgcaggagg gctatcatac acatgcacac agaagctgag gtcagggtgac ccctctgggg      240
acatgttcat aggcattcca tcctcacaga gaactgagnt attcaacaat gctcatggca      300
ttnctgatgc ttctgtcata cattgggtatt ctcgaggagt ctatctgtat ttctctttaa      360
tgagttcttt cctagttctc acagctgttt ttataagaca gagggaaatg agcagatttt      420

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ctaattcttgg agatTTTTat acagtaaagc attctagtTg tcactgaaat ctaaattctta 480
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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
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<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 gtacttacc aaaatttggg aagagggcac tgggtacctt 240
agcagcactc caacacagtt gagcgtgggc taacagagaa aagggataaa tggagcagcc 300
tgaaacaact ggagcagggt gagaccacc attagacacc aagccatggc agaaagcagc 360
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 agacgagaga ggagtgggta aaagctggag gagagtggg gagacagagg agaggaaagg 180
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 cagagtctag gtttggcaag ctctgggcag ggtcctctg ggaaatggcc ctggaaaaca 300
 caggaaaaag gaactcggtt tcctaaacag tgcacccta tacctggaaa cataggacan 360
 ctcttgccca ctgccacctt ncccacggta ctgtactacg aacaccctga aaacgcccac 420
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<210> 1101
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 acaaagccca tcaggcaaga gtacagtaag cctaagggga cttgctgctc aaacaaaaaa 180
 ttaactctga aggtcagtct acctgacatt acctaggcat ggtgttgtcc aagctgcgca 240

tcggtgcaca gtgtggcctg gcacacacgc aggcgggcca cggaacttga agggttattg 300
 acatgcaaat gctgggtgttt gatttcctgt gttgttgccct cagcgttaag ggcatttccg 360
 tttgcagttn tactaaagac actctgagaa atattccgag tttcgtatta acctttcctg 420
 tccatgtaac aacttcatga ccattactgc attgtcaaatt tcctactgac gacattataa 480
 ctgtacggga gcttaacttt at 502

<210> 1102
 <211> 324
 <212> DNA
 <213> Mus musculus

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 attgcccggg tggcaaggcc ttgtaagctt aagaatctga atttgagctt caggacccat 120
 attttacaag cccgggtgtg ctgcacacac ttctaattccc 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
 cctttttctt tctttgtaag tggtcagtca ttcacagtaa gctatgacgt aagctgtgtt 300
 ctaacataca aaccgtagtt gtaagacaat tccgtgaagg ctatttccca cccacccgca 360
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<210> 1104
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cctactggcg gacagaaaag atttccaatt cacgccccac tttntnnnnn ccngcccaac 180
 cccnancna gnnacatttc cagnacctag agacctntnt tcnatntntc ngnnctaagn 240
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 <212> DNA
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 aagcaagagt ccgcaatgcc aaagtcattg tgntctgaga atgttgctcg tgggcaaadc 180
 cactacacat ttctaaagaa aaatagagag gcatgaccat aaaaattaaa tgctcttctt 240
 ggcaataatg tatatttacc acgtgcctct gacnttctat aaatattgcc tgcaccggaa 300
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 gaa 363

<210> 1106
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 <212> DNA
 <213> Mus musculus

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 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 aaaaagggtt caagctgaat tgattcatgt 420
 actgactaat acaga 435

<210> 1107
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 1107
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 tactaagttg tagaaatatt tagaaagcat acctttgaat ttaagtatct aatgcctcaa 180
 gcaaattctgc tagtttcaga 200

<210> 1108
 <211> 123
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 <223> n is a, c, g, or t

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tgt 123

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tcacaaaaga agagaagaaa gatgggaaag agaaagcttt cagactttga aagantcttt 120

ttgagtgata ttggatggtc cttaaaatgt attcattacc tgacaataaa gtttaactg 179

<210> 1110
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<223> n is a, c, g, or t

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<223> 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

<400> 1110

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ttttnctgaa ctgaggntcc ttctntntnt gataattntt agcttgtgtc gagccatgac 120

agaaantgag nttccaagag catnggcctc attttcttca gccagtgggtt ggtagaattg 180

gaccagggcc aaggtgtcnt nttcaccttg tgacctctag tttcctgtgt gatatcccaa 240

<210> 1111

<211> 407

<212> DNA

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

<400> 1111

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agaaantgag nttccaagag catnggcctc attttcttca gccagtgggtt ggtagaattg    180
gaccagggcc aagggtgtcnt nttcaccttg tgacctctag tttcctgtgt gatatcccaa    240
acaggggtgag agtttctccc gctttctgag caggcacggt aggggaaagt aactgaaatc    300
acaaaagaag agaagaaaga tgggaaagag aaagctttca gactttgaaa gantcttttt    360
gagtgatatt ggatggtcct taaaatgtat tcattacctg acaataa                    407

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<210> 1112
<211> 172
<212> DNA
<213> Mus musculus

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<400> 1112
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gtagatttta ttatgtacac aaagacaaat ggaccctgag aaatgtatgc gtttgtaaac    120
ttgccatggg tccgaatatt ttcaagccat gtaatccatt aattttgtgg ga              172

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<210> 1113
<211> 343
<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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<222> (188)..(188)

<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> (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 tttttttttt 180

tttatgcnat atttcctgtg taatattttg taantccttc acctgtttct tttatgggga 240

cttttcttnt ggggcaagtt cagtgtattt atgtgaaact ttataagaga actaatTTTT 300

ccatttgcac attaatatgt tcctctatac atgtaaagac aca 343

<210> 1114

<211> 542
 <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> 1114
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 cacacactta tacacatata cactcgggtgt gcttgcacac acacacacac acacacatac 120
 acacacacac acacacgaac aaggaacacc aaaacagtgt tgattgttgt gtttaaagac 180
 atgttttttt ttcacctgaa gaatggactt aaactatgta tttaaaaaaa aatagcctca 240
 gtgttagaga tggatgaatgt atccagtttc agttacnaaa acaatttcct gaattttaag 300
 cattcagtga gctgcccaatt ttgattttgt gttgcttttn atccaaatgg ctttctcttt 360
 tcttttactt ttttcttttt tctttgtaaa ttggaggaag tggggggcg ggcagcagcaa 420
 tattgtgttt gaaaaattat actctgtacc tggctttcct gtgttatgtt aaccacttca 480
 atgtttttat tctgcttttg 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 tggcttttaa gtaaatgacc aacataattg 120
 tactgaagag cccagcagga gctctgtctt atcttaacgg gctcagaaga ctgaaggaag 180
 ttcaggtgta aagccaggag tggcactttc caaaga 216

<210> 1116
 <211> 525
 <212> DNA
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 <223> n is a, c, g, or t

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 agtgttcaag ctgagaggag catatcatcc cttcagagta gggaggggag tatccttggt 180
 ccatcagcat cacacgtcac cagaacgtca gggcggccgg tatgaactct ggagatcact 240
 aaactctttg catgctgaat agctatttat atattatata aataaataaa tatataaata 300
 aatatatattc tcacaaatgc gggccacatg tcaaattcag ctttgctttt ttacaaata 360
 aacttactga aaacaaatgc tgaaggaagt atttggaaag acatctatct aaatttttat 420
 tacgtttgat gttaaagata aaacatatat atatattata aatncacact gcagataaag 480
 ctttattaga aaacacacta gctgacaggc ggtatgaaac ttcaa 525

<210> 1117
 <211> 519
 <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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 tcaccagctc aggggtgctac 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 ctcacaaagt 420

tttcctcctc tttgagttcc taaccatgan cctcgcgtgg actgttatca ccaaccaaac 480

tttcaatagg tggatgggat cactaggtca ttttgttct 519

<210> 1118
<211> 246
<212> DNA
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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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tgagtccaca aacagctggt agaacctaga cagcagcatg actggctcag agctcttgcc 120
catgagcaga tgtttacaag agaggaaaag attgcttntc acgactgcat cagcntctgc 180
acctgcgtaa ggaggaagct cactcactca agagcacctc catgtaccgc gtcacactgg 240
aaggag 246

<210> 1119
<211> 181
<212> DNA
<213> Mus musculus

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

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

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tttaaggagg tagtgtacat gggacctttt tgaagtagac tggataaggc ccagtagcga 120
cttgcgacta gacttttaaac tttgctnttt caggtggagg cttcgtttct gggatcccac 180
t 181

<210> 1120
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 1120
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<210> 1121
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 <223> n is a, c, g, or t

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 ancaaactgg aggctgggtct gagaccctgt ctcaaaacaa gtaaaatatt cagctgatac 180
 ttgaatttct cccccctcca ccnagtcac ctagtntttt ttttttnnnn ttttatttta 240
 taagctgagg agtnaactga ttggcaattc taatacattg tatgtaggga cactccaaat 300
 gatggtaaca tattttttga gacctttagc ttgggtgaga acagaccttg ctttcaagcc 360
 ttactcaatg taccacncct ttgactacat accaagtcaa gtgttttcta cttatccttg 420
 agccag 426

<210> 1122
 <211> 516
 <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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 agatctacat gtttctatca tccatattca tatacattat atctatatat gatattacaa 180
 agaaccttta gaaaggggtga aggaaagaag tgtgctcatg aggcctcaga ctctggtgtt 240

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gggagaagat ttgtgatctt gtctttggcc ttggggccct tctacaaata agccaatgac    300
tttgtatcca ctgctcttta tcattcaaac taacagcttg tgcctgaatt ataagtgtat    360
tttattttcc ctctaccaat atttcctcc canccttgct ncaagctaca ttcattcat    420
tattatgaat gagtataaat caaactgccc aatcttattt aatgttggtt caggatatag    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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<223> n is a, c, g, or t

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 <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 aaaaaaaaaat tatntgggct gggtattcag ggagaaagtg ttttatctgc 300
 accangtaga aatgttgtgt atngcctttt gcaccccaaa gaggaancca gngaccagg 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

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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> (288)..(289)
 <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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 tagtattcag aaccaaaaat atgtctcttt gtgaaaagga aatcataact ggaattgtct 120
 gatattttttt aacaaaaatt cagaacctca gcactcgggtg gaggccttttg tccttcccgg 180
 gagcagtcga gaggtgacct tggtagccac catggtcaga gaccacacag gcattgtggg 240
 taggtgggct ccagttttcc ttaatgagtc gcgaacgctg tgcntncnnc agaacgaagt 300
 ctacaagtca atgggtttttt tctttttata taataattat ataacttatg catttataca 360
 ctacgagttg acntcggcca gccaaagaca caccacacac aaacaaacac acacacacac 420
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<210> 1125
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 <212> DNA
 <213> Mus musculus

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<222> (274)..(274)
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 <222> (313)..(313)
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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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 cagcagcatg gggaagaaaa agtctatcca tccatctgtc caaccgtcca accgtccatc 180
 catccatcca tccatctact tgctgtcagt ggaaacacta cctctagagg caaccaatag 240
 ggatagagca gctaataaaa caagaccatc tganccacg acaaggaaga atggggatgg 300
 ctggaatgtg ttccaatgg agacagggga tgagtacaga ntggccaagg ctgagnncac 360
 ggccagaggg tatcaaagta tgtccacaac caaggaagat taagcagggg cattgcattg 420
 agaaatgacg tcattgaagt antcctgtag acaacagggg tgggatggga cctatccagc 480
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 g 541

<210> 1126
 <211> 452
 <212> DNA
 <213> Mus musculus

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 atgttcgttt ggggagttct tcaatattga attctatgca gggtttactgg gacaagcaga 120
 tagaagtgtg tttgtgtttt taaaacttga gggacttaca tctttcttgt tttggtttgt 180

ttattgagcc aatcacctca catcatgtag cttattaaaa agtgggaata tttataat	240
ccctatgatg ttacttttaa aaagtgtgaa gttagtctca taatgtaggt tgtaatataa	300
aatgtgttga aaattaagaa aatattctaa agagtttaat gatcatttta atgtagcaga	360
acacaagggc agcatctgta gtcattaaag aagaaaggta ttctcaaata tttccataa	420
ctaacaaaat tataactggt tcttctgttt gg	452

<210> 1127
 <211> 510
 <212> DNA
 <213> Mus musculus

<400> 1127	
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agatacgcac 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 ccccccaag	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 ctctctacc ttcttgccca	180
gctcccaagc tcctattctg attatttgtt gtttctgagt ggacacaagg tgacttttgt	240
cctgagtgcc ttcacccttc acatggccat aggggctcag ctctaaaga 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 ttcttcaacc cagtcccagg 180
 catttaaggc tgccacatga aataatgtca aggttttctca tcatattcag cctgtatatc 240
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<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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 <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> (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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 <223> n is a, c, g, or t

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

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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>
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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
 atgtcacct cagtcctggn tcagcacaaa acatactggg gtcccatgcc aggccctgaa 240
 ncttggtnta gctcaagcca ntggaccctc attctaagca tataagtgag ccaccattcc 300
 ctaaantca aagtggccac ctcaaaaaca cagcccaccc ctaaatcccc cagtgaccag 360
 tattggggaa canggatgga ccttagtcta tgacatcaga tggggtgtct ccatgcattc 420

gtccctttcc ctccccaaca gtgcatcccc accctcaccc catagcacca ttggcatnta 480
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<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>
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 <222> (212)..(212)
 <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> (257)..(257)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (270)..(271)
 <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> (320)..(320)
 <223> n is a, c, g, or t

<400> 1132
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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 tgtttctga 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

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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 atttacaat gaatgagaat actaacgtgt gtcagtcctt aatatcatac 360
 cacaccata ataagtgtt tgtccataga ngcaatgttg ctggtgacag tgggtggcaa 420
 tttcaggttt gccaaaacca ctcatcgccc agaacaagca gtaagcaatc cctgcttaaa 480
 tcaagataac cgggggtttc ccagcttaac caggaatgta gtctttcccg ccctcttctg 540
 taaatgaa 548

<210> 1134
 <211> 310
 <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> (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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 <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> (279)..(279)
 <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> 1134
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 aatggctntt cacacactgg tatctaaggc catgactggc attaggataa atggcagcaa 120
 tttcaatttc atggttatta ggaaccaata attttataat cattatttta ncctaggacc 180
 atatgtagac ttcattgtttt 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 tgctgccag cggcagactg gccctacctt cttcccttgg cagctgactt 120
 gagaaatctg gtttcaatag aaccacacaga aaaangttta ttccatgggc cctgtaattg 180
 gaaaaacact ggttcccaag ttccatggg 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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 gggttgcccc cgtccagggc atatgcagag tatcttggtg gctccctgca gctgcagtcc 120
 ctgcagggca ttggcacgga tgtctaccta cggctccgcc acattgatgg tcgggaggaa 180
 agcttcagaa tctaattggtg gatcttggcc ggctagcctg ccacactcct cggaggacct 240
 cctaggcctg gcagggggcc gctgggctcg cacagactgc cacttcgctt tatggagctt 300
 aaggggcccc ttcaganaca ggtggactta gatggagctg ggcaccactc ctctcagca 360
 gggctcactg ctttctacct cccggccttg gggggaggaa gcaggtgcct ctgaggcctc 420
 tgataccagc tctgct 436

<210> 1138
 <211> 445
 <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> (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
 gaagaatggt acatttaaaa aaaaaacaac aagtttttgt ataattaagt gtcttcacaa 360
 gtagcccagg gctatagccn aggcttacag tgattctgtg tttgagtcac gagtcacact 420
 acatgcccct gtgtaattgg tgaca 445

<210> 1139
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 1139
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 gctgtcacag gatttattac tgtgacttga aaaatctgtc ttctatatac taaaggtata 120
 aataatccta tctgtctttg ctgttacgtt ggtcactgta aacctgtcaa atcatagtat 180
 gccaaagtatc 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
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 ggtctcaaga atggttgtcc tcttggtgcc tggcttctgc cgctagcgga tctgagccag 120
 gcagcaagca gcagccttgg ctctgagag aggtggttgg ctcttacagc cccgagggtc 180
 tacaatcacc agacagtcca gatctgattg acattcctcc gctcacctct gtaggttccc 240
 ctctttctgt tcctagctca gacagctggg ggtgatagtg gagactgttc cacaccctag 300
 gacaggtcac caaagcagcc cagcctggca tgcctacctc ctgtcatctc ttcttccttt 360
 ccccaggagt gataggcaat gcactgaagc tgatgggcac cggggaagaa aactaaaagg 420
 cagaaatggc cgtcatcgga 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
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 gtgaccctgt cagccactct gggacttggg atgcctgcaa aggagaagag aggttggacc 120
 ctgaacagcg ctggctacct tctgggcccc catgccattg acaaccacag atcatttagc 180
 gacaagcatg gcctcacagg caagagggag ttacaactgg aggtggagga aaggagacca 240
 ggaagtgttg atgtgccct gcctgagagc aacattgtcc gcactataat ggagtttctc 300
 agtttcttgc accttaaaga ggccggggcc ntngacagcc tgcttggcat ccccttggcc 360
 acntctcag aagacctaga gaagtcctga gaccatgtcc actgtgcacg tgtgtcctgt 420
 gctgtaattt aa 432

<210> 1142
 <211> 176
 <212> DNA
 <213> Mus musculus

<400> 1142
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 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

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<400> 1143
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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

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<210> 1144
<211> 125
<212> DNA
<213> Mus musculus

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<400> 1144
tagcacgcct gctggcccgg gttcagtctc ctgccccacg aagccgggcg gataactgag    60

ctctctgctt ttaaccctga ttatggacca ggctgggtct ttccactaac ctgaggctga    120

ggtag                                             125

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<210> 1145
<211> 455
<212> DNA
<213> Mus musculus

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<220>
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<222> (131)..(134)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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

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

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<220>
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 <222> (382)..(382)
 <223> n is a, c, g, or t

<220>
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 <222> (424)..(427)
 <223> n is a, c, g, or t

<400> 1145
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 gctggatccc tctatgtccc agtagccaag gaccatccta catcgggtctg cctttccaca 120
 gactcttata nnnnctcagt gccttgtgat ttctgctctc agattttttc ggactggccc 180
 agggctcctgg gctcttggtg gagtgtaggg atgggagagg ctctctgtac ctcggcctct 240
 ccttcctctg gcagagacag cagggtgctt cccagantcc ccaccatcgt agcaggccttt 300
 cagcctggcc catctccctg ctgcctccag gctcagggtcc agctnactgt tgcagnctgc 360
 ctgagcagcc tggatcctgc cntgagggtta gaccagagac ctctcctcc ctcccaatgc 420
 tttnnngca aaagagaggg cccttgctg 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
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 ctgtcagtgt ggaagggcct actgttaaag ccctgagtga gctaggtagg tgactgttgt 120
 gcccttcatt gcctttggct aaagactgtc cacatgtctg tccaggcaca tgacaggtgt 180
 gagggcctca gcgttgggtt cttcatctgt ctttctcggt tgtccctaata tgctcggtag 240
 caacctagaa gactggactc tgcccagggt ggctctttgt gaaagtgggt tattctggcc 300
 accggagaaa gatggctgaa cagtggcacc agtctgcttc atgctgcaca gaacaccgtc 360
 ttaagtaagg tggccaaaag aggttgctgc agcaagtgc actctgccag ggccatggcc 420
 aggggctcctn 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
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 agaacttttg atatcaggca aacggtttcc tttttgagat attttaacag agaaggggtg 120
 ggggagaagc agatgaagct gtactaccca gccctcttct tgtttgtatt tgtttagggt 180
 tgtgaggttg tgtaaaatag tactagcttc ttacttgaga actacagttt ctgcttatca 240
 tttattcttc cttgtggcac ttaatatattt aattgtctta agctttttga tgtatatatc 300
 ctctggcccc ttacatgctg ccagaggaga aggtgtttgt ttgagattca ttccacttga 360
 agtgtctcct gggatcccca cagctgcgta tggctgggaa atggacttaa ggcttgggct 420
 tgaattggtg gctcctacct gtgaggtccc atcgtgagtc actgggattt gtgttgcattg 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 tgaagtcattg 120
 cagccagtgt atcagccctt tgtacttaga agtgtggccc ctctctctta 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>
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 <222> (125)..(125)
 <223> n is a, c, g, or t

<220>
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 <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
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 tgaccaggt gccgtgtctt ggtgtcagtt ctcttgctt ctgctttctt gctgcctgta 120
 atcantgtgg ccacagacat tcctgcctaa acttaanccc tnctgtgagc aaaaggtact 180
 gtgagttcct tgagaaatag gtactgtac 209

<210> 1150
 <211> 359
 <212> DNA
 <213> Mus musculus

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

<220>
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 <222> (181)..(181)
 <223> n is a, c, g, or t

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 <222> (243)..(243)
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<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

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nttttggtg tgatgggtgc atatgtgtta ctaaaacgtg aatcctaaca tgagaagcag    240
ttncntggga ccagaccgaa atgagttctg ttgaaaaaga gaaaagctaa tatatttgaa    300
atgttccact ttctgtataa agagaaacca ggtgggggatg tttttgtctt atctaaata    359

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<210> 1151
<211> 383
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

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<220>
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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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<220>
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<222> (206)..(219)
<223> n is a, c, g, or t

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<400> 1151
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ttgcgggtcc tacagggtcc acatgtgcgc tctgngtctc ttaggacagt aaccagagcc    120
gcggcggccc acnggtcagc cgcgtagacg ggagcggaga ggagataaga tggcggccca    180
gctacgcaga caccaggggc ggcgannnnn nnnnnnnnt gacgacctcc ctacgagaac    240
atgcctctcg caaaggatct ctttcatccc tctccagaag aggagaagag gaaacacaag    300
aaaaagcgcc tgggtgcagag cccaattcc tactttatgg acgtgaaatg cccaggatgc    360
tataaaatca ccacggtctt tag                                           383

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<210> 1152
<211> 331
<212> DNA
<213> Mus musculus

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<220>

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

<220>
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 <222> (109)..(109)
 <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>
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 <222> (148)..(148)
 <223> n is a, c, g, or t

<220>
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 <222> (231)..(231)
 <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>
 <221> misc_feature
 <222> (294)..(294)
 <223> n is a, c, g, or t

<400> 1152
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 cagaggagac ttggggaccag ccttggggacc anccttggga ctgtttttng tgtaggggct 120
 gcntgttctc ccattacctc catctgancc ctcccagaga cactgctggg agacttcctt 180
 cctctaacgt ggtgttcagg atgcttcctt ctgagcttcc catcgctaga nccttcctt 240
 tgggctcctt ggagtgagat gcaggctcat ccatcagctt ttacggggag nccngagggg 300
 agcggttgca atgttgagta aaggcttcct t 331

<210> 1153
 <211> 519
 <212> DNA
 <213> Mus musculus

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

<220>

<221> misc_feature

<222> (430)..(436)

<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> (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

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atgcgtgagg atgtggtctc ctccattcgg aacttcctca tctacgtggc cctgctgcga 120

gtcactccat atatcttaaa gaagctggat agcatctgag gacgggcagt caggtggatg 180

catggcatga agacctggtg acggcttctc ctctgtctg cagctgaatt ggcccagaaa 240

gggtgaaggc tgattaaacg gacatataaa ctacttgttg agaacaagta ggactttgag 300

aactgacctc catagctgaa atataaagcc acttggggaag 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>
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 <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
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 gttggctgcc caccttagcc tcctcttgct gtttgccctc tgtaggtggc acagaacagg 120
 ggaaagtatt ctggcactgc tgaaggatcc ttccaaaagg aaagttccac cccaagccct 180
 cacacctaac cagattgttt ccctcctctt cacctccaac ttcattggca tctgctttag 240
 ccgctcgctc cactaccagt tttatgtctg gtatttccac aactgccct acctcctgtg 300
 ggccatgcct gcacgtggc tcacacacct gctcaggttg ctggtgctgg gactcattga 360
 gctctcctgg aatacgtacc catccacgtc cttcagctct gccgccctcc acctgtgcca 420
 cgctgtncnt cctgctgcag ctctggctnt ccccgagtc cttccctaag agcattcagc 480
 caagcaggaa aactcactga aaccacccc ttcttntag 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 ctttctatit tatngacttc ccctccttgg 60

ctgctgggtc tgtggtcgat cctgctgtga ctctccctc cacacccac 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 ttttctctgc ctcactggga 180

gagag 185

<210> 1157

<211> 98

<212> DNA

<213> Mus musculus

<400> 1157

tcatgaccaa gaaggcaacg ttggggagga acaggggtgta ttttaagctta cacttggcac 60

agtgtgtttc 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

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<400> 1158
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tttactggct tactcttgtg caggtcttgc actggtgtcc acaggtgctg tgagctgatg    120
tgtttggtg cctgtgtgtg cgtatccaga agccaacatc tcccagctct gccgacaact    180
cttacattct ctctgttcac tcttctgtgc tgttcctga gcctgggacg gaggaggctc    240
aggcaggtga gtgattcatc cncagctgag cctgagagtt catcatcctt ggcaactggca    300
ggggagcctg cattcactac tgctcactgc ataaaccaag aaagtggaga gcactgcgga    360
tctacgcggt tggcgttgtg gcctcttggg tgattttttt tttnccttt aatgagtgtg    420
gagtggcctt ccttatctga ctatatttgg tttgatgtca ttttgtcaaa tattagaata    480
gctgtgcctg tatgtttttt agttgcattt ccctggagtt c                                521

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<210> 1159
<211> 505
<212> DNA
<213> Mus musculus

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<400> 1159
tgcgcttcct acagggactt tgagtctaac aaatgcttcc cctgcccaga tcaaggctgc    60
ccacagatgg gtcactatgc tgataagttt gccacaata caagtgtgga gccacagaag    120
ttcttcctga acacaggaga agccaagaac tttgcacgct ggaggtaccg tgtttccttg    180
acattctctg gaaggacggt cacaggccaa gtcaaagtgt ctctgttttg aagtaacggc    240
aatactcgcc agtgtgatat cttcagggga attatcaagc ccggtgctac gcattccaat    300
gagtttgatg ccaagcttga tgtgggaaca attgagaaag tcaagtttct ttggaataac    360
cacgtggtaa acccaagttt ccccaaagtg ggcgcagcca agatcactgt gcaaaagggg    420
gaggagcgga cagagcacia cttctgtagt gaagagaccg tgagagaaga catcctgctc    480
actctcttgc cttgtaaaac ctcag                                              505

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<210> 1160
<211> 300
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

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<400> 1160

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aaaaggagtg cccagctcct ttcctcattt caaagttgct accagtgtat gcagtaatta      60
gacaaagaag aaattcagta gaccatttta ttgcctagtt gacaacattg cttgaatgct      120
ggtgggttcta tccctttgac actacacagt tttctaatat gtgttaatgc tacgtgatga      180
gatgccctgg ttcctagtg caaaggttca acttaatgta tatacctgga aacccatgca      240
tttgtgcttt tttttnttt tatggtgctt gacgtctgta aacagcccat cctctgcaag      300

```

```

<210> 1161
<211> 396
<212> DNA
<213> Mus musculus

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<400> 1161
ccagctttac cagacaccat ggagaaggct cttgtttctt tgcttgtgtc cctccttgca      60
gtggcctatg cagctcccgg accccgggggt cttattatca acctggagga cgggtgagatc      120
tgtttgaaca gtatgcagtg taagagcaga tgctgccaac atgacaccat cctgggcatt      180
tgcccgttgc acacacaagg ccatggagaa cagcgagtgc tccccaaaga ccctctatgg      240
gatctactac cgggtgtccct gtgagcgggg cctgacctgt gagggggaca ggagcatcat      300
cggcgccatc accaacacca actatggcat ctgcctcgac tccaggcgct ccaagcagtg      360
agatcacgca gttagctggg ttataccttc ttctct                                396

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```

<210> 1162
<211> 463
<212> DNA
<213> Mus musculus

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

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<400> 1162
ttaagcccag gcagggactt gctcattcta ggcaagtgtc ctaccactga gcgggagtca      60
cccctacttc ctggatagta ggctttttta gttgtgtgtt ttgttttgag acagtgtctc      120
actttgtagc tgtggctatc ctggaactca atcagtagat gccagagat gatgtgcctg      180
cctctgccgt ccaatgctgg gattgaaggt gtgcacagcc acaccagctt aagggtttgt      240
taaagaagac gataggtatg gctggattat atagtcttca ggttcacatg aacttggtg      300
tattctgata acattgagac cgttttccac caagttagcc tcatttgttc agtaacacat      360
cttaccgagg aaaggaggca aggaagtgcc cttttgtgtc tcctcattgt tcacagccnt      420

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gttgggtctcg aacactcaac atatgattgc tcgatcactt tag 463

<210> 1163
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 1163
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 aggaaggggaa ggagtgggtc gggatgcaca ggaatctttc ctgtatcgga ccaggaaaga 120
 aagctggctg tgggtctgta gggatcatgac tgttgtctgc ctcttttcac cctgtaagtg 180
 aatccctgaa cttgggttccc tctgaagcca gtcttgggtta 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>
 <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> (148)..(148)
 <223> n is a, c, g, or t

<400> 1164
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 gacaatggaa agtcctggct gccggaacgc ctcatgagg taaagtctct tggcgntttt 120
 ganctgggac cagcccagcc attctcance tctcgacatg taatttcatt tcttt 175

<210> 1165
 <211> 49
 <212> DNA
 <213> Mus musculus

<400> 1165
ggcagcatta caccgctcaa atatgaatac ccagatgagc tccagtgtg

49

<210> 1166
<211> 341
<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)..(74)
<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> (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
ggcagcatta caccgctcaa atatgaatac ccagatgagc tccagtgtgt gaacctcaag

60

ctcctgcctt aanngaggac tngtgccaan agcccnacat agagaagggtg acagatgaca

120

tgttgtgtgc aggagatatg gatggaggca aagacacttg tgcgggtgac tcaggaggcc

180

cactgantct gtgatggtgt tntccaaggt atcacatcat ggggccctag cccttgcggt 240
 aaaccaatg 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
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 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 ccttccttac ccagttccgg cggctgagtg accttcgggg 120
 taaggagcgc tctctgttgc acggtgactt ccatgcactg tcttcctcac ctgacctctt 180
 ctctacata cgacactggg accagaatga gcgttacctg gtggtgctca acttccgaga 240
 ttctgggccgg 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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 tgcgtgcccc aggataaggc catcaagaag tttgtcattc ggaacattgt agaagccgct 120
 gctgtcaggg acatatctga agcaagcgtc ttcgacgcct acgtgcttcc caagctctat 180
 gtcaagctgc attattgcgt ganntgtgcc atccatagca aggttggtta 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


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<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 aatgtttctgg gttcaaatcc aggatctccc tt              292

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<210> 1173
<211> 390
<212> DNA
<213> Mus musculus

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

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<400> 1173
tcttgcccat gatgcgcca ttgttcacca ggagactttt gcccgaatcc tctatgtctt      60
caaattccag gatgaagaag aggtctttga atggaacaat gaagtaaaac agggactttc      120
aagtagtata ttaccaaaag atttgggcag aatcttccgc tggcttggac ctaaagggtc      180
cgactgtggc atcgtgaacg tcaatattcc taccagcggg gctgagattg gtggtgcggt      240
tggcggagag aagcacactg gcggtggccg ggagtctggc agcgacgcct ggaagcagta      300
catgaggaga tccacatgta ccatcaacta cagcacntcc ctccctctgg ctcagggaat      360
caagtttcag tgatactgcg tgggcttggc              390

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```

<210> 1174
<211> 522
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature

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<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
 atgcctacag ctctatttgt tactacttca ctgaagaccg tttaacttgg gctgatgcag 60
 atctttttttg ccagaacatg aattcaggct acctggtgtc agttctcagt caggctgagg 120
 gcaacttttgt ggcctctctg attaaggaga gtggcactac agacgccaat gtctggactg 180
 gactccatga tcccaaaagg aatcgtcgct ggcaactggag cagtgggtct ctgtttctct 240
 acaaatcctg ggcaactggg ntctcctaac agttccaatc gntggctann nnntgtatnt 300
 ntgacttcaa acacaggata caagaaatgg aaggatgaca actgtgatgc ccaatantca 360
 ttgtntgca agttcaaagg ctgaagtcac ctgaaaaaaaa 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 acttttctcg 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 ctccataggcc 240
 cacatgcctg cagcccacag cccaccagtg gggnacgagc gagtcctggg gttccccatg 300
 gaaaagagca gcattgtgac ccccgcatgc ttttggcagg agggaggncg ccaccctgg 360
 actcccttgc cagggagatt ntcngcctt atgtgggaga tctagcatct gcttgcacat 420
 tntctntnt ggtatgaacc ctcaaactgg agat 454

<210> 1177
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1177
 ccctgggttt 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

<220>

<221> misc_feature
 <222> (45)..(45)
 <223> n is a, c, g, or t

<220>
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 <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 tcagtgcctt ggccctgctg agtttagcag gtaacacttt ttcagctaag 180
 gtgannngnn aaagaggcta gttgccatga tgcagtggcg ggatgtcca gaatttatga 240
 tcctgtgtgt gggactgacg gaattactta tgccaatgaa tgtgttntgt gctttgaaaa 300
 caggaaacgc atagagcctg tcctcattcg aaaagggtggg cctt 344

<210> 1179
 <211> 90
 <212> DNA
 <213> Mus musculus

<400> 1179
 tgaattccca ctttgtggcc atatggtgtc agatgaatat gagcaactct cttctgaagc 60
 actggaggct gcccgatatt gtgccaacaa 90

<210> 1180
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 1180
 gtgccttttg gaagccccag ggcacagtgg ccagggttca cattggccag gtcacatgt 60

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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 cccaatcgt ggtcctctgg acaagtgga 279

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<210> 1181
<211> 473
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (147)..(148)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (158)..(161)
<223> n is a, c, g, or t

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<220>
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<222> (201)..(201)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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<400> 1181
tcaagcatcc caacttcaat agcaggaccc tgaacaacga catcatgctg atcaaactgg 60

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cttccccctgt gaccctcaat gccagagtgg ccactgtggc tctgcccagc tcctgtgcac	120
ctgcaggcac tcagtgtctc atctctnngg cntgggggnnn ncaacacctt gagctttggt	180
gtgaacaacc cagacctgct ncantgcctg gatgccccan tgctncctca ggctgactgt	240
gaggcctcct tctctggaa agatcaccaa taacatgac tgtgttggt tcctngagg	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 tgtgcccga gaacaaaat tggcctttgt catcagaatc	60
cgaggatatca atggagttag cccaaagggt cgcaagggtgc 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 tgcattggagg atctaattca tgagatctat	360

<210> 1183
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 1183	
tggcaacttc tatgtgcccg cagaacaaaa gctggccttt gtcattcagaa ttcgaggat	60
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
tcttggttaag tttggcatca tctgcatgga ggatctaatt catgagatct atacagtcgg	360
gaaacgcttc aaggaagcaa ataacttcct gtggcccttc aagttatctt cccacgagg	420

t	421
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<210> 1184
 <211> 232
 <212> DNA
 <213> Mus musculus

<400> 1184
 aattaggtat ccaaggacaa ccttgaattt ctacagccac tacctaggct tggattacac 60
 agtgctgagg atcaaaccga 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 caaaccagg 120
 gctttgtgtt gtgctaggca agcactctaa caactgagct acatccccag ccctacatat 180
 tttagactcc agagtcttct gttgagcaac caagggacaa cctaaaacaa cttctccagt 240
 gagtgcaggg aaatagcaat acaaagtgtc cattgctgca gtgcaatact catttggttg 300
 atacaaagga cattatccac attttactaa tatnccanaa ctggaattat gaggaaggtg 360
 gattacaatg aacagggcag gcagaacagg aaaanttann aagtatttga caagacttta 420

gaactttaaa taataggtct gattaatttg cagacaatga tagaaagttt gttttgactg 480
 ataccatta 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
 ttttgcaata gttgccgcct aacctcatgc acacctgtat actgtatgca catgcacatg 60
 tacacattag aacagaggcc tgcaccttta agccgaatcc cataacatga agacatcagg 120
 ctacacttga gcatcgtaa gctgttttag ctatggccta tttcatgact ggtcctggct 180

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ccaccatgta cttgggtcagg catgcagtgg tgaactaagt aacgtggtgt gaaacttcct 240
aacaggttat aaagagattt ctcatttggg gggttttctc aagtaggtga cctgaaggct 300
gctccctnaa nnacatccct cnttccccca ccttccatcc cnttcctggg gactgagcag 360
ttgctcttgc ctggcctntn tgccctattc catcccttta tgaaggcctc tccaggcttt 420
aaaggaaanc ctgaccttca aggccacatc ctgcttancc cttcctgact gtattcttcc 480
tgcctaatac cctccccttc tactcccagg cctggtcata gcctggaagc cat 533

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<210> 1187
<211> 166
<212> DNA
<213> Mus musculus

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<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

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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

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<400> 1188
atagtagctc ccagaggaag caagccatgc tgggaaaaag gaagtgggtc aaaaaagcgt 60
agggctgcac tgtgatgtga ggaccgccat atgcaagagg cctttgaggg tccaggagga 120

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tggccaccct cgctctaggc cgtaatgcat gtgcttaaatt gcaagacaaa tggagccata 180
gccagccgta cccagcctgg ctcaccctcc tccagacacc agacaccagc ctcctgggtg 240
tggtgagagg agaaggggaac aggtctggtg gatgccaagc aactagttag tncctccan 300
tntcgaccta gatttncatt cctcatcagg actagaaatt agtaccaatt gaactagctt 360
gttttgacag gtctatttca c 381

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```

<210> 1189
<211> 270
<212> DNA
<213> Mus musculus

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<400> 1189
gctatggaga cttccgcgct gatgacgctg atgagtttgg ctacagtcgc gtaaggagaa 60
cttgccctggc cccagcacc gctgatgcca gaccttctcc cgctgccagg aagctgttgt 120
cgactccaga cctggttgag ggagtataga ttgggtctag cttgcttcag tgtacagaaa 180
cctcctctgt cgtggctagc attgaagctg ggggtggagaa cccgaggtta gttgggggca 240
gacccgcaca gtggtaatgc cgtccagtct 270

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<210> 1190
<211> 434
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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> (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

<400> 1190
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 ggtgtcccaa aatggggcac tatgctgata aatttgaggg gaaaactgct actgtggaac 120
 aaaccttttt cctgaataca ggagacagtg gtaactttac tcgttggaga taaaaagtat 180
 cagtcacact atcaggagca aagaagctga gtgggtacat cttggtcgct ctgtacggan 240
 gtaacggaaa ctcaaagcag tatgaagttt tcaaaggatc cntccaacca gaagcaagat 300
 atatngtgta cattgatgtg gacgtcaacg ttggagaaat ccagaagggt 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>
 <221> misc_feature
 <222> (226)..(226)
 <223> n is a, c, g, or t

<400> 1191
 gtttatcatg gcttatagtg tcagagggtt atatgagagt ctgtcatagt atgaagatac 60
 agcagcagat gagcacagca gctggagacc accacatctt caactgctag catgaggcag 120

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agagtgaact gggtaggggtg agcactatac ctgtgggtttt ctaccttcct aatgctgcaa 180
ccctntttat agttccttat gttgtgggtga actgcccccc ccccnatac aattatTTTT 240
gtgtgtgtaa ttttgctact ggtatgaatt gcaatgtaaa ttttttgaa gatagagggtt 300
tgccagaggg gtcacgaccc tcagggttggtg agagcaccac tgctctaatac tatcaatgcc 360
tactggccct gcggtacacg tccttcagga aggctgtgtc acccaactct tcccaaattgg 420
tgccaccaac tgaagaccaa gtgttcaaat acccgaatct atggagaatt tttctcatcc 480
aatcccc 487

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<210> 1192
<211> 236
<212> DNA
<213> Mus musculus

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<400> 1192
tagttgattg cttaaactcag taatgctgtc ttaactacga tgctcaatga ttaatgacag 60
gtgggggggtt ctctgtgtct tgaccccttt cttctgaagc catcaatacg aagaaccgaa 120
ccgaaccggc ctctcaacag ctaacatagg gtttggaagc agcattagat cctttgtagc 180
aatctggtct acagacttta actcaagcta agactaaact tgctactttg ttgaat 236

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<210> 1193
<211> 411
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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<400> 1193
gagaagtatg ccaagtacct gccccacagt gccggacgggt atgctgccaa gcgcttccgc 60
aaagcacaat gtcccatcgt ggagcgcctt actaactcca tgatgatgca tggtcgtaac 120
aacggcaaga agctcatgac tgtgcgaatt gtcaagcatg cctttgagat catccacctg 180
ctcactgggtg agaaccctct gcaggtcctg gtgaatgcta tcatcaacag tggcccccca 240
gaagactcaa cacgcattgg gcgggccgggt acagtgagac gacaggctgt ggatgtgtcc 300
ccnactgcgt cgagtgaatc aggccatctg gctgctgtgc acaggggctc gtgaggctgc 360
tttccggaac atcaagacca tcgccgagtg ccttgcagat gagctcatta a 411

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<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 accaccaat aacaatggag taacaaaaga 120
 agtgaccatt aatgcagaca ctacttgtgg caatgactgg gtctgtgaac acagatggcg 180
 tcaaatcagg aacatggttg ccttcagnaa tgtgggtcaat 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

<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

<400> 1195
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 tgtcagcagc gggggcgatg agagggctcc cggctgctcg cgttcgctgg gagtcctcca 120
 gggctgtaat cgccccatcc ggtgtggaga aaaagcggca acgagaaccg accatgcagt 180
 ggcaggagga ccagaaccc 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
 gaaattctgc aagcacgctt cccaatgcc a cgttatatca acacagagca tggcggcagt 60
 caggctcggg tctgntgtc taaagttaac ccatctcaga cacacaataa cctgtatgcc 120
 tgggggcagg aaactggagc gcccatcctg acagacgatg tcagcctaca ggtgttcatg 180
 gatcacctga agaagctggc tgtgtctagt gcctcttaag ctggtggccc cgcctggaag 240
 tggaagacaa tgctgtcaga ttgtgtcac gttgttgata gcgtcctagc aacattcacc 300
 tttcggggag gttctaataa ataaccgaag gaatttttat atatgtatnt cttcaggcta 360
 taatacgtct tcaggttgta atttatttgt attcctctct gtctgttttc ct 412

<210> 1197
 <211> 340
 <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> (288)..(288)

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

<400> 1197

aagactcagg ttattacact ctacaaatac ttgatacaac ctcaagacct gaattaatac	60
gtgcagaatt ctttgttcac agcccacttt taggctacaa gaagcatctt gccccttctc	120
aactcacaat taagttggtg ccatctaggg ttgaagaaaa tgacaatatt ctctgcagg	180
tttatcatct gccacagaag cttcaaggct ttgcctggca caaaggagta cttccacttg	240
accattttaa gatagcaagc cattcattcc tcaccatttn aantatgntg gggagtgcat	300
atcaagacag agtgataata tgtaatgatg gaaccctggt	340

<210> 1198

<211> 260

<212> DNA

<213> Mus musculus

<400> 1198

atgagttgta ggtgcactga tctgctagag ctgtaatatt gtaaatactg gactcaggaa	60
ctttcgttgg gagaaaattg agagaactta agtctcgaat gtaattggaa tcttcacctc	120
agagtggagt tgaaaatgct atagcccaag tggctgttta ctgcttttca ttagcagttg	180
ctcacatgtc ttgggggtcag ggagaggagg aattggctat tttaaaaatt gagaaaaagg	240
tgggtcaggg tgtgtgttca	260

<210> 1199

<211> 437

<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> (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

<220>

<221> misc_feature

<222> (108)..(108)

<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> (147)..(147)

<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> (198)..(198)

<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> (251)..(251)

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

<220>

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<222> (287)..(287)

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 agcaatgtga cnaagacaat gaagggnttt gnntacatnc tggccaagct acaagggtgag 180
 gccctttcca aaaccctngt tgagacagcc aaagaggcca aagagaaagc aaaggagacc 240
 gcantggcag ntacagagaa ggccaaggac ctggccaaca aggccgncac caagcagcag 300
 cagcggcagc tcgtataact cgcttctntt ccctntcccc agtgtacgtg attattanag 360
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 atctgcacca accagct 437

<210> 1200
 <211> 91
 <212> DNA
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<400> 1200
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 ctctgggtca ttgagtaact ctcccatcct tctccctntc ctgccaggaa tnngntctng 180
 cccggttcaa aagcaatgtg acnaagacaa tgaaggngnt tgnntacatn ctggccaagc 240
 tacaaggtga ggcccccttc aaaaccctng ttgagacagc caaagaggcc aaagagaaag 300
 caaaggagac cgcantggca gntacagaga aggccaaagga cctggccaac aaggccgnca 360
 ccaagcagca gcagcggcag ctctgtataac tcgcttctnt tccctntccc cagtgtacgt 420
 gattattana gagcaacctg canncctctc tgctgtctgg ggtgggtgggt cagggccctg 480
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<210> 1202
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 cagaaactgt taaatttggg cctgagcgca tgtatatatga tagctgggtc aaaaaacata 120
 cctatgacac gtttaaagag gttcttggat cagggatgca gtaccacttg cagacaaatg 180
 aattccttcg aaatgtatgt gagcttggac cccctgtgat gcttgatgct gcaacactta 240
 aaaccatgaa gatcttctcgt ttgaaaggc atttatataa ctctgcagct ttcaaagctc 300

gaacaaaagc tcgaagcaaa tgccgagata agagagcaga tgttggagaa ttcttgtaga 360
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<210> 1203
<211> 494
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<223> 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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actttttttt ttnattccct tgactcaaga ccgctaactt cattttcaga actgttttaa 180
acctttgtgt gctggtttat aaaataatgt gtgtaatcct tgttgctttc ctgataccag 240
atcgtttccc gtggttgggt agaatatatt ttgttttgat gtttatattg gcatgtttag 300
atgttggggt 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

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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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 ccccccccc caaattaaat gaaaacatga acgctagatg ggaatgatgg gagaaataat 180
 atattttattt cgggtgaaatt ttgcatgtgt gaaagtttgt taactaggat cttcgaaatc 240
 ctagactttg cttttgtctt actgtgggaa acaaagtctc ttgcagacac tagcatttta 300
 aggtgacaaa ggtcagagat tgtttccttt ggtttaagga gcagccaagc attcttcaat 360
 tgggggctag ggtaggggtat 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 cgggtgccacc cactcctccc gattcatccc 240
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<210> 1206
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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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 tgttttctgg agaaacgaca tcacacacgt ggtgccatga cccatcttcc tttaacaactc 180
 aattccttga ttttgccctca gctcccagac tgaggnaana ttaagcaatg gacagcagga 240
 tntcatctca tttgagtnaa nttacaaatg atacctggaa cctntcacat ttncctaatt 300
 ggcttattca catgcattag acattgctaa actagtttga ttttagttat tgatgtggtt 360
 tttttttttt tttnatgaat agtgcccagt agatggagaa agatttgcaa cctcaaattt 420

tccacc

426

<210> 1207
<211> 444
<212> DNA
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 <223> n is a, c, g, or t

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 catggagagc tgaagtgaca aatgggctca ttctcaggcc actctgtcgg cattgcttga 180
 tnccnngttg accttaagct gggaagactg cagaccaag actnttnatn gtagtttnag 240
 ggantcantn tgaggagggc tatnccaggn ccaggcaggg gttaacctct nccaggttga 300
 cagaactgag atactgcact gggaagncca tgcttccng gctagaaatc tatttttgga 360
 agtgtgagtg gtgcgcatag tgtgaatggt gtagatcctt gatttccata aacctgtaaa 420
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<210> 1208
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 <212> DNA
 <213> Mus musculus

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 tgccgtgtgt ctgcccactg nttgacgant gacttccttg ctgggacanc tgtgtgccac 180
 cactggctgg ggcaagacca aanntacna atgccctcaa gaccctgac aagctgcagc 240
 aggctgccct gcccatcgtg tccgaggcta agtgcaagga gtcctggggg tccaagatca 300
 ccgatgtgat gatctgcgca ggcgccagtg gcgtctcttc ctgcatgggt gactctggtg 360
 gccccctcgt ctgccagaag gacggagtct ggaccctggc aggcattgtg tcctggggca 420
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 <211> 263
 <212> DNA
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 <223> n is a, c, g, or t

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 tgtgtgtgta acattggcca aaagtgttta cagggtcaacc tagggtttgg tcactacggg 120
 aggccagtga tctagcatcc aatctgtagg agaactccaa gtgcctggac ctncaggggc 180
 agtttagggg tctgccacta ntccatgaga cattgggtcat taggtggttg tntnnttctt 240
 ccatcttgag aaagggaccc tga 263

<210> 1210
 <211> 313
 <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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 cccaggcctg tccttgaaga tcctgcctt gtctgcatg tacatggctg cttcaagtga 120
 agcttcagtc ttcttacctg ctgtgggtcac tcctgaagac tctgtcccga agtttggtgc 180
 tggctgctcc agcccagcat gacttcata taaagatgct tagtttgccc cctccacaga 240
 gctgttcccc tcaccacact gttattctgg aggggtcaga ggaggcngg gcttgactca 300
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<210> 1211
 <211> 269
 <212> DNA
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 <223> n is a, c, g, or t

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 gatccgcaag catgcgagcaga ccttcacgac tctgtgcgct accgacttca agtttgccat 120
 gtacccgcn tcgatgattg caactggaag cgtgggagca gccatctgtg ggcttcagca 180
 ggatgatgaa gtgaacacac tcacgtgtga tgcctgacn gagctgctgg ccaagatcac 240
 ccacactgat gtggattgtc tcaaagcct 269

<210> 1212
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 <223> n is a, c, g, or t

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

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agggatatnt cttttgccag ttggacacag gtgaacggnt ncntaagtnt catgtttggt      180
gaatttgggc ttntacttcc aaacatgggt cattgtagat gtattttact gttatntgat      240
ggaggggaatt cgctatgggc catgaccaaa acgcatctaa atggggggcag atggagacca      300
tagacggaat ctaaaacaaa gctgccttgt gtaaggggaag aggggtgaggt gatctttaat      360
cccctt                                     366

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

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aagaacagga ggtgtcctgt ataacacaag tgagggtatt atgggctcac tctgggtcta      180
tacaagaatt tcagtactga agccaagaac aggcaggtga aaattcaaga cttctgagtc      240
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 <222> (471)..(471)
 <223> n is a, c, g, or t

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 ctactgttat tatctaattg aagaccgttt gacctggggg gaggctgata tcttttgcca 180
 gaacatgaat gcaggtcacc tgggtgtcaat actcagccag gctgagagca actttgtggc 240
 ctcgctgggtt 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
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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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taaaaaaacac actgtgcctt tgaaacttgc taaaaagatt aacttctgtc ccaaaaggta 180
tcagccatgc gctaccagcc tcctgcccc tacagtggca gtggctgcat tcttggtgaa 240
tggtagtgga agggattaaa cctaggcctc agtcatgctt ccagtcact 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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 <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> (351)..(351)
 <223> n is a, c, g, or t

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 atctataaat actgaagtgg tagcatgctc tgttgactct cagtttacct acttggcctg 180
 gattaatacc cctcgaagac aaggaggact ggggcccaata aggattccac ttctttctga 240
 cctgaaccat cagatctcaa aggactatgg tgtatacctt gaagactcag gacatactct 300
 tagaggcctc ttantttatc gatgacaaag gagtcctgag gcagattant ntgaatgacc 360
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 ac 422

<210> 1218
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 <223> n is a, c, g, or t

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 ggagaaggat ggcacgcaca tagaattgag agtcttcttt ggtcagctga ctgatgaaga 180
 actaatgaaa ataatgacta acattttcca cccaatgttg gaagaggaga aaacacagcc 240
 agttgttgat gaccctgaat ttgaggatta nacnannaga gntggcgatg ggTTTTTtgt 300
 accaaatcag ccacagtaac atagacagca gtatgaagtt aggcaacgag tgaaacagcc 360
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<220>
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 <223> n is a, c, g, or t

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 ggaggctgac aactTTTTTT accatgggat tgccaagaag ctttgtgaga atgtcccagc 120

ctgctgctct	ggttaggctg	aggttaatac	cctgggtgttg	tggaagcttc	ctaagtggct	180
cagatacata	ctaggggtga	aaacatgggt	tctaagtttc	tacatgagtc	agaagcaacc	240
tgaagagaag	aaaccgcaca	gctgggaaaa	tggggagagc	ttagtgtgta	agaacactta	300
ctacaacaga	caggaggacc	caaggtcaga	tattcagcac	ccatgctaaa	aacactgggt	360
tgaccacatg	aacacgtgan	tctgcaaggt	ggggcagtga	ctactgctag	agcctgggtg	420
c						421

<210> 1220
 <211> 514
 <212> DNA
 <213> Mus musculus

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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
cctgggtgtg	ggctcctcta aattggttcc agtgggatat ggaattaaaa agcttcaa 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	cccgcaggaa gggcaggcat atgggcatag ggaagaggaa ggggtactgcc 120
aatgctcgga	tgcctgagaa ggtgacctgg atgagaagga tgaggatcct gcgccggctt 180
ctcaggagat	accgggaatc caagaagatt gaccgccata tgtatcacag cctgtacctg 240
aagggtcaa	ggaatgtgtt caaaaacaag cgcctcctca tggagcacat ccacaagctg 300
aaggcagaca	aggcccgcga 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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<223> n is a, c, g, or t

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

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<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
gcaccccttg aaatcaatag aaatgtttcc agcgatgacc tgtctgtcgt cctacaggtt 240
ctgcagcaca aacctgccca gatgagcaac gccctgcct ggcagctttg ggttctgcct 300
gagctactag actcagactt accttngttg ctacggttct atctaattcc agagtgcaat 360
tgtgtgttag cttttgcaaa ccaagagggtt 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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ctgaagggtgg 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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 <223> n is a, c, g, or t

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 <222> (204)..(204)
 <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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 nngnngnant tnncnnnnnt nnggnnnccn aanngnnagg nggcncgcgcg tccaagntnt 120
 ccaagatacg agtngttcgc aagntntntc gcccgagtcc tctactgttat taaccagant 180
 caaaaagaaa acctcaggaa attntacaag ggcaagaaat acaagcccct agacctgcga 240
 cccaagaaga ctagagccat gcgccgccgg ctaccaagc acgaggagaa gctgaagacc 300
 aagaagcagc agcggaagga gcggctgtat cntntgcgca agtatgcagt caaggcctga 360
 gatgacaacg acaataaa 378

<210> 1225
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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

<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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 tcctgtgggc gccagcttg aagctggaca cttctttgat gaatctatca ctaagcagca 120
 tgtctttgcc tctgtccatg acgctgtgac ctttgccctc anccaccgga agtctgtccc 180
 taagagccct gttttggcca ccnaactctg acttntgctg caggagactg cctacctctg 240
 gaggttgtga caggtcaccc tcatgaaacc ccctncctnt ggnccacctc caggtncac 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

atccccggctc ttttgatgtg gttcatgtga aagatgccaa tggcaacagc tttgccactc 240
 ggctgtccaa catttttgtt attggcaagg gtaacaaacc atggatctct cttcccagag 300
 gaaaaggaat ccgcctcacc attgctgaag agagagacaa gaggcttgcg gccaaacaga 360
 gcagtg 366

<210> 1227
 <211> 373
 <212> DNA
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 acggaggata agatcaatgc cctcattaaa gcagctgggtg tcagcgtcga acctttctgg 180
 cctggcttgt ttgccaaggc tctggccaat gtcaacattg ggagcctcat ctgcaatgta 240
 ggggctgggtg ggccngctcc agcagctgga gctgcgcctg ctgggtgggtg 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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 gagaaactat gtctgctatg tcacaggctg gggcctgctg cagaccaatg ggaacagtcc 180
 tgacaccctg aggcagggcc gcctgctggt tgtggactat gccacctgct ccagcgctag 240
 ctgggtgggga agctctgtga agtccagcat ggtgtgcgct ggtggcgacg gcgtgacctc 300
 cagctgcaat ggggactctg gcggaccact gaattgccgg gcatctaatt gccagtggca 360
 ggtgcatggc atcgtgagct tcggctcctc tctgggctgc aactaccccc gcaagccatc 420

cgtcttcacc agggctctcca actacattga ctggatcaac tcggtgatgg caaggaacta 480
 actgaagaca ttactgccac tgt 503

<210> 1229
 <211> 161
 <212> DNA
 <213> Mus musculus

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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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 aatgtgaaga ctcacctaga aaaagcattt tctatntaca gtccacatta gagccttaat 120
 ntgctctttc catatctgtc tttagtcctt ttggtataag t 161

<210> 1230
 <211> 315
 <212> DNA
 <213> Mus musculus

<400> 1230
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 agaggcctgg aggacacctc gtatctgtgc tcaatagcgc tgaggcttca ttcttgtcct 120
 ccatggtgaa gagaacagga aacagctacc aatacacttg gattgggctc catgacccca 180
 ctctgggtgc agaaccaat ggaggtggat gggaatggag taacaatgac gtgatgaatt 240
 actttaactg ggagaggaac ccatctactg ccttagaccg tgctttctgt ggcagcttgt 300
 caagagcttc tggat 315

<210> 1231
 <211> 556
 <212> DNA
 <213> Mus musculus

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 <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

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 tantctcat caatggcagc aagccacggc tttcaagttt taataaaatg ccaagaagga 180
 agctgtcccc attcattctc tgaacaaaac cctccttggt cattggccca ggggtggctat 240
 gagatactag gagaggggggt gccaaagccca gagcatggct gccaccccat tctcctacct 300
 gtggtgacag cttcaagttg aaaggtatgg gggaattgag tcatttagtt gtggtttgta 360
 ttgcactgaa acccttattt gtgttggtgaa attgctgctc atgggggtctc aactatgtgg 420
 tttctctttt atttgggtcaa gttcaaggct gtgcattaga agtttggctg tcattgtgat 480
 gtgtaactga tctcaagctg gtattcatta cccctgcaga gtcttctaaa caaaggccct 540
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<210> 1232
 <211> 388
 <212> DNA
 <213> Mus musculus

<400> 1232
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 ttgcccacca tggttctcat tagtaactta gagggctcag tgctacttct aggaccttta 120
 gtctctgaaa tctgggaaaa atgtttattt gcatagtttg ttagtgcctc ttaaagtca 180
 aacaggaata catttcagta gaaactttaa tttcattttc aattgtttgt aaattcatca 240
 gtatttagta aattgatctt ttttttatat ttctgcttcc aatgcagggtg caatttaata 300
 taatagactt tttaaagaaa ttaatgctaa catcattctt gagcttttta tataaatata 360
 ttttaatttg aagcgtgtgt gtgcacat 388

<210> 1233
 <211> 543

<212> DNA
 <213> Mus musculus

<400> 1233
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 gatagtggga ccacataggg taaatcttga tttgtatggg ttcatttctg attttttttag 120
 ggagatcttt gtgtcagtca aattggcagt ggggaaagat cctggcactg ttttaactgtg 180
 agctttcttt catgtctgac ctggagctga aaaaaagtcc tatggagtgt tcctgcaatc 240
 caacttctta ggttgtctct cccctatact gtgacttact taactcgcaa attgaaaata 300
 tgggtctcaag 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
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<210> 1234
 <211> 457
 <212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <222> (235)..(236)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (238)..(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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 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 acatttgcac 360
 ataagtccta gcttataaac atagttttta gtggtggcat ctctaacacg tcattcaggg 420
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<210> 1235
 <211> 540
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (214)..(214)
 <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> (430)..(430)
 <223> n is a, c, g, or t

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 ctagccactg cctgggtcaa cctggctgtg ggtggtgaga agctacaaga agcctactac 180
 atattccaag agctggccga caagtgtctc ccnacactg ctgctgtca atggccaggc 240
 agcctgccac tcngcacagg gccgctggga gactgcagag ggtgtgtctc aagaggcact 300
 ggacaaggac agcggccacc ctgagaccct catcaatctc attgtactgt cacagcacct 360
 gggcaagccc cctgaggtga caaaccgata cttgtcacag ctgaaggatg cacacagggc 420
 ccacccttn atcaaggagt accaggccaa ggagaacgat ttcgatcgcc tggcaatgca 480
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<210> 1236
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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> (56)..(56)
 <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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 <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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 ggnagncctt agangttagc atccccctca ngcggaagtc tgtggagagc tttagttaga 180
 tccgaggctg cttcagattg atctccaggt gaggtgagag gaaacgggaa tcctntgaat 240
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ctgtgacctc ttgcttaact ct

322

<210> 1237
 <211> 502
 <212> DNA
 <213> Mus musculus

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

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aggcagtttg ataaaagagt ctatcctctg gacttagaac tttctagagc atgcttggtca	180
gtggaggggct 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 ttcaggggggt tttattgtgc ttaaaccctt	480
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<210> 1238
 <211> 481
 <212> DNA
 <213> Mus musculus

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

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

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

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 agaagtgggc gagctggcag aactcttcca gtggaagtct gatacagagc ctggtcctca 180
 agcatggcca ccaaaggaga gacgagccct tcaggaggag cttagcgacg tcctcntcnn 240
 acctggtagn nnntanncag cccgctgcca tgtggattta cctcaagcag taatntccaa 300
 aatggacacc aaccgccaac gttacccagt ccacctgtcc cgaggttctg cctgcaagta 360
 cactgacttg ccccggtgga ccatntntga aaaccaggct gtgggggctg gagaccctgc 420
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 t 481

<210> 1239
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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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aagggaaagt tagtagtcgt ccttttactg actgtcacag tggatcggaa ggacaagcat    120
gtgcaaatac tcatctcagt aaggtcgggt gtgggtgaaa ggacacagaa ctgctgctga    180
ctttccgaat gtgtggaatc cccttgtagag gtatccagcc ctagaaagcc gagaacagga    240
agtaatgctt tggggctaac ccacagaaag gttagtttac cattagaata gatgggaaga    300
aggctctntc aagagttcta ggtctcattt agtttataaa gggaagcttt ggggccagat    360
ggtgaaagaa aaggcaacac aacactaaag attttattca tgtttgagaa aaggatatctg    420
aactccagct caaaggggat agttaaataa gtattattta acttagttgg tattttataat    480
aatggcgat  cttaattact cataa                                           505

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<210> 1240
<211> 232
<212> DNA
<213> Mus musculus

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

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

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

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tcgggtgcgt tcaagattcg gcgtcacccg tgattcaccg ccatggccga ggaaggcata    180
gctgctggag gtgtaatgga cgtcaacact gctctacaag aggtgctgaa ga           232

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<210> 1241
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<212> DNA
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 tcgggtgcgt tcaagattcg gcgtcacccg tgattcacccg 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

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 <222> (136)..(136)
 <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

<220>
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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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 <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

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

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 agaaacaggc ttctatcagc tttgtctaaa aaatgagcag aatcgcttca gttctataca 120
 agtgtatctc aacttnggag tcttctatga ggggcccagag gtggatcaca agcagagtca 180
 aaggaagcaa ctgaacgaca ctctggatgc gattaaggac agcacacaaa ggggtggagaa 240
 ccaagttttc cacatgtggc gcttctacaa ntatgccagg atgagnaaag tggctgantt 300
 nttcntcctg cagtctaact acacctatgt gaactggtgg tccacagntc agagccttgn 360
 tattgttctt tccggggccc tccagntnta tttnccttgaa aagacttttt actgcttcaa 420
 ctactgacac aa 432

<210> 1243
 <211> 498
 <212> DNA
 <213> Mus musculus

<220>
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 <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 aattttctcat ttaattttcc agtctcgatt gcaataacaa 120
 aatcaaccac acagtcagat gtctcaacaa acacctgtca tcccagtatt tgggaagtgc 180
 aggcaggagg atcagggggt caaggccagc ctgggctaac agtaagtttg aggctagcct 240
 tgtctgttac ataagtaata acaataaaaa tcaatcaaag tcctgntcag gaattttaaa 300
 ttgaacgaca tatccttctt ttctagtggg gctattttca aatcaaaaaa ctttgcattg 360
 gctatttgtt tttaaaaaca tggttgagtt tcacacgggt ccttgtgatn tccatttggg 420
 tgacccgagg gtttgtttga ggaaggtgac tataatgaag gtttagcattt tctgttcaaa 480
 tagttcttgt tcaggcaa 498

<210> 1244
 <211> 464
 <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> (438)..(438)
 <223> n is a, c, g, or t

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 atccataaat atttctaaaa gcgcctttta cattaccttt tttcaacatt atcttttata 120
 aacaataagg gttattgctt ttaggaactc tggggaaatt ctgtgtagct taaaatcagt 180
 cattaaaact cacaatagag taagtaaata gagccacctg ttctgacatg taaataagca 240
 tagtttgttc caagatgga acattgaagc ccagctgtgt ctactgtaat atattactca 300

aaagctactg ggcgtttttac agtaagcact tcatgtcaac agctacanca aacaccaaatt 360
 ctgaaccact agtgtggctg cttcgcaagg actaatgtca gagggtagg ctgcaagtga 420
 tcagtgtttg acagcccntg cagtgatctt ctttaactca tttta 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 ctcgttcctt cagcctccct cccagggctc 240
 cagagctcag ctcttccttt tctagaagca tgtgaagatg cccaagagcc tggagacatt 300
 gccatccttc ctacagaaac tgtttctcct cctcccctcc agccttcaca caagggcctt 360
 ggctttgttg agacagagcc tgtgctggca cttgctgtta gggtaggaag aggcacaaag 420
 aggaccccg tagcggtgat ctgtggcctt ctgtgggtag caccaagcca gtcagt 476

<210> 1246
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 1246
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 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
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<222> (302)..(302)
 <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> (411)..(411)
 <223> n is a, c, g, or t

<400> 1247
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 taaagtgatt atcttcccct ccttccccca agttaatctt ccatctttgt ttttgggttt 180
 caatgaaggc tttacataag aaattattaa acaaaacaag gggggcaata aatgtatata 240
 acattaataa tgtcgcgtag gtgtaggttc ctggatgcat ttggatgtac agactgactg 300
 gngggactgt attgcgatga tgattggtgt agaaacgtat ggggtctgggt ggccttttac 360
 atcttgccta ccattgcatg aaacattggg gtttcttnca aaatgtgtgt ngtcatactt 420
 cttttgggag ggggttggtt tcttctttta tgaaactcct actggagctc aatttgtaa 479

<210> 1248
 <211> 192
 <212> DNA
 <213> Mus musculus

<220>
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 <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
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 aggcgaaacc gaaagaggtc agaaaggctc ccctaaaaca agacaaagca gcagggggccc 120
 cntctgactg ccaatggagg ccagaaggtc aaacgcagtg ggagcaggca agaagcaaat 180
 gcccatggga aa 192

<210> 1249
 <211> 522
 <212> DNA
 <213> Mus musculus

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

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 <222> (206)..(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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 <223> n is a, c, g, or t

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

<400> 1249
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 cgtgcatgag cccttggcag atgtccaggc cgtctgctcc caggaaaatg tcacctgcaa 120
 gaacaggaag agcaactgct acaagagcag ctctgccctg cacatcactg actgccacct 180
 gaagggcaac tccaagtatc ccnaanntgt gactacaaga ccaactcaata ccagaagcac 240
 atcattgtgg cctgtgaagg gaacccttac gtaccagtcc actttgatgc tactgtgtag 300
 ggctccacat aggccaaacc agtgagatgt ctatgtctcc caacctcatc acctgtntcc 360
 cctctgtcta ccattctttt tctgaaagaa gtaagtcatg ttaggacttc catatgacaa 420
 aacatgcgtt cctgtcctgt gtcatgctcc cagatccctn tcttgctgta gacaaatgaa 480
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<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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 caagagagtg gttttcctga agcagctgga cagtggcttg ctgcttgta ctgggcctct 180
 tgtcatcaac agagttcctc tgcgcagaac acaccagaag ttntgtcatt gccacctcta 240
 caaaagttga tatcagcgat gttaaaatcc ccaaanacct gactgacgct tacttcaaga 300
 agaagcagct gcgcaagccc aggcacgagg agggcgagat cttcgacaca gagaaggaga 360
 aatacgagat tacagagcag cgaaaggctg accagaaagc tgtggatttg cagattttgc 420
 caaagattaa agctgttcct cagctccagg gctacctgcg ctctcagttt tccctgacaa 480
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<210> 1251
 <211> 494
 <212> DNA
 <213> Mus musculus

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 <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> (441)..(441)

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

<220>

<221> misc_feature

<222> (446)..(446)

<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> 1251

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caaacaccta ggggtggccc tatggttttg ttttagagaa aagagggtccc ttacctcacc	240
cccaagaccc ttggcttcaa ggacagagtc agaacaccaa gaganaacca gttataaccc	300
aggncctcac aantgctcnn canagcattt ntaccantca gtnttcattc ccagccccac	360
ctacagtntn nttnnaagcag gaccagtga cttagaaact aaagccattt tgaccgaata	420
ttcaaagaaa gcatttntnt ntgatnttnc cagccaaaga gctggactgc ctgcctaggt	480
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<210> 1252

<211> 311

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (100)..(101)

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

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acagagtcag aacaccaaga gaaaaccagt tataaccagc ggcctcacia gtgctcggca	180
agcatttcta ccaatcagtt gtcattccca gccccaccta cagtctcatc aaagcaggac	240
cagtgaactt agaaactaaa gccattttga ccgaatatc 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

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 gccgcttccc caaccagaac cagactaaga actgttggca gaactacctg gacttccacc 180
 gctgtgagaa ggcaatgacg gccaaagggg gtgatgtctc cgtgtgtgag tggtagcggc 240
 gtgtgtacaa gtccctctgt cccgtgtcat ggggtctcagc ctgggatgac cgcatagctg 300
 aaggcacatt tcctgggaag atctgacctg gctccgccca cctctcctct gttctttgtc 360
 tttctccccg gatagaa 377

<210> 1254
 <211> 496
 <212> DNA
 <213> Mus musculus

<400> 1254
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 tttatctgta agaacacaaa tttggcatta cagttaaggg agtgatttga attgattgac 180
 aagtcctggc atgtgacaat ttactaaat taccaagttt ggtttttaaat aatttcacaa 240
 tattatgcmc caagatctaa ttttaaaaat gtacgaggac tttgtgctga aaatacagag 300
 tattttttta aagtaaggct gtcttggctt aaaagcagat tacagaaatg taagccagcg 360
 taagagcagt ggctggatgt aaagcgccca gcaggaacca caggcactct gtgctgtttg 420
 tacttgaggt atgtaccatt tgtatacctg aatttatatt 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

<400> 1255
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 catgccagta cctgaagtc acagagggct tctactgaggg ctttttcacc aagtgggtggc 120
 gctgctttcc tgagaggtgg ttcccatttc cttacccatg gagaagacct ctaaacagat 180
 cacagatttt acgggaactt ttccctgttt ttacccaact tccattttcca aaagactcct 240
 ccttaaacia atgtttcctg atccagccgg aacctgtggt gggtagcaag atgcataagg 300
 tgcattgacct gttcaccctc ggcagcgggg aagccatggt gcagctcatc cctcccttcc 360
 agtgccgaac aactgtcag tccgtggcca tgccgataga gtctggagat attggctatg 420
 ccgatgctgc cacttgaag gtntacattg tagccagagg ggtccangcc tttgntcatc 480
 tgcgatggaa cactctctc ggatctgtag gaaa 514

<210> 1256
 <211> 428
 <212> DNA
 <213> Mus musculus

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 atttataaag ctactgtgac ctctaatttg gaaaaaccca ttgtaatgat tttaaagta 180
 aagaaagaaa caggatgtct ttttaagggtt ttaagttcat gcattaaata aaatgtatgg 240
 gaaagcccaa agacaaactt tctaataccc ttttatacta gggaaatttc acttgctgtt 300
 ttgtaccttg acagatggta agactataan ctgaagttca tattgtaaga actgtttgct 360
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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 aggggtggcg gaggatgatg 420

gggatgatga ggggaacacg ctcccttcct ntcttntca tccaccacta ccactattca 480

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cta 543

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<213> Mus musculus

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 atcacgaaga gcactttaca gataagaatc ttcctcccca gttcttcatg cctccttcct 180
 gccctttcct tacttttgtgt tggatttntt tttnnnnnnn ccaaatatgt gtgtatgtag 240
 acttcatggt agtgtttctt atttatttgg ttgctgctaa gccttganca nnnngnttca 300
 ccttcctggg cnttccccag tggtcacntc ctgcctggct tcctacttgg gtatagcatg 360
 tccnaaactg ggctctgaac actacancct gccnnttgga gctgncctat nctctggggg 420
 tgttagagag tttgtgggga tncntcttnc tgagtacccc aggacttggg aaataatgca 480
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<210> 1260

<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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 ctggtaggaa atgtgagtca gtcactttag tactgactca gcaggggtgt gctggggctg 180
 ggtactgact gaggggtgcaa 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
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 caagaaggca ccagaagcac cncctgtgg tatgctaact ggccctctcc ctctgggcgg 180
 ggagaggtca cagctgcttc agccctaggg ctggatggga tggccagggc tcaagtgagg 240
 ttgacagagg aacaagaatc cagtttggtg ctgtgtccca tgctgttcag agacatttag 300
 gggattttaa tcttggtgac aggagagccc ctgccctccc gcnnnnnntc ctgnncgtgg 360
 tggctcttag cgggtaccct gggagngcct gcctcacgtg agcccttctc ctagcatttg 420
 tccttttaga tgctttccct ctcccgtgt ccgtcaccct ggcctgtccc ctcccggcca 480
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 ggggttttct gtagacttta cttgagaggt gagtataaag ctttttttag tcatcatcat 180
 gacgatgctg ctcaagtgca gatccagaac agtacagcgt tgggttccta gagcatttgg 240
 taaactgttg tgggntttct tctttctgtt gccaaaactg cttttccact aattcatgcc 300
 tttaagcat tttaaatatg acaatattta taaatgtgtg gtttgaggga attgtttaaa 360

ttctttttcc taattttctt ttttcaggat agattatttc aacaagtaat ttgtagtgat 420
gactgtgttg acttcaattt tggagtgtag tagctgtgtt taaaaaaaaag agtaataacc 480
atttggttct tattgaagcc aacacggaat ttgctgctgt 520

<210> 1263
<211> 40
<212> DNA
<213> Mus musculus

<400> 1263
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<210> 1264
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cagaagccgc tgcagcctcc ggaatgattg cgattagtag gatggctgtg ctgtaccctc 120
aggttattgt cgaccatcca tttctctatc ttatcaggaa caggaaatct ggcataatct 180
tattcatggg acgagtcattg aaccctgaaa caatgaatac aagtggccat gactttgagg 240
aactttaaat gacgacgttt gagtacaaag aaagcaggaa caaagcacat tatgtttgca 300
agtggatatat atttaggatt tctgttttat agtgttactt agggaaatat ttaaatagtt 360
ctggatagta gtaatccatg tgacctataa gttagcctnt caaaagctgt tatcagtata 420
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<211> 186
<212> DNA
<213> Mus musculus

<400> 1265
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aaggagggcg tgatggctgc caaaaaggat gtccacatgc ctaagcaccg 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
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 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 tttttagacc tttgagctaa 300
 aataactttt gtaaagatta agctcattha gathtttttt aaagtattgc agcaggatct 360
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 gtgtcctcag ctaacctcct tctctctcca agtgttctga gcctgggtag ctctgggcta 180
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 agctgtaccc aagaagaaga ctaacagaaa accaantcag agttggganc ccacccacc 420
 ccggcacant ntcgttttga gtggaaccac tcagagtaaa gggactctnt nttcactttc 480
 ttgaaccag aaccaggg 498

<210> 1270
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 1270
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 agaggcctgt ccgggaggtc acagccttag gcaaacagtt gaacctgtgt caactgcccg 180
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<210> 1271
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 <212> DNA
 <213> Mus musculus

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 tgaactcctg attggtgacg tggagatgaa aaggggtgtt agctgtccca ggtgcgttnt 180
 gactacagtg gaccagaca ccggcatcat agacaggaag gagccactgg agaccctgaa 240
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 gatgtatttc tcggtggaga agcttgggag cctgagagtg ggtgaccctg tgtaccggat 360
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<210> 1272
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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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gggcatgggc ttccctccgg tggatatctt ctctccacta gtcctcggaa tcatggcggt	180
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caggcggtat tctgagtacc agtccataaa ctgaaacca ctctccagag ggaagggcag	300
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tcagaagcca gcctcaacct actgggggtgc tcccagtaag ttntccttcc aaaccacgg	420
agaggccacg ctacagggtt cccaaactcc cgtttctgt ggatgaaact tgaaggccta	480
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<210> 1273

<211> 469

<212> DNA

<213> Mus musculus

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

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

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ctgagcttat caaagaactc accgccctgg ggcggccaga tacccttgct atgtgtgggg	180
gcgtgattcc accacaggat tatgaatttc tgtatgaagt tgggtgtttcc aacgtctttg	240
gtcctggaac ccggattcca agagctgctg tccaagtgtc tgatgatatt gagaagtgtt	300
tggcagagaa gcagcagtct gtgtaacatc tggatcttta gttatganct gaagcagcag	360
tctgtgtaac atctggatct ttagttatga ccgaagaagg tagtggtaaa tccgtttcng	420
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<210> 1274

<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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 tattaaactt aaaaattaaa taaaatttta aaatttaacc gattcttcct tcaatttagt 180
 gttgatttgt gtactagaaa ctcaagttcc tgtgttaatt taataaaata atgacattta 240
 tcttacaaga aatagtggag ggtatttatg gatggatcct cagccagacc tactattgct 300
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<210> 1275
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 <212> DNA
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aaaactattg acatatttct actggtgcct aatccacatc tgtatcaaca tagctattgt      180
ttatattaat gataaattct gctgacttat ttataatag tttctaattt ctagctgttt      240
agggtgggcc tttgatcatt atttgtgtca gaataatgtg aagtgaagtg attgctaagc      300
tctgaccaga aaaaagtgtc caagaaaant taatttcctt tgttttacta tatgctcaaa      360
ataagtactg aaaatatatta ggctctgaac ccagagggtca gaggattggt atttaactcc      420
attttatttg cttaaagaaa tcaaaacaca aggtagattt aagtaataaa gataaaagta      480
ctaaaatatt gtaaaacatt ctgtattgnt cttacttttag aaatttgcct atttccaggc      540
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<210> 1276
<211> 496
<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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<400> 1276

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atctccctgc ttctaactctg cagtgaattc tgtatgatgc ctgccctatt tcataagcac	180
agagcttcag tcgtgcctac cccagagctc tggaaacagg cttaggagtg cttcctgtat	240
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agaaatgctn ccatcacagc taccttggca cagagggggc tcagctgtca gtagccatca	420
gttgaacaag ccaanccttg tccacgtgga ccattcaatc aaaaggagat gaatagcttc	480
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<210> 1277

<211> 474

<212> DNA

<213> Mus musculus

<400> 1277

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cagagacaac atttgacagg acacaccact cctgagcatc agggattggg gacaggagtg	180
agctcacagg tacagcacgg gcctccgttc tacagggccc ctcttgctc ttctggaaag	240
ggagctgggc tatgtggggt gtcttactga ctgccttgta accttcctgc ttcccacgtg	300
tctcatatct gcctctcccc ccacaccctt tctctgggaa ctgtgacgtc acaacccgaa	360
gataatgttt tcccagcttg gggtaggggtg aagtgggacc tgaaaaaaaaa ttttaataata	420
aggagatatt tatacacagt gttagggatg taatcttatt tcagctaggc agtg	474

<210> 1278

<211> 157

<212> DNA

<213> Mus musculus

<400> 1278

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catcgtggag atttactga cctgcaagaa cagggtccag aacatggctc tttatgccga	120
cgttagtggga aaacaatttc ctgtaaccgg cggccag	157

<210> 1279
 <211> 190
 <212> DNA
 <213> Mus musculus

<400> 1279
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 gccttgaga ttagcagagc ctctgtttga ggccttagag gtatgaggat catacggagc 180
 atgagaggcc 190

<210> 1280
 <211> 419
 <212> DNA
 <213> Mus musculus

<400> 1280
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 gcctcgtga cacttttgtt ctgagcttct 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
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<210> 1281
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 <223> n is a, c, g, or t

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 tgggtgagcat ctttgtgaat gtttacctga tgatgcaaat gacagctggc acttggggccc 180
 gatttgggat ctggatgctg attggatttg ctatctactt tggctatggg atccaacaca 240
 gtatgaaaga agttaagaat catcaaactc taccnnaaac aaggnccna actatagacc 300
 ttgatctcac aacttcctgt gttcacagca tttgacctaa ccatacctaa ttgttntctt 360
 gttctcctat acaataatgg agagtactct tgacccacg aagagctggn cctctcatgt 420
 ggtgttagtg acgga 435

<210> 1282
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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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 <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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 ttcccaggcc ccacccaagg aagggncctt ccccagacat gagctnnctt cantnctttg 180
 tggaaagcag ntcctntaca tttgacctga aggggactnt nggctaatac aggagaagcc 240
 agggatgcag agtaagagag cttcttgctt aggctatttn ttagatgaag aaggtatccc 300
 taanccacga tggntccttc atggcaggaa ccagagaggt 340

<210> 1283
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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

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

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 aagttgtgac ctggcaggag tggaaacctg caaatcactg gagtcccaga aggaacggct 180
 gctgttgaat ggggtgggaga 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 ggccttcctg agagatgtgc agcctcactt tgttggtcct 480
 gctgcacatc cggaaccctg ggttacaaag gtggtcacac cagatcctgt t 531

<210> 1284
 <211> 97
 <212> DNA
 <213> Mus musculus

<400> 1284

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gagaaactaa ctgtgaatga gtaataaagt tgtgtct 97

<210> 1285
<211> 489
<212> DNA
<213> Mus musculus

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

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

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acggacgggg cgtgatggta gtcggtaccg ggacctcctt ggcgctgtcc tccctcctgt 180
ccctgctgct cttcgttggc atgcagatct acagccgcc a gctggcctcc accgagtggc 240
tcaccattca ggggggcctg ctgggctccg gccttttctg 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

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ctgtgggacc cggagcgcag gccgcaccac ctctgcaggg actgggggga tgtggcgatt    240
ctacacggaa gattccccag ggctcaaagt gggccctgtc ccagtgtctg tgatgagtct    300
tctgttcata gctgctgtat ttatgctgca catttggggc aagtacacgc gatcatagat    360
tgggctacat ccatctgtca tctgaagaag aagaagaagg aaaaaaaccc aacatatctt    420
ggacccaaaag tgtagtgtatt ttctgttcac gtgtattatt t                        461

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<210> 1287
<211> 116
<212> DNA
<213> Mus musculus

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<400> 1287
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tggctctcaa ctgtgttggt gggaagagtt ctacagagct gctccggcac ctagcg      116

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<210> 1288
<211> 311
<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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<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

<400> 1288

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gagtctgctc atttttaagg acctcaaact tcggggcctt tggttggtccc agtggaagaa    120
gaaccacagt ccagatgagt tcaaggagct gattctcact ntntgcaacc tcatccgcca    180
aggccggctc acagcccat cctgttntga ggttccactg cagggtacc agcaggcttt    240
ggaagcctcc atgaancctt ttgtntnttc gaagcagatt ctcacatgt gattgctcca    300
gaggaccagg a                                                    311

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<210> 1289

<211> 520

<212> DNA

<213> Mus musculus

<400> 1289

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tcttcagcca agaggtctgt gtcctggaca tttcctccta tactctactt ttataaagtg    60
aggacgagta ttgagtccac actcaacatt aacagtgggc ttaataggag aagagacctg    120
aagtaatgtt tccttattgg gcattccttt gtcattggctt cttctgtgac atggaagctg    180
ggctaacctg atttgaactt ggctatcccc tgttttttca gggctataat cccagcagtt    240
gggaagggga gataggagaa ttagaagtaa taggcttgat gtacatgcct gtaattctag    300
cactggggag gttgaggcct gaagagctgg agttcaagga atgtctgtgc tattcaggga    360
gaccttattt cctttcttcc ccagatgcag ttgggttgatg ttttatgaga cagttctgtt    420
ctaggctgac aggttggtta ctgtctagca atgagtttagc cccgggaggt aggggaagggc    480
tgtcccatg tcataactga agcccaagat acctgaacat                    520

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<210> 1290

<211> 435

<212> DNA

<213> Mus musculus

<220>

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<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

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

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 ctttagatct gtgtgcctgg ttgacagatc cattgggtttc tcagtccagg acccaagaac 180
 gagctccacc aaagagcagg aacccttgga gtttgaaggc ccccgagagc tgggcctttt 240
 tactgttggg cagtctctta aacctcatga tactgagttg gtactttttt tgggtccctat 300
 ttcacaaggg ttaggnatag attaaccaag aaaggacaag tgacagactg aaaggggctg 360
 gaaaaacaaa gagggaaaagg cctgtcactt ctgtatagtt gatgggttcct gtcacaagcc 420
 caggtcacia acaga 435

<210> 1291
 <211> 391
 <212> DNA
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 <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

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 gaagagactg tggatatatt taaacctggt gggccaatga gaaaagaacc atgctgcgga 120
 gcgagatgga cacttgtctg aacctcatca ctaactccag cggctagaat gtgttttcat 180
 gcccggcctt ttgttcccc cgtccatgtg tccttttagtt tcaaacagat ctttatagtt 240
 tgtgtttcat aagccaattc ttattatgat tttgggggac tgttcttcaa agagcttgcc 300
 agtgaagatc tagagacaga gcgaaggctt cttcaagttc tganccttgg ctgtggacaa 360
 aacaatctta agttgggcag ctttcttcaa c 391

<210> 1292
 <211> 421

<212> DNA
 <213> Mus musculus

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 <222> (324)..(324)
 <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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 aagagaccta cacagtggcc cacgaggaga acgtccgatt tgtgtccgaa gcctggcagc 120
 aggtagagcg acaactggat ggcgggccctg ccgatgagag tggcccacgg cctgtgcagt 180
 atgtggagag cactcctgat ccccggtac 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 gaggtggcg caagagctgt tgggtggaagc catcacagca 300
 gggatcctga gtgacctggg ctctgggggc aatgtggatg cctgtgtgat cactgcaggg 360
 ggtgccaagc tgcagagagc attgagcacc cccaccgagc ctgtgcagag agctggccgt 420
 taccgatttg ctcttgaac cacacctgtc ctgaccggg aagtgagacc cctgaccctg 480
 gaac 484

<210> 1294
 <211> 509
 <212> DNA
 <213> Mus musculus

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 gcaactacct ggacatcact aagacgataa ccagcgcttc catgaaggag cacctgagag 180
 aaaagttcct gaagttctgg gctgtgacat tcgaggtgct gccacagtg actggtgacc 240
 aggacaccct cactccccct gaggatgact cagaggttgc ccctgacca ccttcagacg 300
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 ctcactgttc ttctaaaggt cctgtgttca attcccagca cctacatggc tgctcacaac 480
 tgtctgactc catctactgg tgtgcagat 509

<210> 1295
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 1295
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 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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 ggttaaacad tattctggta gacagcgag gtggttggtta gcaaggacca tactgtttga 180
 ttacttggtta atgttaaaca aaaatggttt tgaactgtt tttctgttca acagatctta 240
 gtcagtgttt ggaagccgca aagcactctc aaagtatttc tgagggaatt gatatgggtg 300
 gcaaaagaga acttacagct atgcattgct tgtagcagtt ccctttctca gaaacattat 360

ttttgttgct ctaaataaag cattgcctgt cttgtttgag attttacagc cataactctgc 420
tatg 424

<210> 1297
<211> 454
<212> DNA
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<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>
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<223> n is a, c, g, or t

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ttatggtcag aaactggttt ctctggcaca cgtgggcagt cagccacact tcagacctga 180
cagcggggga gggggggggg ncggtctggt tagttaggct tggatcatct gttatcacag 240
atgctcagt gaccaagact gtctcgctac tctctcccca ctctctgaaa ttttaatttn 300
tgtttagagg tgcatggttc aaatatncag cattctaaaa aaaaaaannt tgatttaaga 360
aaatgctgta tgatgttaga agacattgta attatcatcc cgntgtcttt gctgtactcg 420
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<210> 1298
<211> 528

<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

<220>
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 <222> (392)..(392)
 <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> (471)..(471)
 <223> n is a, c, g, or t

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 ctcccgttac tgcaggtctc ccacatccgc accagctgtt tgaaagctac agcccagcca 180
 gattncagct agttcaatag caggccacat ntcttcacta cataccattt aaaggcaacg 240
 gacttntatg tctactgncca gaccatttga ggacactaca agcaattttt gcacagtttt 300
 gaaaatacag agagttaaaa tttctcttaa tgtatactgt tttatcaata attatgtttt 360
 ctttacatta acttaaactt gtacttggtc tnattgaagt tttcctttta tttgcagttc 420
 attcaciaat atatctgttt tcctgntcaa ccagactata tttagaaatt natagagaga 480
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<210> 1299
 <211> 557
 <212> DNA
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 <223> n is a, c, g, or t

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<220>
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 cttcaaggac catnctgcta gatgccctac tccctgtggg tgaaaagtgg gcaaaggtct 180
 ctaaggggga aggctcgagc tggtagccac ttccttggtg ctaccnactt ggtgtacata 240
 gctttttctca gccgccgagg actgcctgag ccagccactt gtgagtggca gggagatgta 300
 ccatcagctc ctggccagct gagggtgcca aagacaggat tgtagaggaa aggcacaatg 360
 tatctggtgc ccacttgga tgcacagggc ccaagccaag cttctcaggg cctcctcagt 420
 gggttttctgg gcctttttca cttttgataa gcaatctttg tatcaattat atcacactaa 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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 aggtgaagat caccttcaag gtcaacaagg agattgtcag tggcctcaaa tgtctgcatc 180
 acacctatcg tcggggactg cgtgtggaca aggccatctt catgggtggga agctacggcc 240
 ccagagccca ggagtatgaa tttgtgactt cagtggagga agcaccaaga ggagcattgg 300
 cacgtggcct ctacgtggtc aggtccctct tctactgatga cgacaggctg aaccacctnt 360
 cctgggagnt ggcacctcca ntgtctgcca ggactggaag gactgaaccc cacttgggggt 420
 ctgtattccc aatttcttgt cagttgcaga gacctgcaag cattccctag acctcccagt 480
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<211> 391
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 <223> n is a, c, g, or t

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

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

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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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 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

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391

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

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

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 caggtgggaa ctgctgtggc agtgagctca gcccggacag aacttgccaa ccctgtctcc 180
 tggcattggg ctccggctct acctcccaa gcagggcgag gcccgcctt ctcagcctag 240
 caccacctgt ccccgagtct tctccagctt gccatcatt ctggcgccc acacaggtga 300
 cagtcccaag tagataacct ccatgggaca agttgggtgt tgccttacc gcctgcccag 360
 cccctctctc cacaggaaca caggtaccac ctgcaccac gacagcttct tttctcacac 420
 atggggagac tggagccgan ccccttgtnt cttttgaaat aggaagaaaa atgagtgttc 480
 aggaacatga ctctggact gggct 505

<210> 1303
 <211> 334
 <212> DNA
 <213> Mus musculus

<400> 1303
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 ctgaaaagag ccagggacct gaagaaagt atgaattcca gagctgattt gttcactctg 120
 acaaatccct cagactcaga ggtcaaagtt ctcatgcttg gaagttctca tagtgtgcaa 180
 actcctcagt agcccaaagg catcaggtgt gggggctcac tctggcaaag gagagagggc 240
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 aagctgataa ggcaggcaat gtgaggccag catt 334

<210> 1304
 <211> 274
 <212> DNA
 <213> Mus musculus

<400> 1304
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 caagcagcct gagctctcct gggagctctcc attaaaagcc tcgagttcca ctacagagatt 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>
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 <222> (162)..(162)
 <223> n is a, c, g, or t

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 caccagcctc atcaattatt aaccatgtgt gagctagaat agtcagggaa actggaaaaa 120
 aatggctgcc agctccactc cttttgtcct ctgctgaaga anggaaaaga cccggtgtgc 180
 ttccaccagc aggtcacatg gacttggcaa acctgcggag ctgggctgtt ctaagctacc 240
 caccctggga atgaatgaca gaactggttg agtgtgcttt caaggagacc ctggtccac 300
 ttcttggcac agacagaaac cagctcaagc ttgaagctct ggttttgact aagccagctt 360
 aaaagacctg cctgctgcc gaactcaaga agtagatcta cctcaagaca ttataaccagt 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

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tctcaacaag gacccaaagg aacgattggg ttgtcacctt caaactggat ttgctgacat 180
tcaaggacat ccattcttca gaaatgtgga ctgggacatg atggagcaaa agcaggtggt 240
tccacccttt aaaccaaaca tttctggaga atttggtttg gataatttcg attctcagtt 300
tactaatgaa ccagtccagc tcaactccaga tgatgatgac attgtgagga agattgatca 360
gtctgaatth gaaggthttg agtatatcaa cccctcttg atgtctgcag aagagtgtgt 420
ctgattctgc ttgccgcat tcaagtcatg gatatccacc cgtcagcctg ctcacagtta 480
gcattttatg ttgccctgc agaagtcgct ctcggtatcc tgttgagac taggaatcat 540
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<210> 1307
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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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<223> n is a, c, g, or t

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

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

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

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tgtgtatctc aagtgtaaga ttttgatatg tgataacaat gaccaaacad ctcgctgcaa 120

tcaaggctgt gtcccaagaa ggaaacggga tattccttcc tacaaatgga agactgactc 180

tgttatagga cccattcgcc tgaagaggga ccgaagtgca agtagagatt caggacttct 240

gcctcaaata catgaagcag aaatttcaaa ccagcccctc agtcgcctgt acctgttttc 300

cttcatgggt nttgngnnnn aannngntg attgtggcga taaccacagt gaagcatttc 360

ctaaatcggg ggatggatca cagataccag aagctgcagg tntactagnc tgtggacccc 420

aagaaaggcn tnttntnttn tncctgggtgc ctgatgaagc agntccctgt gcctacaagg 480
gttcagaata aaccaggaag gcctaaaaag caacatgtgt accatcatgt tcaaatacaca 540
tngacagtgt gtttcattac ggaatag 567

<210> 1308
<211> 531
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (63)..(81)
<223> n is a, c, g, or t

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<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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agnnnnnnnnn nnnnnnnnnn nggcccnaacc cttcatggag agcctgcctg agaacaagcc 120
cctgggtgtgg agtctggcag tgtcactgct ggccatcatt ggcttgctcc ttggttcctc 180
acctgacttc aacagccagt ttggccttgt ggacatccct gtagagtcca agctgggtcat 240
cggccaggctc ctggccctgg acttctgcct ggcaactcct gctgaccgtg tcctacagtt 300
ctttttgggg actccgaagc tgagagtgcc ttcctgagaa gatgggtgctg 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

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<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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cagatcatga gcctgggtca cagtccgacc gaagactggc tgctgctggg cctggccaat	180
ggccagcact gcctgttcaa cagcaggaag agggaccagg tgctcactgt ggacaccaag	240
gacaacacca tcttaggcct caagttctcc ccaaattggca agtggtgggc gagcgctcgg	300
atgggcaact tcacacaggt ccacagcatg cccaccggag caaaactgtt ccaggtcccc	360
gaggttggcc ctgtcagatg cttcgacatg actgagaacg gcaggctcat catcacagga	420
tccagggact gtgcctcggg gtaccacatc aagtactgac aacttcaant cccctcccct	480
aactgcacag tgggtggatg caatgggtgt gatgggtntg cagtgtttct agaggcttcc	540
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<210> 1310

<211> 589

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (270)..(270)

<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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<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 cgcacaaatt	180

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ggaggatgag aaatcggggc tgcagcgaga gattgaagag ctgcagaagc agaaggaacg      240
ccttgagctg gtgctggaag cccatcgccn catctgcaaa atcccagaag gagacaagaa      300
ggaccaggtt ggttctggca gcaccagcgg ngctagcagc ccaccagccc ccggccgccc      360
agtgcccttg atctcccttt ctccaggacc cgtacttgaa ccggaagcac tgcatacccc      420
cacgctcatg accacaccct ctctgactcc ttttactccg agtctggttt tcacctatcc      480
tagcacacca gaaccttgct cctccnctca ccgaaagagt agcagcagca gtggcgaccc      540
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<210> 1311
<211> 499
<212> DNA
<213> Mus musculus

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

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

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

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agtggccaca agaggtctnt gtgccattgc ccaggcagag tctctacgct acaaactcct      120
tgaggaggctt gcggttcgaa gggcctgcta tgggtgtgctt cggttcatta tggagagtgg      180
ggccaagggc tgcgaggttg tgggtgtctgg gaagctccga ggacagaggg ccaagtccat      240
gaagtttgtg gatggtctga tgattcacag tggagaccct gttaactact atgtcgacac      300
agcngtgcgc catgtgctcc tcagacaggg tgtgctgggc atcaaagtga agatcatgct      360
gccctgggac ccaagtggta agattgggtcc caagaagcct ctgcctgata atgtgagcat      420
cgtggaacct aaagatgaaa tctgcccac gacccccatc tccgaacaga aggggtgggaa      480
gccagagcca ccagccatg                                     499

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<210> 1312

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<211> 214
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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

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

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 cacggaggat gagngtggag cgagtgatca ccatcatgca gaaccacga cagtacaaga 120
 tcccagactg gttcctgaac agacagaagg atgtgaagga tgggaagtac agccaggtn 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>
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 <222> (338)..(338)
 <223> n is a, c, g, or t

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 cccacctaca tttaggcatt tgtccggtgt cttcccacac ccgcatggga ccttggaggt 180
 gagggcctct gtggcgactc tgtggaggcc ccaggaccct ctgggtccccg ccaagacttt 240
 tgccttcagc tctactcccc acatgggggg gcgggggctcc tggctacctg tnnnctcgct 300

cgctcccatg gagtcaccta agccagcaca agggcccntc tcctcgaaag gctcaggccc 360
catccctctt gtgtattatt tattgctctc ctcagga 397

<210> 1314
<211> 532
<212> DNA
<213> Mus musculus

<400> 1314
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atagagaaaa aaaaaaagggt gtgccttggtg 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
gggtgcttaaa ggacactttc agaagaagct gaaggccttg aggtctgccc acccagctga 360
tctcgagatc ctggccccag tccatgtgta gctctaagaa catgaagtag ctggttgcaa 420
gatggaccaa ctcaccaagt gtcagcccag gtagtgagaa acttgcagta gacatggagc 480
tgggctcttt taaatttggt 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
ccagtctctg tcctcactca gggtgccagc tctgccttga attttgtaaa caccagcaca 240
tacctccttg tgctctgtc tataccgagc tgctactgca ggggaatgac tctcactcac 300
accctccctg catggagctc cagcgagtgg actca 335

<210> 1316
<211> 559
<212> DNA
<213> Mus musculus

<400> 1316
agcacctagg gtacaggtcc aggctggaga gggaggtctc gtgtacgtct gtctccagcg 60

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tcacactacc cctccattcc actttcctat ccagtcctac tctaggcttc ccctctgcct 120
aaccactgtt gggctatttg gcagagtcag tttctgtacc ctttcagtgc aactgagaaa 180
gcaaggccct caggggaactg gaggaggagc cagcctgata 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 ttatactgg cctaggggac aggaaggggt gattgtagtt ggtaactagg 480
ggtcatttta gctctgtgag agaatcagtg ttttgtgagg gtgtggggga agggttgcat 540
ctagtggagg ctgatactc 559

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<210> 1317
<211> 402
<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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<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> (283)..(283)
 <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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 taccaacttt ccccctttgt ctctacatca agtgtgtctg tggctgttgt tccgttggtg 180
 tctgtccacc tgccctttct tccactcta cgcgctgaca ctccacacac tgtcctcacc 240
 cntgtctcta agnccngcc 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 acatcccaa gtggggcagg cagtagtgac acaagtcaca ccagcaaata 60
 ctttggaagc attgactctt cagagaataa tcacaaagca aaaatgatcc cagacacgga 120
 ggaaagcgag cagttcatta agtacgtctt gcaggacccc atctggctgc tgatggccaa 180
 cacagacgac agcatcatga tgacatacca gctgccctcc cgggatctcc aggcggtggt 240
 gaaggaggac caggagaagc tgaagctgct gcagagggtcc 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 cccagccag 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 ttactgggg 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 ggcattcttg ga                               502

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<210> 1320

<211> 501

<212> DNA

<213> Mus musculus

<400> 1320

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tcaggacctg agctgtttgt agccttttgc ctttttagaga agaaaaacaa aaaacaaatc      60
tttcactat ttagtttttg attctgatga cttttttctc ttctacctgg ccctgatttt      120
ttataaactg tgttttgagt gttctctgga tcagggccag gggagggtcga cccctttctc      180
caaaatccca cccagcccc atggttgcca aacactacgt ctgccaatat ctgcctgccc      240
accttggtctg tgacaacgat gtccttaca tgttcctgga ttggttgtaa gaaggaggaa      300
agttaaggag ggtctcctaa tttttcatga ttttttttct tccccagaat ttgttagctt      360
tttgtgtgtg ggggtggggga ggggaggggt gtcctgtttt tgataaatta ggggaagcta      420
tgggcttagg caagggaaag aggctggctg acccaggtgg tgaccagac tacactctaa      480
caccatgttt ttgtacagaa t                               501

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<210> 1321

<211> 506

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature
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<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
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<222> (273)..(274)
<223> n is a, c, g, or t

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<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

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

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<222> (342)..(342)
<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> (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
<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> (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 gggtcagcnt	180
cgcagacaag aagcgcagaa caggctgcat tggggccaaa cacagaatca gcaaggagga	240
ggccatgcgc tggttccagc agaaggtaaa gcnnattgtc ccacgtgagc tgggtgctctg	300
tgggtgctggg gactggtgtt gggatgnnag ntngcaggt anantgctgt ttggtgnnta	360
gctnntataa agntggaata tntgggcatt ttggtaaata cctcctaggg ttggtntttg	420
aaaaggctctt gagtgtaggt atctggagtc agaattctca gacgttagtc tttgttgcag	480
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<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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 caggctctgg tggctgagtg tacctctgcc tcccatgctg ccctcccttg gtgatgcagt 180
 atccaagcat gccagcggnt ccacagtcatt ttgctctgca ccagtctgcc tcccacagtc 240
 cacatagcct cctgctggaa actcccagct gcaaaccatc cttatgtggc tcagntcttc 300
 cttcctcggc ctttctggct tcacccattt gctccagacc cntnttcagc cttttcatcc 360
 tgnttccttg actctcgtcc cccaantcc aagatggctg cccaccacca ttgtggtctc 420
 ggggaccaac cgtattttcca 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
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 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 catgggtcaa gatccttggt 300
 gccactatgg agaggagct ggaaggccaa ggtggggcta aggaaccagc ccctctggga 360

aaggctcgac cgaaccactc caagtccatg ggtacaactc agttacctgg tgacaccctt 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 ttaagctggt actatgatga 300
aaacgttaga gactgggtgtc ttgtcatctc tgtctgccgc tgctgcctcc acaaaccag 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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cctgggttcga gatgcgaagc aaagactcag tgctgcccag gttctgcagc atccatgggt 120
acaagggcaa gctccagaaa ggggactccc caccgccgaa 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 cgggtgcccc tgaaaacctg taagggtcaaa gtgtgaagta 480
ggcagagggga cctgccctgc agcccctgca ggcctttacc atccacaaag gctcccgggt 540
tcccacccat ccccatttc 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 ctccattggc 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 gtccccctc tgcagtcaga gcaccttctc ccaagaccgc 420
cagtcggttt 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 gcccaggaa agactgtggt taatgtagtt taaatacata tatgggcaag 120
ctggcggcctt gctgctctct cctcgccaag tgcctcggac ccagacatct agccttcacc 180
acacattctc ccgagtcaga ttttaagttt cactatccat gtataaacct actcctggac 240
tggtgagagc tcacaggtaa aagttgccgt ggctgcctga gttcagttcc tggagcccac 300
tcgagggaga actgattcca gtacatngtt ctctctcccc ctccccact atgcacacac 360
ctctacagag ataaagaaat gcataatgct tgtgtgggca catgcgcaa gggcacgaga 420
ggacatcaca gggaaccttc gggagccagt gctagccttt acccacggag tcac 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 ttttaagcccg 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 catgctgac 60
aaactggctt cccctgtgac cctcaatgcc agagtggcct ctgtacctct gccag 116

<210> 1330
<211> 362
<212> DNA
<213> Mus musculus

<400> 1330
gggcaacacc ctcagcaatg gtgtgaacaa cccagacctg ctccagtgtg ttgatgcccc 60

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agtgctgcct caggctgact gtgaggcctc ctaccctggg gacatcacca acaacatgat   120
ctgtgtttggc ttcctggagg gaggcaaaga ttcctgccag ggtgactctg gtggccctgt   180
ggtctgcaat ggagagctgc agggcattgt ctcctggggc tatggctgtg cccagccaga   240
tgctcctggg gtatacacca aggtctgcaa ctacgtggac tggattcaga acacaattgc   300
tgacaactag agaaccctag tctctcttca atcagtatta tcaataaagt tcatttgtca   360
tc                                                                    362

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<210> 1331
<211> 350
<212> DNA
<213> Mus musculus

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<400> 1331
actagactgc catacctgtg tgaaggcgac atgtacaatg actactatgt tctggacgat   60
gctgtctttg ttctcagacc agtataaaca cgtggaggcc caagtcctca gagtcacccc   120
tgcaaccgac cctccagaag aggagatgca tccagtgatg tgaggggggac ctctgggggac   180
tgtcattctc agtatcatgt aggaatttaa aaagccaaaa tactaattct ttctttgtag   240
tgtgtaaggg agtgttttta aaaacaaaac ccaactcttt gtgtatTTTT aatcaactct   300
ttactcagaa tcacgctcca atgcagggtca ctctccaatt atgatggaag           350

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<210> 1332
<211> 393
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<400> 1332
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gcttttctgt actaaactaa cttgaacgtg acctagaaac caagagatac tgcttcatgt   120
gtgggtcttta ttgggccaca ggaggggtcaa tcttgtgggt ctgtgctgta atctgcctta   180
cttgcaccca ccaggataag gacataaacg gtgctcaact tttctgccac cagactgtta   240
actttgctaa atggctcaag aacagtcagt tagccctgct ntcttgacta tgttgTTTT   300
aatcactgtg acctctgaat tttcaagtat aggccaaatg agccaagtaa cttggctgtg   360
aaatggcaga aggaaccttc tctcaagcag gta                               393

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<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 attatatatga gccttacttg gaacaagcca gtcgtatctg 180
 gccatggctt cttggggcag cactgggtggg agctgttatt gctgcagctc tctctgggct 240
 tagcagtagg ctatgccttc agaagaagaa gaagaagaag caaccccagg aggaaaggca 300
 gccactcctc atggacaaag acgactacca cagcttgctg tatcagagcc atctgtgaac 360
 atcctaggaa acagagtggg actgaaaggt ttacctcac 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 cggttgctgc tgctcccggg tacttactct	180
gtcactgcca aggcaccagg gtacgacccc aaaacagtga ctgtgacggg gggncctgcg	240
ggaccaacag tggttgactt ccaactcaag cgaagctcat ctcaggtgta ccctgtgcag	300
agagctcccg gccgagggca gggaggcagg gcaaagcagc cccggacatc cagaaagaaa	360
gaccagcaa cgaaacggca taggggtcct gcatgaagcc agcaccagg accacacaca	420
gcgagnccat ccctgctctc aaacccttg 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
tgacctgacct 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

<220>
 <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

<400> 1337
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 cataatgaat ggaattcaat tccacacatg gtttgttcaa gcacacttaa taagtagtct 120
 actttttaat ntcttttttt 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 ctgagagggtt tggaaaggag 420
 aagtgagtga ggctcagtat aaaaggctac gggggaagaa tcaggtagaa atgagacgta 480
 gcagtgcagt cagaaagtgg aacttggttag gcatcagcct ggcatcatca ttagagcagt 540
 gagcacta 548

<210> 1338
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 1338
 gactctataa aatggctgtt ggctttatgt tggctcatcc ttatggtttc acacgggtga 60
 tgtcaagtta ctattggcca agaaatttcc agaatggaaa agatgtcaat gactgggttg 120
 gaccaccaa taacaatgga aaaaccaaag aagtgagcat taaccagac agcacttgtg 180

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gcaatgactg gatctgtgaa catcgatggc gtcaaataag gaacatgggt gccttcagaa 240
atgtcgtcaa tggtcagcct ttgcaaact ggtgggataa tgacagcaac caggtagctt 300
ttggcagagg aaacaaagga ttcattgtct ttaacaatga tgactgggct ttgtcagaaa 360
ctttacagac tgggtcttct gctggcacat actgtgatgt cttttctgga gataaagtcg 420
atggcaattg cactggaata aaagtctatg ttggcaatga tggcaaagct cacttttcta 480
ttagtaactc tgccgaagac ccatttattg caatccatgc agagtcaaaa atat 534

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<210> 1339
<211> 303
<212> DNA
<213> Mus musculus

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<400> 1339
tacgatgcct ttttggcctc tgagtctctg attaagcaga tcccacgtat cctgggccc 60
ggcctaaaca aggttggaac gttcccctcc ctgctgacac acaatgaaaa catggtggcc 120
aaagtggatg aggtgaaatc gacaatcaag ttccagatga agaaggtgct gtgtttggcc 180
gtcgtgtttg gccacgtgaa gatgaccgat gatgagctag tctacaacat tcattctggct 240
gtcaatttct tgggtgtcctt gcttaagaaa aactggcaaa acgtgcgggc tctgtacatc 300
aag 303

```

```

<210> 1340
<211> 154
<212> DNA
<213> Mus musculus

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<400> 1340
tcccatgaca ccctaagcaa ttatggggac taagtagggt gggttgggga cagcatggcc 60
tctgtgattc tgtgggcagt gccacttgc tatattgata agcagttcat attgattatt 120
ggctattcta tactgttaac atgaccctag ttgc 154

```

```

<210> 1341
<211> 418
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

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

<400> 1341
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 actcttcagg ggcnacccct gctgcaggtg tactgctaac ccctactggc ccagcagtca 180
 cggcctctcc tggaagaagc atagccagcg gaggagagga accaggacct ctgtgtgggg 240
 ccgcctctga gccagaagc agtgacctct ctggcttctg cttttgttga atccccttag 300
 accacataca ttacacaggg ccatggtgcc cataccccct 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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 gagggctcca tcctatcccc acctgctgga gaaggccaga gcttttgcca cccacactga 180
 ctccagactt ttaaaagggtg cctctggcca ctcttaccba caggcctaca gtagcctgtc 240
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<210> 1343
 <211> 465
 <212> DNA
 <213> Mus musculus

<220>
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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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 <222> (373)..(373)

<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> (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 ttggggggac tgaccctccc cagggaggtc 240

ttacaagtag tgtgaccagt cttttgtttg tttgtttggt tggttgtttt ttggagacag 300

ggttttctctg 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 agctcgctg cagcaagttg ttctaccctt 120

ggtcactgtg aatcagtgtc ggcagtactg ggggtgcacgc attaccgatg ccatgatatg 180

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tgcaggtggc tcaggcgctt cctcatgtca ggggtgactca ggaggccctc ttgtctgcc 240
gaagggaaac acctgggtgc ttattgggat tgtctcctgg ggcactaaga actgcaacat 300
acaagcaccg gccatgtaca ctcggttcag caagttcagt ancnnnngga tcaaccaagt 360
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<210> 1345
<211> 497
<212> DNA
<213> Mus musculus

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

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

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<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

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<210> 1346
<211> 457
<212> DNA
<213> Mus musculus

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<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

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<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
 ntaccctgtg ttcctaccgg caaccatcac acctgctgct ccattaccat aggtgtggcc 360
 tccttcccat tttgctgacc ttgctttact gtgggaaagg aggggtggaa tctcgcaggc 420
 tcagccccgc aggcttatga ctgctgctgt aggtca 457

<210> 1347
 <211> 252
 <212> DNA
 <213> Mus musculus

<400> 1347
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 cctagggttt gttccacctg tttttgagac aagctcttct catggagctc tgatcgacct 120
 ccagctccag ttttctgcc 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 tagctacccc taccctaac tggtagagagg ctgagtttgg gctgaattat 240
 atgcccttag gaatacagtc caggcaggct gtggggcctc tggggggcca gggaccaccc 300
 gctaccctc attcctctca ttccttcagc ctgtacctgc ccctccttga attattgtct 360

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ctctctctct ctcttttttt ttaagtggat gccttacttt ttggataact atttttgaag 420
ctgggtatttc tatttctttt ggatttttta atgtatggcg gtttgggggc agagctagaa 480
ccttaataat ctgtcactga gt 502

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<210> 1349
<211> 568
<212> DNA
<213> Mus musculus

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<220>
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<222> (38)..(38)
<223> n is a, c, g, or t

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

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

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

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tgtggtccgg gaccccgcg ntggcgacgc ggggcgcgct tncactgagc ccggggcgag 120
cgatgccgct tggcctggcc aaccccgtcg agcgccgcgc cggggaccca gcccgctct 180
gagcagcgcc ggctgcgcgc cggctgcgga gaacccaca gcaggaccct gagtcagctt 240

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ctctttccaac agccaacttc tgctgctgca gtgtcccctg actgnncnng cnnctgtacc 300
acctctcagc agggagtgca ggaatgaagg aaggcatgtc taataacagc accaccagca 360
tctcccaggc caggaaagcc gtggagcagc tgaagatgga agcctgcatg gacaggggtga 420
aggtctccca ggctgcctca gacctcctgg cctactgtga agcccacgtg cgggaggacc 480
ccctcatcat cccagtgcct gcctcagaaa accccttccg ggagaagaag ttctttctgca 540
ccatcctcta acacccatgg cgatgaag 568

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<210> 1350
<211> 498
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

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<400> 1350
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cggcctcgtc tgggcagggg cagccgtttg tgcttcctgt ggggtgtcagc tcgaggaacg 120
aggattaccc ccgcacttgc cgcctatgtt tctatggcac aggcctcatc gctggccacg 180
gctttaccag ccttgagcgc acccccggag tcttcgtcct gtttgatgag gaccgctttg 240
gattttctgtg gctggaattg aagtccttca gcttgtacag ccgagtccag gccaccttcc 300
agaacgccgc cgcgccgtcg ccgcaggcct tngacgagat gctcaggaac atccantctc 360

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tcacctcctg acctccgcat cgtgggcgga gaggtctgcac cggggcccgg gtgggggaag 420
catgcacttt agaaatgaac gcacacctcc tctctgggnt cccgntcgcc ccngggacgc 480
ttcttgtata gtgtgtaa 498

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<210> 1351
<211> 276
<212> DNA
<213> Mus musculus

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<220>
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<222> (47)..(47)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

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<400> 1351
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accctgagcc cagctctgga atcaaaactg cactgtcaag aaggaaacca cagaactctc 120
tacaacgttt gatccttggt ttgttcgtga aggttcctag ccttggtccc caaactggcc 180
cacngggctc ctgcactaaa ggtgaccagt accnacctcc tccttctttt ctcagcacct 240
gtggaggaag tacggtggcc tgggtgaccc cagtat 276

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<210> 1352
<211> 439
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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

<220>
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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 tatgggtcaat attttagctt ttattgtaaa 300
 ncccctatgg ttctnatnag cgttatccgg gttctgatnt cagaatcttg ggaacctgaa 360
 cactaagttt taggccnaaa tatgagtga 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>
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 <222> (67)..(67)

<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

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<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> (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>

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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

<220>

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<222> (440)..(440)

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

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<222> (444)..(444)

<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> (512)..(512)
 <223> n is a, c, g, or t

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 anttttncgg aacataaagt cctaagtcca ggcaagtcta aaatacattg gtggggacat 120
 cagaaaggtg ggtacggcaa gctggggagg actttcctat aaggtctgag aggttgagag 180
 ctttgggttg gtagaagcta tgttctgaca aaggtagtca ggaaatggct gtgtgaagct 240
 acagctagcc caagatctgc tgattttggc ctctgggcn atctccggag gcctggtttc 300
 tttctaggac tttttgctca tggtagagag ctggctctcc atcccattag aantntccnc 360
 acctntnccc ttctcctgc atgtccaggg tcaagagact ccctgntcct ggtgggatct 420
 agactactcc tttctgagan tcantcttcc tgctttcanc cataaggaaa tgctgacca 480
 acccttagac aaggcacaca gagatgcttc tntcctggct tctgggtgag gtgtttactg 540
 ct 542

<210> 1354
 <211> 415
 <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> (387)..(387)
 <223> n is a, c, g, or t

<400> 1354
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 gtgttcgccc acccgtcctg gagggccaag tagttcctgt tgccagtac tgccaggcct 120
 cagccaggcc tgtgacccat tccaggccaa cacggctcta atgtgagcat ttatgactca 180
 ctttctacct gacaccagggt agaacatgaa gtctctatta cccaacactg ggtacactcg 240
 gaggaacctc aggccttgtg acttgaagag gagtcgagaa gatgccattt acaccacccc 300
 tgcttccaga agaatccaca tttcatctt ggggtttgtc ccaactgccag gttgtttaag 360
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<210> 1355
 <211> 447
 <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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 <222> (331)..(331)
 <223> n is a, c, g, or t

<220>
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 <222> (355)..(355)
 <223> n is a, c, g, or t

<400> 1355
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 cctggccttag gaatgtttgt gactgttaca acttacaatg atgaggtatt attatccaag 120
 ttatatggtg cacaaggaac attctatctt acttctcatt catctggtga acacatcatt 180
 tgcttagaat ctaattctac acagtttgtg tcatttggag gaagtaagct gcgcatccac 240
 ttagatatcc 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 tgcttggtga cagccttcct ttagcttgac 120
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<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 ttgctgttc tctcttgac tggaatgttt ggcaaggccc 180

atgtaaactg gttagagcag gccctttata tctcctgtga ccgttaatct cccccaccat 240

aatttgatga gggctgtttg gtttgaggac ttcaaggatn tctagagaag ttcccccatg 300

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<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>

<221> misc_feature

<222> (264)..(264)

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

<400> 1358

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tttttttttt tccacaaaac ttgaagaggg taggcacaca gcggcgctg ccatccctaa 120

gtccccgagg aggctccgtg ctgagaaact gttgagtgtg cagattttat ttatgcataa 180

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tttaatggga tctgtaaata cttcttatga ctttttgaga aatgggattc gattttaaaa 240
ttacctttta atggtgntgg gtcntgtagc ccctctagct tttatgagag tgcacacagg 300
gtatt 305

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<210> 1359
<211> 554
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (184)..(186)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

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<400> 1359
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ttccagcaag acgatggaga aaatggaaaa gcacaggaag taaaatggct gcanggaggc 120
cagagagcag aaggagagga cccaggcccc tccactgggg cagcccggga agtgtccaga 180
gcannngcag cagcagcagc agcagggaag cagttacaac ccgcccggcc acaccgcaca 240
ctctggacct gccctcttgg agtctttgtg acttttccat ttaaccctgg acatgctatc 300
cngaagccac ttggtttggt tcttttatcc attaaacatg tgtgtttttt nttttttttt 360
taaatccgtt ccctctcttg aaaggtgcta cgagttttag aaccctttgt aagaactccc 420
tgggcagaca agaaactcca cgcttagctg ctaacacagc aggtgcatgg gagtcgtcag 480
ataaagggat cgatcaatca taacttattt ctttttcagt gttaagataa tagctggcctt 540
ttatgtccac taaa 554

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<210> 1360
<211> 449

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<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

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agccactcac tgctggactc tgccggcttg tggccaggaa ccgaaagcca attgaaaagg 120
tgttggatgt agactttgcg ataaaggccc gcacgatccg ccagctggat gagcgctaca 180
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ccaaggtaga tgccatccac acccctgttc tctgcctcaa tgcagcagat gacccttct 300
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<211> 391
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tgggccccac gtgattctcc tttctccctc tttgagtggg gcaggcaaag gaggtgcctg 300
agattgtaac ctattcttaa cacccttggg cctgcaatgc tgggtgcgcca tattttctca 360
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<211> 306
<212> DNA
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tgggctgggg caagatggaa aatggtgact tcccagatac cattcagtgt gctgatgtcc 180
atctggtgcc ccgggagcag tgtgagcgtg cctaccctgg caagatcacc cagagcatgg 240
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<210> 1363
<211> 361
<212> DNA
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 cttgtcagac actgcctacc ctctccctga atgagcactg gctgaggant gtggcctttt 420
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 atatactcac acctccagag agggatagac tcttatctcc tctcctgtac ccttgtctgc 240
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 tattgcaatg gcttagatgt agtttgtctc ctgaaagctc acacacgna aggcttggtc 360
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 ctcacaacac gtggaaggca atggaaggaa tcttcatcaa gcctggagca gatctctcca 180
 cgggtcacga tgaactctga gaaccagatg agtgatggga ggggtggctga gtggcaatct 240
 cggggtcact cttgtgtaan gactttgttt gtaggggncc ctcaagtgcc tttatgatta 300
 aagaatgttg gtctgggatt atttttgctg taaccctggg gaagatctga aggtgccagc 360
 catatntgtc caagttacca tntcacctgt ntcaagcacc tgctgaaatt tttttttttt 420
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<210> 1367
 <211> 493
 <212> DNA
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 cctggaatat ctcagcatca gaagctgagg atcaggagtt caaggccagc ctgggctaaa 180
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 taggggtgtga ctcagatgtg tataatccca gatggttgca cctgagaggt ccagagagat 420
 ctcacctggt tgcaaagaca cctaaccttg gtccactgta ggtgcttcac ctactcctcg 480
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 <223> n is a, c, g, or t

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 cagaaatttc tggaactcca ggactcagac actgcctgtc ccattctact tactcaccga 240
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tccccacccc cactgtgttt tgttttgttt tgttttnnaac ttaggccag atgcttctgg 360
gctacaccag ttcctgtttc gatgtgagtt ttgaaatgct ccgtgaaggg ctgagggacg 420
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<210> 1369
<211> 429
<212> DNA
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<400> 1369
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agctgctgtg atggctaccc ttctgtttcc aggacaggag tttaaaatta cacatcaaga 180
gatgatcaaa ggaataagga aatgtacctc aggaggctat tacagatacg atgatatggt 240
agtggtacct attattgaga acactcctga agagaaggat ctcaaagaaa ggatgggtca 300
tgccatgaac gagtaccag actcctgtgc ggttcttgtc cggcgtcacg ggggtgtacgt 360
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<223> n is a, c, g, or t

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gtataaggggt aacagattgt aaagttgact gtctgggtgga ctggaccttg cttatgacca 180

agaagtcggg ataggttaaa aggtagaagt gcacttattg atccaaatgg gagatttcag 240

agccagtctc tttgcaaagg actagcaaag ctaaataaaa aagaagnatt ttttttttct 300

atttggtttc cccnataatc antctacctc acancgggga aaaatcagta tacnagaggt 360

atnangccna ggtgttgncn ntgnacncca aancaagctc cataggtatn tccaagctat 420

nttcagaaat ntccgtgnct gttttcagta ttaaaatctg ttntctaaaa gggcancagt 480

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<210> 1371

<211> 511

<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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attgtcatgg atggctgtga atatgaanct ggacaactac cgcactactt tccaccacagc 120

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ttgtatcaga ggcnacgggg gctctccagc cntgatctac ttccactgca gtgccttgat 240

ctgtaaccaa gtctctcttg actccctctt 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

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<211> 467

<212> DNA

<213> Mus musculus

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acattccac 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 cagggtgaaga ctgaaggacc agagtcacaa atttaagtgt	420
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<210> 1373

<211> 468

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (296)..(296)

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

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aacaaccag acattggctc cacaagcaca gattcccaga aaagatggaa gacatgagag	180
cctgacgctt ggcaccaga tacatggtga ctaggattcc cttagcacia atgcttagcc	240
aagaacaatg agatggcaaa gaagaaaggt gggggccaag ttttcccagg atctancaga	300

ctgaaggcta ggaagaatgt cataggagaa tgagaccagt gtctacaatc acaggcaact 360
 gtgagctgag cactggtggc agccatgctt tctctcgta gactttccct tttcccatg 420
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<210> 1374
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 <212> DNA
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 ggggggtgggg ggggggaatgt ccctncctgc tctgggccag cactcttagc tttgataact 180
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<210> 1375
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 <212> DNA
 <213> Mus musculus

<400> 1375
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 ttctgcatt 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
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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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ggcacttggt ctttaaggtg agggTcttat gaccgactgt tctgagacag ccctgtgtca 420
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caaagagatt gaggaaaaga gcaatggact cctggaggga gttaagagca ttctcatcca 240
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gaagtcagag actgaagata ttgcctctt tgcataattat aacatgatcc gctgtgaggg 360
cagagacact cagaaggttg aaactgctct caagatgggtg aaatgcaaaa tttcaaata 420
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caccttgaag ggcctgatgt atgccctcaa gcacttgaaa acatcccact ttcccaaac 420
tgtcaccac agtctgagga agaccatgag gttcctgcac agcttcacaa tgtacagact 480
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 gacaagggtga cctacggctc ttttgactac acttcgctgc ttacctatc ggattactta 180
 gaggacttcg gtggagggcg ctttgtgttc atggaagaag ggtccaacaa gacagtggag 240
 cccagagctg gtcgagtctc attctttacc tcaggctctg agaacctgca ccgagtggag 300
 aaagtcctct ggggcacccg ctacgccatc accatcgctt tcacctgcaa cccggaccac 360
 ggcacgagg acccagtact cacgtgacca gctaggtcag gtcctgagta ccatgtcctg 420
 tcagagaagg cactcctagg ccgggtggag ggtgtgttca tctntccac ttcaggccat 480
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 <212> DNA
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 tggcaatcct cctgcttcat gtgtaacctg ggctggccgc agattcatgg caatcctgct 180
 ttcag 185

<210> 1381
 <211> 410
 <212> DNA
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<400> 1381
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 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

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tgccacgtgg tcctgggggc cttcctctgt ggcaagtcag acgtgcctgt ctatgatggc 180

tcctgggtag agtggtacat gcgtgccag ccagagcata tcattcttga gggccgaggg 240

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 <212> DNA
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 ttctgaaaa aaagaagtca tggtaatcaa ggaaatctgt ttttcctagt tttttttttt 180
 tnnnnaacat agtgtccctg ttgccttaaa tgtaaaaacc tattttgaga aacaacccca 240
 gtctaaaagt tatagcaata aaagaaccn aatctatttt tgtttcaagt ctttacctca 300
 tgacaaagtc agaaggataa ttggttaagtt ttgctctggg tactactgca aaccgatgta 360
 tcctttctgt ntcctcaatg gagtattatt tacagacctg aaggaagggtg ggcttaaccc 420
 caaggctaag tgtaaatgtt tcttgaattg attctttctg tggtaacaagt taacacctgt 480
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 ccgaagagct ggcncaggcg ctccgcangc acgcgcctga cttccagatc acctactgcg 180
 tggatcccct ccgacaggcc atagcggaga gctggcccat gattctagat gacagcaatg 240
 ctcggaagga ctggggctgg aagcatgact ttgatcttcc agagttggtg gctacgatgc 300
 tcaacttcca cggcgtcagc accagagttg cccaagtga ctaaagaaga ggagcggccc 360
 ctgtntcctc aaagtgcagg gcgcacggca gtntntaagt tggagagcca gactgaattn 420
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 <212> DNA
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<222> (386)..(386)
 <223> n is a, c, g, or t

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 cagattgcag gctggggcca catggatgaa aatgtgagca gctactccaa ctccctgctg 180
 gaggcactgg tccctcttgt tgctgaccac aagtgtagca gccagaggt atatggtgct 240
 gacatcagcc ctaacatgct ctgtgccggc tacttcgact gcaagtcga tgcctgccag 300
 ggggactcag gtgggccctt ggtctgtgag aagaatggtg tggcttacct gtatggcatc 360
 atcagctggg gtgatggctg tgggcngcct caacaagcca ggantntaca cccgtgtggc 420
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 tcagctgctg taggtgctac aggaaacagc gtcccatcag ctcttgccct gtcttcccaa 180
 aggcaaaggc agcattacat atttgaattt atcttctaaa taccacagc gcatttttgt 240
 tatatgcagt ttcccaaact tcttagcaga cctccaaagc anccccagcc tcttctgcat 300
 aatgtgtgta tctnccccac cagtgtgttn tctccatttn tcttggggcc tggggataga 360
 gttaggtggg acaggagatc ctcaantctt ctgggggtag gccagggcga tcccttggga 420
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<210> 1387
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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

<400> 1387

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tgttaacaga actagcttca ctgattttaga aaaatagagg tgcanaatgc tctggccgct	180
ccttgaaccc gtgtgtctgc caatgttttg accgttcctt gaacccatgt gtgtgcccac	240
tgnnnaagnc cantgccagg tgtttgtgat attggttgct ggggaagagt cngaaaaatc	300
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<210> 1388

<211> 549

<212> DNA

<213> Mus musculus

<220>

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

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tgaaactgtc gatggaggtg tgattctgga gagcgacccc cagcaagtga tccagaaagt	180
gaatttttagg actgatgaca gtggcctaac agaacagagt gtggcccann ggttcttcag	240
tcagccaagg aacagattaa atggtcgcta ttgaaatgaa gaccttgga tcaaggctcc	300
ttccccagag aacttttgcc agtccccgcg taagcccaa gatctcaaga cgcaagagag	360
accactctgc cttctcaggc ctctctcaga actgatccct gaggtctcct gccagggatt	420
ctgagacgca aaagcttgac cccagctccc tcaccctac tcagcatcct aacctggcct	480
tggggccatg ggaaccagca aagttgcctc ccctcggacc tctgacatcc tcagtcctag	540
gccttaata	549

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<211> 415
<212> DNA
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 <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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 tgcacagttc ttagtgtcnt gggaatgccc cctgtagctg gagttagtct ggttttgctg 120
 ctttagcaag ggaacctncg gaggacggct gcaggtnctc ccancntnnn ctggggctgg 180
 gagcaggagg ggacacatgc ttgtntntgc tgggagtggt ttatgatggt ncctntgagc 240
 atgtgtgtgc ctgatggtga tnatgtgtgt ttcagagcaa ggggtgtgtgc acagggtgaga 300
 acgcagggaa gaggtgtgtg agcgactgcg ttngttatct ttccaacctt aagcttaata 360
 tattcctgtt ttttttttnc ctccagttaa ttctttacct agtcagttct ttact 415

<210> 1390
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 1390
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 ttgatatgta tataagcaaa gaccagggat aaatggaatt tttaaaatac aggctgctgt 180
 gttggggcca gaaatacaag gttgatgagt aagctatctg aagactttta taatgcctac 240
 cttcaaaacc agaatcggca gcactctaca aatgaaagtg cctgtgtctc acaccaagaa 300
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<210> 1391

<211> 326
 <212> DNA
 <213> Mus musculus

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

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 tttgcttgtc ttccagttta ggtcaatctg tttcttcctt taagcagttt atttaaaagg 180
 ccattgcacc atcttgggtga acagcatgag gggtttcaat aaaaaatagg atcttacctt 240
 tgtccacagg gctctacctc ttacttttca attgtgaaca aaaaaggctn cacaccaga 300
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<210> 1392
 <211> 371
 <212> DNA
 <213> Mus musculus

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 <222> (106)..(106)
 <223> n is a, c, g, or t

<400> 1392
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 atttgttgcc ttttgatttc agtgaccttc agcgagacac gagaaaaggc cttggagtct 180
 gttctgtcct cccagccctc agtaggagca cgtattaata agaagagcca catgggaaat 240
 tatgggcata aaattaattt atacagaaat gctactaatg atcatcttga aaaaggctta 300
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<210> 1393
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 <212> DNA
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 <223> n is a, c, g, or t

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 aaaaatgctt ctctacaagc tgagatgagt ttgtcctgtg ttatgcacaa tcagagtcct 180
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 tcaagcgaag atcaccatgt ctccacggag ccttgggcct ctgaaacgag caggtctgag 360
 gctgctgaag tacctagctt catggatcaa aacttctcgg ttttccattt ctccagaatg 420
 tagatgggtct ggtgatttct tatctccttt ttaaaaagat acaattttca attttaaata 480
 aagtaaaatg cgaccttcat atattntcat ttttaaaaag gagctgtccc tgcttttaat 540
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<210> 1394
 <211> 471
 <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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acataccgaa actcaacagg tttcttcttc tgttcatcgg cttcgtctgt gttctcctga 180
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agcgacaccc tagcaagcac agcagagcta ggaccggaag tcacgggatc agagacaagt 420
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<210> 1395
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<212> DNA
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gccacctgaa ctccaagctg ttctgaacg aggtggccaa gaaggagaag cagttgcgga 180
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ccagcagcga ggggcagtct gggcagcccc tgggtccctg cagctccacg cagcacttgg 420
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<212> DNA
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 <223> n is a, c, g, or t

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 gtgtgtctct ccgtgtcttt gtctcctgcc gtttccctga ctctccggcg tctctgtctt 240
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 tctatccaga gttgctgtat cncccancca nccccagggg catcagcgag cacacagcag 480
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 <222> (374)..(374)
 <223> n is a, c, g, or t

<400> 1397
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 caggctaagg aagctcncn tgtcctctaa gaggtcctgg agagagccag tcaaagcaga 120
 ggaaaggttt ccatttggca aagccataga aaaggacagc tgtgaagaca taggagtaga 180
 agaggccagt gaactcagca agctcaatgt ctcaaagagt gtgtgaggca gcgccgagag 240
 ctgccaaagg gctctgcgtg tccaaacaca gtaacatctg tgtcgatagg ctgtttgtgct 300
 atctagcacc tcagtttctg tccccagatg tgggtgtcacg tggtcatttc agcccgnatn 360
 ctctgtgtgg agcnacagtt attcagggtt catttccacc catttcggtt ttcctttact 420
 tgcgttcctg gaagcctttt cctggaagcc tgccccagc 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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 caaggtcacc ttgacactgg taccatggta accttggtc tttagggctg gtgcagcctc 180
 ctctccacac cccaccactt tcccagccct gtctacctga ncctggcact ggcctccaca 240
 gaaaggggtg gaagggagtc cgcactgcag cctaagctgg agagaggtga gattgcagca 300
 ggtttgatcc tgagagcctc atcctacatc cctagagaag gcacccttcc tctgtactcc 360
 tctcatggtg tagggctctc 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 tacgtacatc gcatgataac tgaaaagtta 300
 gctgctctat tcctcggggt tattcctctg agtggttgta 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 aagccccgc 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 tgctcgggtga acagatgaat tctgccatct 120
 gagtaggcag gcagggtgat ccgtgggttga 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
 attgtttgat 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 ggcattcttct 120
 atcgcaagaa gctggctcag cctatcacgc tgcaggtttg gaatcaccga gtcctgaagg 180
 atgaattcct gggccagggtg cacctgaaga ctgccccgga tgacctgcag gacctccaca 240
 ccctccatct ccaggaccgc agtagccggc agcccagtga cctgccaggc attgtagctg 300
 tgcgagtcct ctgcagtgcc tctctcacgg ctgtctgacc ccagcctgcc tgtcctgccc 360
 cactagtcct caccactact cgcattgtccc caccttgcct gggaccagcc tgggaaccag 420
 acacnggggc cctttcctca ctcttccact gacctactgt 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 agggccctca 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 ggtattttatc 120
 cnagtgtggn tatcaacccc cacatcctcc tctctagtaa tgtacaaggg cccctcctct 180
 ctgaacagcc tcntacctct ctctcccanc tgagcctggc tctacaaccc gtccatgcac 240
 tggccagggg ggaacagagg ctgtgagcct cctcagctca ccttgacagt gttagaacat 300
 gttcgtgccc accaagctag ctactctgt 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

<220>
 <221> misc_feature
 <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	nccgtcnc	ctctgttgg	tctctctccc	nccatcttgt	cctccccctct	120
gtttttcatg	acaagcatac	agacttgaac	acccctgggt	gctgtcaaga	actgtgaagt	180
ccatgggtcat	ccaaatntac	caaaaaaang	aagtcaccct	ccatgtntaa	aaaaactgtc	240
gcttctcctc	ggaaacttga	gactccacca	gcttccagat	acagtagctg	ttttcttttag	300
tctttgatgg	aaatnttntg	aaggaaccgc	cctcgctggg	ctcctggtac	accagaggtc	360
aaggccggtg	gggttttctt	tttttaattg	gttggtgaga	agtttcagaa	gttcgttttc	420
cagctgtggg	catttcagac	acatctgcac	cataactcac	acatttcaat		470

<210> 1407

<211> 448

<212> DNA

<213> Mus musculus

<400> 1407

agaatgaacg	cgcacaggcc	ttccgccgtc	tagaccaagc	tcaccgtcag	tacctgctca	60
gtggtcagca	ctatgacttc	ccgagttacc	ggagtgtcgt	gcacgaggtg	accaggcct	120
tcgccgctgc	ctcgcgagg	gtattggcag	tggaaagcaga	gttggcaggg	cctcgagcgc	180
aaccggtgct	cgcgcgccac	gtgcgcagcc	tgcaggagct	agaacagacg	cgcctggcca	240
cgggtggcact	gttgcaggtg	atggggacac	caggagtgtc	agaacaggac	cctgaaaagt	300
tgcaccagct	gaaaataaag	gtaattaaaa	ccatggaggc	gatcggcgag	gttctgcagg	360
aactcagggt	tgatgcggaa	tctgccgagt	gagggcggtc	cccaggggac	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	tactgggggc	tctgccatgt	tacactaatt	300
tgaataagct	ctcccttttt	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

gatccaggat aaggaaggaa ttcctcctga tcagcagagg ctgatctttg ctggtaagca 60

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 gtgggtgctgg 300

agttttcatg ggaagccact ttgacaggca ttactgtggc aagtgttgctc 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 ctatgctggac attcgccaga gctctccagc aagctatcaa gagatgaact 120

cagctctggc tgaactctct gggaattatt cctctgctcc ccactgcctg gaggtctctc 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 gtccttagtt 180
ccagatgtcg aaccacatcg aggactggta gggaaggagc ttaaagtgag cggctgcatg 240
ctggaggtag gctggatcgc ggaagattct cgcctcctcc gactttccat catcaacttt 300
cttgaccagc tttccctagt ggtgaacacc atacagctct ttgggcccc agtttcctgt 360
taagcctggc tggggacca tgtctgacct tatctccgtc tcctcctaag caatacaatt 420
t 421

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<210> 1412
<211> 239
<212> DNA
<213> Mus musculus

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<400> 1412
agaaggcatt ggctcttgtg gctgtggcag cgccctgac gttggaaaca cctgtatgaa 60
ggccttcgat atcattctcc ttggtgcaag gccacatggg acacaaatcc taatgagatg 120
ttgcagtaga taatttctca ttaaaattct tatttaatgg ctttttgaaa ttactgtagg 180
ggcataaaat tgggtcttga tatattttat taaatgctgt atcccttatt cccaaaaga 239

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<210> 1413
<211> 380
<212> DNA
<213> Mus musculus

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<220>
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<222> (98)..(98)
<223> n is a, c, g, or t

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

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

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

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<220>
 <221> misc_feature
 <222> (211)..(211)
 <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> (308)..(308)
 <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> (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 gccagggtta gcntcttcct nttggggata 180
 gctaatacgt gcacactgac cgaggcattg ncttgatatgt tagctaaggg ggaagcantc 240
 ttttgaatca aatgatcttt gctcgtagtt tgacaaagat aacattttta ctcatatgta 300
 agaacgcnc a gtctcattat ntctggttat accatntntt tntggtatcc ctgggagacc 360
 tgctcttttc ggaaatgaaa 380

<210> 1414
 <211> 554
 <212> DNA
 <213> Mus musculus

<400> 1414

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cctcgatctc gtgtgctggg actgaggtat gtacctccac acccagttta gacagtgctg      60
ggaactgaac ccggggctta gagcatcttc agcaagcctc taccgaccaa tctatgtccc      120
cagtgtgctc tcttctgtcc tactgggtaa tggggctgag tttattcaag cccctgggca      180
agagggctgg agctgcccgg gacacctagg ctctgggtgtg gggaccaggc agagccttta      240
tgaagaggac ccctgagcct ctgtacatgg agagacttgc cctgggcctc cagatctcac      300
caacctcacg tcagcacaag cagagaaacc tgacatgtga cgcctcagga aaaagccatg      360
agaaacagca gggcctgctc cttgcctgtc acctcagtga caatgtccct taagtgcact      420
ggacccgcta tttttcccct agttccctga gtactagtaa aattgccatc tgtacctgaa      480
aatgaagact tcacagccat tgtactctgg tcctaggaat gggtgcccag agacctgtgc      540
ctctgtaaca caaa                                                    554

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<210> 1415
<211> 473
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
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<222> (439)..(439)
<223> n is a, c, g, or t

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<400> 1415
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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 ttttgttggt gacataagcc ctctcatggc ccaagctggc      420
cttgaanctc cntgnatcnc tcctcacctg ccattctctc tagggcttgg gat              473

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<210> 1416
<211> 436
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (80)..(81)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (341)..(341)

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<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> (411)..(411)

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

<400> 1416

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tgcncaccga tgtgtaagan nagaggggggt gttgngtgg ccacctgtga tggtttcctg	120
tatgcagtgg gtggccatga tgctcctgct tcaaaccact gttccaggct cctggactac	180
gtggaaaggt atganccaaa aacagataca tggaccatgg tggctccttt gagtatgcct	240
agagatgctg ttggtgtctn tctccttggg gacaggctat atgctgttgg gggctatgat	300
gggcagactt acctcaacac catggagtc c 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

ggtcaacatc atagccgtgc tcaacaacct ggtggtagcc agccccattg ctgcccgga	60
cctgctctac tttgatggcc tccgaaagct ggtcttcac aaaaagaaga gggatagccc	120
cgacagttag aagtcttccc gggcagcctc cagcctcttg 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
tctggtgtac tgggtggcga ttagtcacaa tggcaagggc gggggcaccc tcggcctgac	540
agctttgtga cggcaacat	559

<210> 1418
 <211> 510
 <212> DNA
 <213> Mus musculus

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

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 gggacagaag aggaaccacc gaagtgtggg tgttctgata agctactttc taagtgccat 180
 gtttaggacc tgatcattcc aagtttcacg ttcattgtatg actgccgctc ctttctttca 240
 aggacagtgt tttttgtagt aaaatcactg gtttattcaa agcttttagtt aggggtgagt 300
 gaagctacta aaccccatgt tggctgctgc tgtggaaatg ctgtgctttg agagtaaaca 360
 cacacacaca cacacacaca ctttttgttt taaagaattt ttaaaaaaac gagttagtca 420
 tgagactttt tcattctttcc agggaacata ttgattgggc ttaaataatta gacagttaag 480
 taaatggtgg ctggaacatc tatttttcta 510

<210> 1419
 <211> 419
 <212> DNA
 <213> Mus musculus

<400> 1419
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 cttgccagct aaatccatga cagtgtctat ttaaatagtg caatcaagaa taccctgaaa 180
 taaatgcaac ccaaagttga aatgtgccag gatgccctt ttttaccag gagatatctt 240
 atatttgga aatgtctgcc tctccaaata aatatgtgat taataagcca tatcacagtt 300

taagaaattg tatatatgcc cctccaaaaa ccaagtatit tgcatatgat tgattttaga 360

aagattttga agctgggggt tatctgtgta atgaagacca gattctttgt atatgtact 419

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

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

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

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

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 taactccaca atgtcttctg tttagtgtat ggnaaaagnt gtccaaacnt ccacctgggn 180
 ccagcacagt ggccagcgtg ttctcaggct gcctgctgag gaccgatggt ggattttctct 240
 ctttgcctta aacctcttta tttcactgcn ccaacacttt ctctttgtac atattcgtnc 300
 caaccttctg aaaaggaagc tataaaaaca gaagttgtaa ttttaagagtc tgtgaataac 360
 catnctgctg cttggggggtc gntggaacac atncctttna gcaggaanca aatctgtcct 420
 tttttaagtt tataaaatgt ncattttaca gtatcaaata tttatantct tatgagaaat 480
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 <213> Mus musculus

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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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 acatacagtg gaattgcctg catttggcat caaccattg 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 caaatcata tgcaatatga 420
 gtgaacaata tggaagaaat ttntcaatgc taatattttg tgtcatggca ttttggaatg 480
 tccctgcata tagttttta 499

<210> 1422
 <211> 545
 <212> DNA
 <213> Mus musculus

<400> 1422
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 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
 tgcccagatg agaagacagc tggaggaagt tgagtttgtc aagccccacg tgggtgattga 420
 tgggtgattgg tatgctagt atgaagatga ccgaaactgg tggaaaaact gaagacatga 480
 gccccctctc cttcacgtcc tagcactgca gtatctgtga aatgtttgtc tcaccttgga 540
 ggatg 545

<210> 1423
 <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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tatttagcag ctactgaag ttcgtccta aaggcaaaga agctgctgcc tcccaggggc 120
actaggacat ggactgcgaa tggncctgcc ccctgcccc tgccccctgt cccctgccaa 180
ccgctccagc ctcagtcacc gaatgatctg ctctgggtcaa atccttctat gccagccagg 240
gtggtgatga cccgtgacct tttagaggagg ggagtaggct gataccggga actctttgga 300
tccttgccctt ctggcagaga aaacaaaact ccgtttcata atctgcaaac tcattcttgc 360
tcactctagc ttggggaagt gacagttggt gcccatta 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
tcttattttat ggggtctcatg ctgtagacca ggctgggtcct gaactcacia agatccacct 240
gcctgtgcct cctagtgtg gaattagagg catacatcat tatgtctggc tgacgttctt 300
gcctgtctaca tgggtgcagtt ataggttgca ccaccatact ctgatgcagt gctagggatg 360
gagcccagga cttcctgcat gctaggcaaa cattctacca actgggcctt ggccccgtcc 420
tgggtctctgt ttccgtgtgc tgattctgct cctgggtcca cgctagcaat tctgaagcaa 480
cagtgaatca actctgggtct ggcactgc 508

<210> 1425
<211> 500

<212> DNA
 <213> Mus musculus

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

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 gggggaaggc actagtgggc aaccagtnn nnnnnccgtc atgggagcag gagtccttcc 180
 tgtgaattag ggatgggctg tgggttgtga ctgctttctc taaaagctt gagacgtagc 240
 ccctaggacc ctgggttcta tttctattca ctgaccagac tcccctaaac actatctgac 300
 atttcatggt ccaggtgaca gatgctctgt gtcacacacc cctgactctg tatgggggggt 360
 ggagtgtact ccttcagccc ccacagccag aatcacttct gcagccttcc tgagctcagc 420
 accctccctg actgtgtatg acctacagtg cctgggttcag atgtatttct agccctgcc 480
 gtggctgtct ttgtacagat 500

<210> 1426
 <211> 491
 <212> DNA
 <213> Mus musculus

<400> 1426
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 cacctttgag tactacctag gaagtttgag gctagcctgg agctataaga ggctgacacg 180
 gggcggggggt gggaggaagg cctgtcaaag actctatgga ccagtccatt cccaagcaga 240
 gtcgtggaga tcctgcccgt agttagctaa gaccggctcct gacgttttgt gtcaactaaa 300
 tcgctgtga ctgtatcttg gacttagtct cggttcctg ttgctagaag aggctccttc 360
 acttctactc tgaacacca cagaggaagc caccctgtgg ttttcttaca actggggatt 420
 tggctggtgg aatggctcat ctgaagacac tgccaccaag cctgatgacc tgagttagac 480
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<210> 1427
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 <212> DNA

<213> Mus musculus

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aaagggagga gagtactggg cacaggggtca gaaagcaatg cacaggcatc aaaactcacc 180
gtagcaatct acaaggatctt acataagatt tcagggctgg caccctgtgc ncngnnctnn 240
nnnnctnnnn nnnngannnn nnnnnnnnnn nnnnnnnnnn ntnnncnact ccccagagtc 300
atcctctaac cttactcaga caccagatg tgagccagtc ccctcccacc atgactatctt 360
gcctttacac agaaagtcca tgtctggcac atgtttcagg atgaattaaa tgctgacagt 420
gactgagtga gagccaggca gctctgcttt agtgggttag ctctttggag gtaaggggtc 480
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<210> 1428
<211> 379
<212> DNA
<213> Mus musculus

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aatatatgct tgttggaaca cacagccttt cagaataaat actggtatctt gttgttgctg 120
tacaattgaa atcaggcatt caccatacaa tgaaagcacc aagaatcaac agaacaggga 180
aagcggccgc ttgtcccttc ctgttcattt ttttcatgga aagagagaat gcctttgagt 240
ggaggggtacg acaccacagg tcacactgtg gtgactgctg cctcaccggg agaagagagt 300
acctctgaga caaatggact gtgcttttaa aaaaaaacag caaatggga ggatgagtgc 360
taactctttt caggagcat 379

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<210> 1429
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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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 ttcagcatgg actgttgtct gaatcaggtc cccaaagtac atgggggtgca cagtcgctcg 120
 gaatggagaa cctcaggcga ggcggtcnaa aggccaggac ttctcaccaa gctgtgctct 180
 cagaagtgca caggactgct agtgactgac tgggtgagatg aaagcctaca agacatggcc 240
 tgggggtcacg cactgccaaag naggctgacg ggaggcccag gtagcccaag gatggcaagg 300
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 ctcncaacc cacngccacc tcagaaggtg aagtttttga ttcgatcaca actattagca 420
 aaacaaaccc tgtcagtttt aaactgtttt tctgacctaa gactttacta gannntnana 480
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<210> 1430
 <211> 464
 <212> DNA
 <213> Mus musculus

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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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 <222> (310)..(310)
 <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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 ggtcgccatt tatgtcggtg gtgtcatagt ctgcagcagt gaatagcgtc attcttcagg 120
 tgggtctaggg agcgcggaaga gcttttttgt actttttacc tccaataatg ggaaaatgaa 180
 gcttttaggt attggtcaaa agatctgatt tgagagtttt gggttttttt tttnaagtgc 240
 ngtaggaaat ggattatcta ttacaacnta acttcttcaa ttatggaatt tttatcctag 300
 tagaattctn tcttaaagtgt aatactacaa gtgggtacat tccccnaac tgattataga 360
 taagtttaat catctcaact tgctaacatg ttttcatttt tcctgtaaat acgtttattt 420
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<210> 1431
 <211> 575
 <212> DNA
 <213> Mus musculus

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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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<222> (399)..(399)

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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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<222> (431)..(431)

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

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gtccccttcc ttagcttttc ggtcctcctc ctccttaaga aagaagaata accccgggga 120

gaaagagctt ccaccttggc gatcgtcaga taagcatccc actgacatca tccgctttta 180

ttatctagac aactgtgacc cngagctctt caggctagga agaagaaaaa gaagcgaagt 240

gaccccagac ttcaagcgcc agctgcgaga taagaaaaat aagcttcaag acagagccag 300

gctcaggaaa gcacagtcac tgatctccct gagttcccct ccaaagttc cagttcgtct 360

ngcctggcct ctgcatctgc cagtggcacc ctcagacct gaancagcaa cggaagcant 420

cctggagcat nttcagaaac accccgggct tcagtcaccc tcaccgaggc tccagagtca 480

aagctgatta aaggattgga aaaggacttt ttctagaaac gacaaggtgt tcttcacagc 540

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<210> 1432

<211> 447

<212> DNA

<213> Mus musculus

<220>

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 atcctctgtg aatctgaatg tcaaaaaacc aacactgctt ttaatcctct ctgactgttt 180
 aatgccagct ttgtgttctg aaccgagggt tgcataagta gagtggaaat ctttctgaag 240
 ggcgggaact ctgtcaggct gagctctgta aagccctcaa gaaaccctcc agaacactta 300
 gcagttgggg tgctgatttt cttgtgcttt tgaaaactta agtcatttct ccgtttcctg 360
 catcatttct tgagtagtga agtcacgtct ccattcaaat ccaccctcaa gcacggcca 420
 tgggaacttc tgattctggt tgctttt 447

<210> 1433
 <211> 489
 <212> DNA
 <213> Mus musculus

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 <222> (237)..(237)
 <223> n is a, c, g, or t

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<222> (332)..(332)
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 <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 cgtgggtgcct ctgggctgat 180
 gcacccccct agcctgtctt catttaaagc aagcaagtct tcaccttctc cnnctgntga 240
 cacacannnc nnnnnntnnn ngnnnnnaggn gnncaancct nnnnctctn ccatgctant 300
 gancccgagn ccttgancct natttaagca gncanccgtg tacagtggag gtanntctgg 360
 nacattcctt ccatttncct tgtagnccga ngncctgtgc agnccttccn nacctngctt 420
 tntttgttgc tctacatgtg cccacgggn ttactcagt acgggatttc cccaaatctg 480
 gcctgttat 489

<210> 1434
 <211> 326
 <212> DNA
 <213> Mus musculus

<400> 1434
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 ctggcggttcg agcgcagggc ctttcgtggg gagcagtttg ttctggagaa gggggactac 120
 cctcgctggg atgcctggtc cagcagccga cgtagtga ca ttctcctgtc cctccgtcct 180
 ttgcacattg atggcccaga ccacaagctg cacctgtttg agaaccagc cttcagtggg 240
 cgcaagatgg agatcgtaga tgacgatgtg cccagcctgt gggcccatgg tttccaggac 300
 cgtgtggcca gcatccgtgt catcaa 326

<210> 1435
 <211> 324
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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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> (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>
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 <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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 cctaattgagg actgtgtcaa agccacata gagaagggtga cagatgttat gttgtgtgca 120
 ggagatatgg atggaggcaa agacacttgt atgggtngan tcanggaggc ccactgatnt 180
 gtgatggtgt tntccacggt atcacatcat ggggccctag cccttgcggt aaacccaatg 240
 tgccagggtat ntacaccaa 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

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<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> 1436

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cctaattgagg actgtgtcaa agcccacata gagaagggtga cagatgttat gttgtgtgca 120

ggagatatgg atggaggcaa agacacttgt atgggtngan tcanggaggc ccactgatnt 180

gtgatggtgt tntccacggt atcacatcat ggggccctag cccttgcggt aaacccaatg 240

tgccaggtat ntacaccaa cttattaagt ttaantnttg gataaaagac actatagcta 300

aaaatgcctg aatatcacat tgtccca 327

<210> 1437

<211> 376

<212> DNA

<213> Mus musculus

<400> 1437

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gatttggtcaa ggctacctca tcaaggatgg caaactgatc aagaacaatg catctactga      60
ctatgacttg tctgacaaga gcatcaaccc actgggtggc tttgtgcatt atggtgaggt      120
gaccaatgac ttcacatgc tcaaaggctg tgtggtggg accaagaagc gagtacttac      180
tcttcgtaag tccttgctgg ttcagaccaa acgtcgggcc ctggagaaga ttgacctgaa      240
gttcattgac accacctcca aatttggcca tggtcgcttc cagaccatgg aggagaagaa      300
agcatttatg ggaccactca agaaagatcg cattgccaaag gaggaaggag cttgattcca      360
ggaccacttt gtgcag                                     376

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<210> 1438
<211> 421
<212> DNA
<213> Mus musculus

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<400> 1438
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cctgtagtgg gaatcccact gtttggagac cattatgata ctatgactag agtacaggca      120
aaaggcatgg ggatcttgtt agaatggaat acagttactg aaggagagct gtatgatgcc      180
ctggtgaaag ttatcaataa tcccagttat cggcagaggg ctcagaagtt atcggaatt      240
cacaaggatc aaccgcca ccctgtcaat cggactacct attggataga ctacattctt      300
cgccatgacg gagcccgtca cctccgttct gctgtccatc agatctcttt ctgccagtat      360
ttcctactgg atattgcctt tgtgcttctg cttggtgctg tcttgctcta cttcatattg      420
t                                                         421

```

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<210> 1439
<211> 336
<212> DNA
<213> Mus musculus

```

```

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

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<400> 1439
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gtaattcccc tgaaggtagt cgtagctaag ggggcagaat actgtttctg gtgaccacat      120
gtagtttatt tctttattct ttttaactta atagagtctt cagacttgct aaaactatgc      180
aagcaaaata aataaataaa aataaaatga ataccttgaa taataagtag gatgttggtc      240

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accaggtgcc ttccaattt agaagctaata tgacttttagg 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
 ctcaagtgtga aattatcccc ctgaatgttg acctctctgg gagtgggaatg ccagcaattc 240
 atggcagcag ctaataggta aagccggtta tttatttgtc aatgttggtta tttaatgagc 300
 tcttgcatgt gatttttttt nncaaaatgt taattttttt tatgttttga agctttttca 360
 tgtacctaaa tattttcccaa tacgatttgt gggttggtcta gaaatatgna aatatctgtt 420
 gtagatatgt aaaataaatg ttttactctc cgtatatatt gcacggttca ccatcatcat 480
 tagcgtgggtt 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

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<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 cccaagtct      240
gtgtacctgg ggcgaattgt ttgacnaatg gcaaccctaa gtcttgagaa cattacaagt     300
accgataata ttactatat actatcttta ctataaagtt tttcaaaggn caaggaaata     360
tcaatggtaa agaatttaaa atgtacaaat aactcaatga agaaagacaa acttttagcat    420
ataataccca tcaagtagct atgtctgcac acgaaa                                456

```

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<210> 1442
<211> 142
<212> DNA
<213> Mus musculus

<400> 1442
cctttgacct ctaacattat ttgcattctc aaatgcagca agaaccctct atgcactttg      60
gctgtttctg ataggagtta tttaatgata ttgtattttc ttagggcttt ttgtcgttat     120
ttggttatgt cttggttggt tt                                           142

```

```

<210> 1443
<211> 547
<212> DNA
<213> Mus musculus

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

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

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

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<220>
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 <222> (375)..(375)
 <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>
 <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 gtcantacc 300
 ctactatttg agcaacctgn tggccacaag gaaggttttg gcacaagaca gcatttctag 360
 gggaggggcta tntgntantc agcgaccagc ctttgcttgg tatattcaag acttgnttcc 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 tgттаaccta tagtcatatc 180

aacttgagca gatatagaaa aagattttgt taactncaag aacatgaatt acataagttg 240

agttgggcaa aacattttta gtgctttttg cctctactta ggagcctttt tctnaccaa 300

acacttaaca atgcatttca aaataccttt cagctttcat tttgcttcag tgtctcacag 360

ttcaaggcag gcaagaaaac tcacagcttt taccctagct gtagagacag gcagaggcag 420

gtggattcct aagagtttga gccagcttgg ttacatagt gagttccttg ccaggncctc 480

caccaaata ttaaatacgt 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

gctgtctctc agtgaagttc gtgaatgtct gaaacttgac caggatcaca agcgggtgttt 60

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 gccagcggt tactgaagca gtcacagaaa cgagattatt ataaaatntt 480
gggagtaaaa agaaatgcc aaaaacaaga aatcattaaa gcataccgaa agttagcact 540
gcagtggcat ccagat 556

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<210> 1446
<211> 200
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

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<400> 1446
cactcctttt atttctcagc tctaaanact ttactctttc ttactgtgaa tagaagaaaa 60
cctgaaaaac atctcagtgg tttattaatg tgaatntgga tgntaacgtc ttaagttaaa 120
aatgtagtga gtgttaaaag tctgttttta aatagcagta tgcagatttg tctactggagt 180
tctgataatg aatggaatta 200

```

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<210> 1447
<211> 242
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature

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<222> (71)..(71)

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

<400> 1447

gctgcaatag catgtcactg tgacttttagg cccattttca aaaataccaa acttaaacac 60

atccccaaaa ncgagtgtga gagaggatta cagataacta agtaaaaaat gtcagtgggc 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

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tggcccccta tcagtgtgac tgccccacag gctggactgg gtcccgtgtg catacagcta 120

cttgtcagtc cccctgctta aatggcgagg aatgcataag accaaaccga tgccattgtc 180

tctcagcctg gacaggacat gattgttcca ggaaaaggag agccgggctt tgatctcatg 240

ccccaccccc tntccctaag cagcatcatc tccttccggg agctcctggg actcccacca 300

agaaagacca ancgcggtgc tggggcttgt ttggttttat aagcttgagg ttgacttttt 360

aattttgtga tctattttgt taaatttttt tgtgacgtcc tttcttacat gtgtgcgttg 420

tttaaatatg cttgcatttt ctatataaaa tttatattaa acggacgcac ttcacctca 480

<210> 1449

<211> 573

<212> DNA

<213> Mus musculus

<400> 1449

tggcccccta ggagttcacc agaaccacg ttgactctga agccgatgaa atgagaagaa 60

```

ggaagggagg cacctgccac tcacctttca tgactctctc tgcttggtgc tttccttgct 120
atcgccagtg atgttggccc agctcaactg tgggagtgga aatctgtgac tctatagccc 180
ttggcctaag ggctccctca catcccctgg atagtggaca cccattcac caaggggtggg 240
gactggtctg aatgtccctg gtcggccctc tggcctcctg atgtcatggg aagaacaagg 300
aagagcccta ggccagggcg atacctttcc cacctcccta cccaccacgg aaggagaaaa 360
gcacacagct ctgaagcagg tgtctctgtg tggaaggttc taggttctta ttatgcagac 420
ctcggttgtt gagcatttgt gaagctggga gcctttgttt aaaagtgtgt gggagggtggg 480
gggcgaaatg acggcatggg ggaggaggaa gaggaggaag ccctcaccat ataaaattca 540
tgcagactaa acagtttctc tgacggcata aat 573

```

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<210> 1450
<211> 392
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<400> 1450
ccgagcggca ggattcgcct tttctaccgg acctcaattt cttcgctgca gactcctgtc 60
tccagatgtc cggaggcctt tcaccagcc tgcagggttc tctcgatagc cccgtgccct 120
tttccgagga agagctggac ttcttcacca gcacgctctg tgccatcgac ttgcagtttc 180
cctaactgtt ttccatcttt ggtcctttcc gtctggtcct ccttggctgt tgggggctggg 240
gggaatcggg ccttctccac tcgtggatac atttatgccg ttttgtaaa atccagatag 300
taacgaatna gcgtttcatt cactcctttt cgctttttta aaccacacac aaaaaattcc 360
acttggtaaa actccttcca acgaaatctc ag 392

```

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<210> 1451
<211> 514
<212> DNA
<213> Mus musculus

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<400> 1451
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tctggtcctt tggatgatgt gttggacatc ttgattgacc ttttgagtat gtgacagAAC 120
acatcttctt tggctcattt tctcctggga tcgcctcttt ttttcctct tctttttctt 180

```

tttctttttc tttttttctt ttcctttttt cttttttttt tcttttttgg cagactttctt	240
ggttcagcag atgccaaatt ggccaccata tcacatggtg tcttttttga cattctggat	300
gcatggaagg tcaactgtatt ggcaagggtga catctcagca tgctgctatg caccaagata	360
gatgggttacc 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 ccaaattctga tcacagctga catgatcaag gaaggagcag	120
cggtcatcga tgtgggaata aacagagttc aagatcctgt cactgcaaag cccaaattgg	180
ttggagatgt ggattttgaa ggagtcaaga agaaagctgg ttatatcact cccgtccctg	240
gtgggtgtggg tcccatgacc gtggccatgc tcatgaagaa caccattatt gccgcaaaga	300
aagtgctaag accagaggag ctggaagtgt tcaagtccaa acagcgcgga gtcgccacca	360
actagcagca ctctgagcca gcccagagagg ctaagcaggc caagaggaat gcagtgtttt	420
taattttattc 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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agggtacttt cagtgtctct actgacagaa actcctgtat ctcaaattga tctcgaagtt    120
ctctagtaag gagtcctaag gatgacatgt attgggccac tagcagggat tgaaaacatt    180
ttaaaagaaa tcctttttct taggagtaaa agctggtaaa aggggtgact tcctggttct    240
gatcaaaacc agaccaaacc ctcatctcag caaagccttg caagacactc ccttgctcat    300
ttgccatatt tagatgtctt agtggagtca gagccctgtg ttggtatgtg tttttcatgc    360
taagtctaaa ttgtcttttc atttcatgat gcattttttc tcttttgtca ggataacatc    420
atatagcatc ttgtttgttt ttcctaattc ctatgtacat atctatctac ctgtaaccgt    480
agataggtat ctagatagat accaagcttt taagctctgg gctactatgc atcattattg    540
ggtctctgcc ttaaa                                         555
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<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

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gaggatgctg atctctcgaa acctgcttca gcgactagct cccaagctgg agagcctcgc      60
ctggagtctg tgtngcagct ggaatcagtc ttgatgctcc tatgggctgc tcagttcaag      120
tgaatcatga agtagaccaa agggctgagc tcttctaaac agactgagct gtcagccacg      180
ctgctgggttc tgagacaaga acagagttct tagcagaggc tagaagggtc gctctgagga      240
gccatgcccc aagaagacct gcacactgcc ttcctcattc tggaaagaca agcgggtcaaa      300
gctgtggctt ggatccacac tatgggcatt ttggtgattc ttgtccttag ggtctgggta      360
cttgaatgaa gcttttctg attaaacagg taaagtctgg ggaggccagg gcagtggaca      420
gatntgcccc ntttctgggt tctgttntgc actaggggta tgtcaggaca gtactcctgt      480
actcagatca tgat                                                                494

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<210> 1456
<211> 348
<212> DNA
<213> Mus musculus

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<400> 1456
cacttcactt tgtaactgtc ctgaactgga gcccgggaat ggactagaac caaggacctt      60
tgcgtacaga aggcacggta tcagttggaa caaatcttca ttttggatatc caaactttta      120
ttcatttttg tgtattatth gtaaatgggc atttggtatgt tataatgaag aaaagaacaa      180
cacaggctgt tggatcgcg atctgtgttg ctcattgtgtg tgtttaaagg aaaccatgat      240
cgacaagatt tgccatggat ttaagagttt tatcaagata tatcaaatac ttctcccat      300
ctgttcatag tttatggact gatgttccaa gtttgtatca ttcctttg                      348

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<210> 1457
<211> 519
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

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<400> 1457
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gtggggacga acgcgacagg aagaccgtca gggaagggga gacaccactg gagaccaagg      120
ccaattgggc tgtgtaatac cctgatccct gaaccctgcc ccggggcgta ttcaggtcag      180
tggccataaa aaggtgaact cagcatgctg ccccgccact ggagaggctg cacgggtggag      240

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gcgatctatc acactgtgag acactgggac tgatttggtg tcaactgctg tgccattctc 300
ctgggtcagga 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

```

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<210> 1458
<211> 562
<212> DNA
<213> Mus musculus

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<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 ctttaaggatg 240
tgatcctact gacagccatt gttcaggtgc tcagctgttt ctccctctac atctggtcct 300
tctggcttct ggctccaggc cgggcccttt accttttgtg ggtaaactgt ctgggccctt 360
ggttcacagc agacagtgga gccctgcac cagagctcaa tgagaaacga caacgccgac 420
aggagcggcg gcagatgaaa aggttatagc atccttaact gaggctgtag gctgctgggc 480
actggttggc tctgttatgc tgcgtggccc catgcctgga gcagtgaggg cctagtttaa 540
gggccaaagc agcctggatt at 562

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<210> 1459
<211> 565
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (288)..(290)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature

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<222> (294)..(298)
<223> n is a, c, g, or t

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<222> (300)..(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

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<221> misc_feature
<222> (307)..(310)
<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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<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (322)..(328)
<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> (336)..(336)
<223> n is a, c, g, or t

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<222> (339)..(340)
<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> (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

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<222> (370)..(370)
<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> (390)..(390)
<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> (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>
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 <222> (414)..(414)
 <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>
 <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 gcaagggtcag caacgatgtg 120
 ggcgcagacg tcagcaagtc catgtacctc acagtgaaaa ttcctgccat gataacctct 180
 taccccaaca ccaccctggc cactcagggg caaaggaagg aaatgagctg cacagcccat 240
 ggggagaagc ccatcattgt ccgctgggag aaagaggaca ggatcatnnn cncnnnnntn 300
 nccncnnnn tnntntccnc cnnnnnnntn ngagangann tnanatntac nctncagatt 360
 tnncnacan tgagagnaga ttccggtttt ttntcctncc atncnatcaa ttcntacggg 420
 gaggaccntg gaataattca actcacagtn caagaacccc cagatcctcc cgagattgag 480
 atcaaagatn tcaaagctcg caccatcacg ctnaggtgga ccatgggggtt tgatggcaac 540
 agcccatca 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
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 cttgaagctc acctgggccc agctcaggaa agagccagag aagtcgcctc ttccaggcta 120
 acaagccaga gcttgctgcc tcattcctgt ccatttctan ttcccccaag tactgtatca 180
 cttgtggtac cctaagatgc cccaccccggt gcctttctag tccctaaaag tcaaacagtg 240
 gaagatgcta agatggtggt cctgcagact gcagtgttag agccttagtt acaccacatg 300
 aagcctataa ttacactgag ttcaccgngg tgattgctga cagctgcccc ttgtcaacat 360
 gcagtctttc cctttttggg gtgtaaatga ttaaatacag tcttcctgt ttatttggtg 420
 caatgaagta tggcagggtga catggggaag gggtaaatta ttacctttaa caagattgat 480
 ttttaaattgt 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

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<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
agaagagggg catctgtaat ttccagatca acgttgcacc ttggctgaac aagatgtcca      300
tgacaaactt caactgttac aatttctgag gatatatgtc aggctacact tctgctgatt      360
gtctcttact ttactcaat cttatcctta agttctcctt tcctcagaca gagatcttag      420
tcccaaaggt tgtctcttga gaatgatagc accaagagaa naagtagaga taggccctgc      480
acacctaagt gacagttccc ttgttccttt catctacttg tttttcaaag gccactgtt      540
ca                                                                    542

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<210> 1462
<211> 229
<212> DNA
<213> Mus musculus

<400> 1462
gtttgctgga aattatgact tagttttcct gcattgtgag gtttacctgt gtgactccac      60
tactgaacag tgtcaaccat cttgctctac aaatcgactt cgcagtagta gaccagccat      120
tgactataat cgggttcttg atttaggacc catcactaaa agaagtgctc agagttctgc      180
tacctcgaag gggactcccc acactacagg gttcttggtg gcctggccc      229

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<210> 1463
<211> 432
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (320)..(320)

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

<400> 1463

gtcatcggac tgggtggcttt gtatctggtg ttcggttatg gagcctctct cctctgcaac	60
ctgatagggtt tcggataccc agcctacatc tcaatgaaag ccatcgagag tcccaacaaa	120
gatgatgaca cccagtggct gacgtactgg gtggtatatg gtgtgttcag cattgccgaa	180
ttctttctccg 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

gaagcccatc caggtatgcc aagtggcttc ctaaagggaa acaggaagag tctggggttt	60
ccaccctcag ccctgaatcc agagaccatc aggggaacgtg cagggcaaga caggcccggc	120
ccacactaan tgcaggctgt agcccagtgg gagctcagcc aggntagagc ctgactcctt	180

cattctctag tgatgtttga ccacaacaag atantagcgg gattttcaca cccccccaa 240
 aggatatccc aagcaaggga ttgtccactg tccaccctag ccaggatatgg actgacaact 300
 tctcccctaa agtgaaaagc agggccctca agccctatga nccccacatg tgcagcctgc 360
 ctctttcttg 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
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 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
 taattttaaag 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 acacagtga cgtctctcca gatggatccc tctgtgcttc tggaggcaag 240
 gatggccagg ctatgctgtg ggatctcaat gaaggcaagc acctctacac tttagatggg 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 tgggatgttc 60
 accccctgga ggggtctcat tttgatttgg caaggactag tgagagtcca acagaactga 120
 agatagacat ttctcagcct cctgatgtca actctgaact ctggacaacg gggccggggc 180
 atcagagacc tgctctccaa gaaaacagca aggagtctta taaaaatgtt gcagatttgg 240
 actcctttcca gagtgnagtc ntcattctcc caggactcca atcagcgtng gccccagcc 300
 acagacactc acaacagaag caaaactaag tcttccgatg gcggctggac acggtggcga 360
 tgctggagac ggnngctgaag aaaacattct ttacctctga ttgtgtggcc atttgttttc 420
 ccaagcaaac aa 432

<210> 1469
 <211> 454
 <212> DNA
 <213> Mus musculus

<400> 1469
 atgtgtgtgc ttacagacc tttcctcttg ggcccaggta tcatatacac tgtgtcatct 60
 gaaaatggac cgtgtgcct 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
 tataaatggc ctcaaagtgt tgtgtaagtt acgcattggt 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 ttatatattgt atttgataac gtctacgtca gtgttgaggg	300
attttcttgc tggattttata ccaccatgta taccaagtgc agcaatgcaa gtataactgc	360
agcaatgcaa gtagagccat ctctgaacac ctaattctga gaccctttct cagcggcttc	420
tgggctaggc ttataattcc ttacaccaag atgtaatctt ttgttgcattg tggtgccact	480
ggccnttttag ttccactta 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
aaaccggggc atgaaagctt tcctccaggc	510

<210> 1472

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

<400> 1472
 gtggacatag agatgccgga gccccacat acatgtatga gtttcaatat agtccaagct 60
 tctcgtcaga aatgaaacca gatacggtag taggagacca tggagatgaa atctactctg 120
 tctttggggc cccaatttta agaggtggta cctcagaaga ggagatcaac ctgagcaaga 180
 tgatgatgaa attctgggcc aactttgcta ggaatgggaa tcccaatgga caagggctgc 240
 cccattggcc agagtatgac caaaaggaag gttatctgca gattggagcc accaccaac 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

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atataagttg aatgcattta ttttagacac aaagctttat tttttttgac attgtgtttc 180
aagaaaaaaaa atagaataac aataactaca actttgaggc caatcatttt naggtgtgtg 240
tttgaagcat agaacgtctc ttaaactctc aatggtttct tcaaatagata agttagtatg 300
taacctaagt atagcagttt ctctcttttt tttttttttc catatagagc actatgtaaa 360
gttagtatat caataatata ggaaatatca aacagtatgt aaaactctgt ngttgttggt 420
ttttagtaca atggtgctat tttgtagttt gttatatgaa agaatctant caacacagta 480
aaaggagaaa gcaaagcaaa aacaacaaan gaaagcctgg agcctaagat gacaaa 536

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<210> 1474
<211> 355
<212> DNA
<213> Mus musculus

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<400> 1474
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agagtggaca actaccaaga catctggatt gggctccatg atccaacaat gggtaacaaa 180
cccaatggag gtggatggga gtggagtaac tccgatgtgc tgaattatct taactgggat 240
ggggatcctt cctctactgt caaccgtggt cactgtggga gtctgacagc aagttcaggg 300
tttctgaagt ggggagacta ttactgcat gggacattac catttgtctg caagt 355

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<210> 1475
<211> 456
<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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<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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 ccactgggac caggccctat tatgcnnnnn nnnnnnnngt tatcttcttc aacagctctt 180
 caatcagggc tgcgtaggta cattagcttt tgtgacaacc aataagaaca taatattctg 240

acacnagcan tgttacatat ttgtgaccng taaagacata ggtggtattn ggagacatga 300
 agaantctgn aagttgactc tgaagagttt ancactagtt tnaacaccaa gaaagacttt 360
 tnagaagtna tattgataag aaaccaggnc cttctttaga agggtagcta aattttaaaag 420
 aattttgaaa ggctgggtat cggtggtata tgcttt 456

<210> 1476
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 1476
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 tttctgaagc tcggaagaac agtcaccact ttgagaacgt ggtaaggag acggcatcct 180
 tgatttaciaa 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
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 agatggtgca cgctgacatc tctatcaata tgagcaagca caccaccttc ttcggggcca 180
 tcaggctggg cgaagcccct gcacccctaga ttctccatt ccacccctggc ccatgcccct 240
 gccccaggtt tgggagccag gactcccaga acctctaagg tgcttgctgt gtgtaggaat 300
 tgaggtatac tggcgttgca gccacaaaga gaaatgcccc atgctattta tccccagtg 360
 actccaggat gacaaggcct atgtgacttc ccagaaagac cttgagttgc caggacagtt 420
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<210> 1478

<211> 462
 <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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 gagctctctg ctggcttctg attcagacca taggnngcna ccaaggaagg tctaagaaga 180
 gaatgaggag acagtatata gctctccaag actgatactg acagttctta cagtcaggat 240
 tccaatctt ttaggggtcaa aggaaactta gaggtagctt aggtataagt cacctcttta 300
 attgtttcct tgaacttctc tctgttagaa aggagatgaa taaacnaaat ggggcattcc 360
 agaaactgga ataaagggtga caatgagtgg catgggccca ataagagata ggatctgtgg 420
 ttattaattt aaaaacaaag ccactacttt tactgaattc aa 462

<210> 1479
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 1479
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<210> 1480

<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

<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> (418)..(418)
 <223> n is a, c, g, or t

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 ntgcggaggg aatgccaatc gttttggaac ccgtgagggc tgtgagcgcc gctgcccacc 180
 ccaaggggtc cacagccaga aaacaggtgc tgcctagggc tgaggcccgg atgatgcgct 240
 tggtagggcag cagtccttgg aggtggcagg gtctcagccg ggtcctgctg tgctccattt 300
 ggtgctagag ttgtgtgtgc acgtgagcat gtatattgtg tgtgcacatg agcatgtcca 360
 ctatttcagt gacttgggtcc tntgggtcta annngnggnn ngggaccccc atggacanat 420
 cccatttgtg gcgcccgtt tcctggcaga tgactcactg ttgggggtgg ctgtgggcag 480
 tgaatggatg tgactggtgt ccaacctgcc 510

<210> 1481
 <211> 496

<212> DNA
<213> Mus musculus

<220>
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<222> (35)..(35)
<223> n is a, c, g, or t

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aagtcctcat tatggtgccc ccaccacaga atggcaccct tagaggctgg ctcctcaagt 180
tttggtgccc cagccctgaa gcagggccag ctacttgga ttaggtgaac tacccccacg 240
tggcagacca ccagcagcag tgactttgac ttctggtctt aaagcaaccc ccattcagct 300
caaaaagcga ttggtggatt tcagatcttt tgtgtttttc tcctctgggt gttttgtttg 360
tttttctttc actgtttgaa gttctgtctg ttgtttgttc cattcccata gttctctctg 420
catttccttt ttaaacattt gcatttgctg ggcaattgcg tattttttta attccctttc 480
ccctatgtaa agctga 496

<210> 1482
<211> 576
<212> DNA
<213> Mus musculus

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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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<223> 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)
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<222> (494)..(494)

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

<400> 1482

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cagccaccca cagcccacaa agccactggc tgcccaccat gggatcagac tgtgggtgat	180
ggctnctgac cgctagactg ctccatctca gccatcgtgt ggccacagct agtccttgc	240
cgttttggac ctccggacta ctgcatttag aagcttgggt gaactgagcc gactggactg	300
gcactcatcc ntctgaggct gggccacagg atccaggctc ccttagctgt cccaggcccc	360
aggagggcaa ggagtagtag caggggcctc aacatttcta agtaaatacag gagcttccag	420
cccnctttct nttgacatgc aggggnctgc aaacatctcc ccagaggagg tagatgaccc	480
cacctgggga ttcnttaatg gacggggaca gacgtggaaa gtcactgcac atgcattgag	540
tatctactgt atacagggaac tgaaacaatg gctttt	576

<210> 1483

<211> 470

<212> DNA

<213> Mus musculus

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<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

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<221> misc_feature

<222> (382)..(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> (400)..(400)
 <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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 gnttctcaaa gccaatggga ggaaagcacg ctcttaccct caatgccaaa cagctggcac 180
 tgggtaccta ggttcaggcc agaagccagc cagggaaagc tctggctaca gaagtctgat 240
 gggaaagctg gccagaaaag ttggtctgtc ccgcgctgtt tctggaacac cgtgggttata 300
 ggcaaggcta ttgctgtgac tttgaattaa agttgngtct ctctctgtgg agcctcgcca 360
 aactgacct 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 acaccagca 120
 atggatacag gacatcacac ccagcaatgg atacaggacc ttggagaaat taggagttgt 180
 aagcaggac 189

<210> 1485
 <211> 478
 <212> DNA
 <213> Mus musculus

<400> 1485
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 agaggatgaa gatggaatcc tggatgaata tgatcagtac agcctggccc atccctgtgt 120
 cgtcggggga ggtcggaaaag gtcggaccaa gagagaagct gctgccaata ccaaccgccc 180
 tagccctggc gggcatgaga ggaagctgct gaccaagttc cagaactctg aaaggaaaaa 240
 agcctggcgc tgagacggag ctggagataa ggccagacca cagacaccac acccagcaat 300
 ggatacagga catcacaccc agcaatggat acaggacatc acaccagca atggatacag 360
 gaccttggag aaattaggag ttgtaagcag gacctaggcc tgcttgattc tttccacct 420
 aagtgaggtt ctggagaggg agcccttcca cccttcaga cccagcaaaa gggcaaga 478

<210> 1486
 <211> 430
 <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> (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 ctctgcagg 180
 acaaggattc ctgcagctgg ctctgaagg 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

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 ataatgctca ttcgactgca gaactcagca aacctcgggg acaagggtgaa gccgggtccaa 180
 ctggccaatc tgtgtcccaa agttggccag aagtgcacat tatcagggtg gggcactgtc 240
 accagccctc aagagaactt tccaaacacc ctcaactgtg cggaagtgaa aatctattcc 300
 cagaacaagt gtgagagagc ctatccaggg aanatcacgc agggcatggt ctgtgctggc 360
 agcagcaatg gagctgacac gtgccagggt gactc 395

<210> 1488
 <211> 529
 <212> DNA
 <213> Mus musculus

<400> 1488
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 agaagtcctg cgtgtggtca gcctgcggaa gacacagact gcaccatttg ctcatctctc 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 cttcagggtcc 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

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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 tccagatggt ctgctttcac	420
ctaaaaggcc ctggggaagg gatacacagc actggagatt gtaaaatttt aggagctatt	480
tttttttaac ctatcagcaa tattcatcag agcagctagc gatctttggt ctat	534

<210> 1490

<211> 441

<212> DNA

<213> Mus musculus

<400> 1490

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aagaccata gaacatctta aaatttgtga tcttcacttg caaacaaaag aaaggctggt	180
tgatggagag tttaaagtat acaggaaaag ttccggaaat aattgtatat gctatggaat	240
ttgggatgat acaggagcaa tgaaagtggg ggtatctgga caactgacca gtgtcaactg	300
tgagattggt aatacaatta gacttgctctg ctttgaattg acctcaaag 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 gcctcctggg ggctgtgtc ttcattgctgc	120
tgccagcact ggtgctgtgg ggtgtacagg gtgactgcag cctgctagaa gccatctact	180
tctgtttcgg ctactcagc acgatcggcc taggagactt gctgcctgcc catggacgtg	240

gcctgcaccc agccatttac caccttgggc agtttgcact tcttggttac ttgctcctgg 300
 ggctcctggc catgttggtta gcagtagaga ccttctcaga gctgcctcag gtccgtgccca 360
 tggtgaaatt ctttggggccc agtgggtcta gaaccgatga 400

<210> 1492
 <211> 349
 <212> DNA
 <213> Mus musculus

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 <222> (124)..(124)
 <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> (271)..(271)
 <223> n is a, c, g, or t

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 ctacgtgaag gccctgcctg ggcattctgaa gccttttgag accctgctgt cccagaacca 120
 gggaggagcaa agctttcatc gtgggtgacc agatctcctt tgccgattac aacttgctgg 180
 acctgctgct gatccacca gtcctggccc ctggctgcct ggacaacttc cccctgctct 240
 ctgcctatgt ggctgcctc angtgcccgg ncccaagatc aaggcctttc tgtcctcccc 300
 ggaacatgtg aaccgtccca tcaatggcaa tggcaaacag tagtggact 349

<210> 1493
 <211> 422
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (301)..(301)
 <223> n is a, c, g, or t

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 cattgaatag tagctagggc tacataaggc actggctcaa aaacaacaat agaaaccatt 120


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tttgc tcaat ttgcatatat atagattact ctatgagcag tgctttgctt ctgcttaggt 180
gatacagctc gagtccttgat tttctat tttt ctgtaacaaa caagatttga aatgatttta 240
gaaattagac aatgacccca cttcctatct cttctgggtgg ttttctcttt tcttcttctt 300
ncttccttaa agcagcatta ttgagtgcct ttgcatcctg gaagatctgg agacattgat 360
ttaaataagt tgaatgcagt tgtattaata cagtatacaa atgctacctg gaagagttct 420
tt 422

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<210> 1494
<211> 498
<212> DNA
<213> Mus musculus

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<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
agaaacaaaa attcactggc tcaccggaac tcctgatggc aaaactgacc tatcagaatg 420
gtcacctgtt tatccagaac cctgactgg tggttttggc cttagcgata ctttcattct 480
gagtggatct gcttttgt 498

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<210> 1495
<211> 424
<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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gcaagggggg cagccgtcgt gacctggggg gcagctgctt gaaagtgagg ggtgtagccc 180

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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

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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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tgaggtccgc ccaggagcaa atcatcttgg cgccatcacc agccaagggtt gacatggcaa 180
tgactcagct taccaggagc aatgcagact tcgccacccg agatcggttac caccactcct 240
ccttcctgag ccggggagcag ttgatgcctc cctactagga cctcgctgga cccaccttt 300
ctagaagccg ctgtggagat gggggaccca agcctcagaa cctttggaag ttgcttctac 360
caataagana acccaagact ggtcttccca ccacancctt ngacnctgga aatcacattc 420

cgntctgaaa tggcatgtct agccagatac taggtatgac tatggcttcc acgtgtgccc 480
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<210> 1497
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<223> n is a, c, g, or t

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

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

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

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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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gccagctgcc ggactgccct ccagggacca caccattccg agacctgcag tgttctctct 120
acaatggcca ccctgtcctg gacaccaga aaacctacca gtgggtgccc ttccacgggg 180

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cgcccaatgt gtgtgacctc aactgcctag ctgaaggcca cgccttctac cacagctttg 240
gccgcgtgct ggatggcacc ccctgcaccc cgggtaccca gggctctctgc gtggcaggcc 300
gctgtctgag cgcaggctgt gacgggatac tgggctccgg caccctcgag gaccgctgcg 360
gcntntgtgg tggcgctaac gantcttgcc tgttnntgca gcgcgtgttc cgcgacgccg 420
gtgactgtcc cattntgant caccaccagc gcttgagaaa cacagtggag aggggtgtcc 480
ctttaacaag tttgntcct gggagccaag gctcttgttg attgggcttc ccctgattgg 540
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<210> 1498
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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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 <223> n is a, c, g, or t

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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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 ctgtatggtt tacctgaagg gaaccagaa ggctgccaaag ctccccagaa aggggtggggt 180
 tcaaagcncn nnnnnnnann agcctcattt ccaagaaccc caccatgtgg agccagtgtg 240
 gaatcaagag agacagggtta cccaatgaag gtgaggcncc nagaccaact ggatgggacc 300
 ancaaaccnt gcttcctcca ccctatgacc aatcaggaca tgacttacac tcaccacaga 360
 agcagcagca caacnaaagg tgtnatagta tttctttcca caatgnccaa cctgccagnt 420
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<210> 1499
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 <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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<222> (72)..(73)

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

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

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

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tgcgcggancc gnnaccggcc cggtgtgtac accagcctcc tagctcaccg ctctgggtg 120

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caaaggatcg ttcaaggggt gcanntgcgc ggggtacttgg cggacagtgg ggacacagga 180
agctcctaata ctaggatctg aagatgagca gcctcctgca attctctctg ctgtaaatat 240
gtcttctacc tccggggggc gcccgcggcc tgagcgagag aacaaggaag ttctggaacc 300
gccacatag aggatccgcc cctcaatcga ggantntgtg tgtntgtgtg tgtgtgtgtg 360
tgtgtgtggn nnnncntntg tgtgctgtg tatgctgctg cangtgcgct cgagagcaat 420
gatttttttt ttacagtta tacgtaacca tgccacata ttattccag tt 472

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<210> 1500
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<212> DNA
<213> Mus musculus

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atctgtgcat cttgttctct tcatttaatg ctgtactgtt ctgctgagct ctgagggact 180
atcttgagag atgtaatgga aggaaagcgt ggtgttaatc tgcgtactgc ttaagacagt 240
atttcataa tcaatgatgg ttcatagag aaactaagtc ctatgaacct gacctctttt 300
atggctaata 309

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<210> 1501
<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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<223> n is a, c, g, or t

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

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

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

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 agccttgtcn tgagccangt cccctcctt cattccagca gaaatgccct cctgtgcaac 180
 ctctccacc ctgccagcag aagtgccac ccaagagcaa gtgaagtctt cagcagtctt 240
 cagnacaggg gaaagagnaa aagaatctat ttcangtcat tccatagcna cacnttntnt 300
 tcntccaaa ntngacatg gatgcagnag aatnttntct acccttcacc tanttccata 360
 tntcagtgat gacctctaata agtaatgaa ttgcccagag actataatct tgctgctgta 420
 aaggggntct agagaatggg tcttggtcca ttgttcagta tgacatTTTTT caaatntntc 480
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<210> 1502
 <211> 560
 <212> DNA
 <213> Mus musculus

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 <222> (184)..(184)
 <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> (498)..(498)
 <223> n is a, c, g, or t

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 aacctgtcct taaagaaggt cagggtgtgca 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 gagtgtgaagg actttgtttc ttgatggaac tcccctgtga ttgcagtaaa 420
 ttactgtgtt gtaaactctc 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 gagaggctctg tgctgacccc aagaaggaat 240
 gggtcagac atacattaaa aacctggatc gg 272

<210> 1504
 <211> 403
 <212> DNA
 <213> Mus musculus

<220>
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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 caggtttagta	180
atgcttggat ggatgtgtca caggatcagt tatatgatgc ttgggatggg tcccgggcgt	240
tgtgcatgtt aggcaaagt tctgccgacc gagctatatc ccaaaccaaa gatttcttta	300
aaaagcagtt ctttccatgt caactttcta atccaaatta atattattca aacattgatt	360
tttgccacaa tctgataaaa ccaacttttag 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 cacaggctgt gcctactcaa gaactctaca acaagctgct	180
gtgcctctgt taccgaagag gttttgtaaa gagaggtaca aggactatt tactgggaga	240
atgctctgtg ctgggaacct ccaagaagac aaccgtgtgg acagctgcca gggagacagt	300
ggaggaccac tcatgtgtga aaagcctgat gagtcctggg ttgtgtatgg ggtgacttcc	360
tgggggtatg gatgtggagt caaagacact cctggagttt ataccagagt cccgccttt	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 tcacaggga ccacacagag ataagacaga gacaaaggtc	120
acaccctgac ttcagccata tcaacggcac tctcagttca ggcttcctgc aagtaaaggc	180
ttgggggatg ttggtcacca gcctggtggc ctttcaagct 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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<223> 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

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

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 acccagccag ccaaggccgc ctggcccgaa tcctcctcat ggcctctacc ctcaagaaca 180
 ttncaggca cccttctggn tagantctct tcttccgccc tatcatggga gacgttgaca 240
 tctactgaact ccttgaagac atgcttttgc tgagggtgacc cgtggaatgg agtctggtgc 300
 ctccaaaggg gagcctgaaa ggcagccntc aantcccctg gagctgcctt nagntcagcc 360
 acaccctag ntngganttc cttgctttgg atacagtgtg cantactaac tgtccagcaa 420
 gcccttgatg antccccaaa cctncaggcc aaaatgtntt tccctgcctg ggtaggggatg 480
 ggagcaggaa gctgtacttt caagccagaa tccctcctga ctttgtacag aa 532

<210> 1508
 <211> 291
 <212> DNA
 <213> Mus musculus

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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

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 caatcactga gaagattctc tgcacataaa tgccttaaag tttctttgac cctgtcaact 180
 agggcagggtt gtccttttagg cttgacgcc tcatcatttc aacgggctcc agggctctctg 240
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<210> 1509
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 1509
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 aagttagatc ttacttctgc tgctgttgct gaaatgtggc tttggcatgg ttgggtttca 180
 taaaactttt tggccaagag gcttgtagt atacatccat ctgttttagtc atcaagggtt 240
 gtagttcact taaaaaaaaa taaaccacta gacatctttt gctgaatgtc aaatagtcac 300
 agtctaagta gccaaaaagt caaagcgtgt taaacattgc caaatgaagg aaagggtgag 360

ctgcaaaggg gatgggttcga ggttcattcc agttgtgacc cgagcgtccc caaaacctgg 420
 gatgca 426

<210> 1510
 <211> 411
 <212> DNA
 <213> Mus musculus

<400> 1510
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 tatggccttg gtggctttgg tggctttggt ggcctgggat atggctatgg ttccagctat 120
 ggccttgggg gctatggtgg ctatggctac ttcagtcctt ctttctatgg aggatatttg 180
 tcttctgggt tttactgaga aaattattat cacttcagaa ctctgaacat tttttgtcaa 240
 tcatatgatt ttctgaagaa ggtaccacca tgctatggtg ctgtttgaat ccatgggcac 300
 ttaggtccct ggatagggat cgcattacta aaatggatat gtgtcagcaa ctcttgatta 360
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<210> 1511
 <211> 450
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (383)..(383)
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<220>
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 <222> (396)..(396)
 <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> 1511
 ggacactgac gagatccaga gctatcaata cctcagttac gcgaccttag aggtttcttc 60
 atttgtttgc ggtgtgtcct gtttttcctt cctttttctc tttttaaaga ccaacttcct 120

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tttggtggct gtgtgaagag agtcccctaa gaggtgaaag aaaagcctgg ctctgttatt 180
gtccccggag cggtccttgt tgcattgcct ttcacggttt ccccttacc 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

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<210> 1512
<211> 442
<212> DNA
<213> Mus musculus

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

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<400> 1512
aacacctcct gccatggtct ttttacctga 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
gccctaaag gaggtacaga tagagactct atgccgtgtg ggctcttgag ccatcactgg 300
caagaagttc gcctggtgct gggtagagga cactcagtgc tcagtagctt gaaggcacag 360
tgggagactt acagagaaca tctggaggac ttgtccaggt gctcagttcc ttggctccag 420
gaagtgatgc tgaccctaga cc 442

```

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<210> 1513
<211> 550
<212> DNA
<213> Mus musculus

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<400> 1513
ttgaggcacc tcatagagac cccagtgcgt tatcaggagg agtttgaagc tcgaggctta 60
gaagactgca gactggatca tacactatac gactgcccg ggccaaccat cgaggacctg 120
agtaaagcca gaggcgcagg cagccacag gctctggcag aggactcagc ctccacggag 180
aagccacccg gagaaggcaa atcccgtttc cagatcctgc tggatgtggt ccagttcctg 240

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```

cccgaggaca tcatcatcca gaccttcgag ggctggctgc tgatcaaggc acagcacgga    300
accagaatgg acgaacacgg gtttatatcg cggagtttca ccagacagta caaactgccca    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

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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

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

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<400> 1514
gttggttgcca atccagctgt tgcaagccct gctgctgcca atccagctgc tgccagtcca    60
gctgctgcaa gccctgctgc tgccagtcca gctgttgcaa gccctgctgc tgtcagtcca    120
gctgctgtgc tcctgtatgc tgccagtgtg agatctgaca ctttccaaga agtacctcta    180
ctattccttt acttctgtag tctaccttct ttggaagctg tgggattata atgactttcn    240
tactcaagtt caaggcttcc ttntccagcc cttgatggga aggagcaa at cactgccctg    300
atgctttcct gacaggctca cattgtaant tagtccccag attctttaac ctgtctttct    360
cacattccct actatgtcta accaggcttg ccatcataaa                                400

```

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<210> 1515
<211> 457
<212> DNA
<213> Mus musculus

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<220>

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<221> misc_feature
 <222> (304)..(304)
 <223> n is a, c, g, or t

<400> 1515
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 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 ttccttggtg actatcttca 300
 tggntacctt aaaataatct catctctcca ttagaaagta acaagctgga gagatggccc 360
 agcagttagg agcaacggct actcctccag agaaccttgg ttcagccac 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
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 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
 gtaagggtgcc atttacaggc cttccttggtg tttccagggg agagtgtggt gccaaaaata 60
 tgagggtcctc tgttggccag cgaaggaggg aaaaacaggt gcaccagggtg gaatttgaga 120
 taaagcaaat aagtttgatt gtcaaagtag aaatttaagc ctggaagggtg 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 gggcttggtc ttcagtttgt ggtgttttga 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

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cttttttttt ttttttctca catccatcag tgataagcat tgctctagct gtggccacat 120

acactttctt gtattttcct aggaaggtgc agagttagaa cagcctgcct tgcggtgagc 180

tggaggactg actccttggt tgatgacact tttaacagta ttgacaccgc ctcatagagg 240

gcttgggtctc agctctgctc atccctgccca cccttgggtgg ccttgctcca acctgtgttc 300

ataancccnt ggcagctcct atccagcagc agtcacggga anccanccct tcccatcttt 360

aagtatactt ctccacaggg aactgggaga gaancaactt acgatgtaga aaagctataa 420

agggantcct ctgcgtcact aaagtaattt 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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 cgggtatgtaa atctatcact aaagatgtcc ttctctgggg tgttctgcca tcacatttcc 120
 accgacagtg aagctgtggt cttctaaact gtaaataaag acaatgcttt tgntatttat 180
 tttttttttt 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 ggcattgttat aaacatgata aaaatctgaa catatccatg 60
 gaacacagct cctagggcct catgctatct gcagacattg gttcccaggg tagacaatgg 120
 gcagtgccca atgtgggaag gctctgtggt tgctggatga gcagagtatt tcattggaga 180
 ggagaagaaa attcccctcc aggcagaatn nataggcgag tgggcgttgc acctcccca 240
 ttgagagaac ttcttgTTTT ctttcatgct ccagcctact gtgtttcctt tctaattctt 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 acggcgggctc atcatcagca agaggctagc tcagtgcctg catcctgccc 180
 tgcccagtggt cggttcaccta aaagccctag aaacctacga gatcatcttc aagattgtgg 240
 gaaccaaagt gctggccaag gacttgttct tgtacagctg tggcttattc cccctactgg 300
 cctatgccgc catgtcggtc cggcccgtgc tgcttggcct gtatgagaag tacttcctcc 360
 cgctgcagaa gctgctcctg cccagtcttc aggccttcct tgtgggtctg ctgcccggcc 420
 tggaagaagg ctctgagatc tatgaaaggt tgggtggatat catgtctggg ctgcaggctc 480
 ttatctgtcg ggaacttggt 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
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 acttttagcta 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 atgaccaaac cccttaagaa acccgggtctg 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 gggctctgtcg 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
 tagagggtgag aaaccctatg tttgcaagcc atgtggtatt gctttcattt gtcagtcata 180
 ttcaaagaca caaaagaaaa cataatgtag acaaaatggt gagtgtatctt aatatggtga 240
 agatTTTTga atatttctag agtcttcaca atcaacaat 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 ctggattaa 540

ctcttttc 547

<210> 1525
 <211> 543
 <212> DNA
 <213> Mus musculus

<400> 1525
 aggatccttg actgttgccg cagggagaaa cccacacga atgctgatgc aaaacagttt 60
 tgggataaac attgccagta ctacaattgc atttgttggg actgttttcc tttctgtgca 120
 tttggcattc aatacccagg ctttcaaggg ttgccaatct tcaccgtcac ctgatgtctg 180
 catttccttg ggttcctcat cagatggcct ggtgtcttta atgctgattc tcaccctgct 240
 ggagctgtcc gtgaccattt ctatctctgc catgtggtgc ttgggaaatg tttgtggttt 300
 aagagaggca attacttcac ctcttaattc tgtggagtca ggaatacttc ctgaaggaag 360
 tgattctgag aacctgaaca ctacagccca agcttcagaa gagtgagaac ctcatattgaa 420
 aactcagcag aacatgaaca gatgaaatgc aatccttctg tcatggaaat attcacaaga 480
 aagctggcat ctgtcccaat tctctctcct gtaaattccac 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 tcaactgttta 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
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 gtgccccatc aaaaccccag gaagggtgta tgtgtcgggg gacatacttc tgatgagggtg 120
 ctgancattt tgtctgaaga ttcagatgcc agtactgttg aaatccatac tgcaactggg 180
 tcctgcaaca taaaggaagt tgactccatt tcccaagccc agggggaact ctgaaggaat 240
 gggatagggg tcagacaccc ctatitttca ggttctgtgt cttgttgttt tggattgtgt 300
 tcttgctgcc acaatgtatg tatgatcttt caaatccac tctggtcacc atagtggagt 360
 tcaactgaata tgtcctttat actgggagaa acaacacatc aggaaccttg aagatggaaa 420
 gttccctcta gaacagtcag tatcacctct tgactcttaa ttacccttg gactttttct 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
 <222> (309)..(309)
 <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> (326)..(326)

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

<220>

<221> misc_feature

<222> (383)..(383)

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

<400> 1528

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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
cagggctctga aaggggtgcc agagcaccgc ggaagaggcc gcgggcttcg aagagggcct	300
tttccctcnc agcccccgag cgntgntctg acccctatgc ggagaccgcg cccctaggac	360
taaggccagg aacagggacc agntcccca gggccaattc acccttggct cccccgcct	420
tctccagact cccctatcc cattttcaaa gatcaatgaa ataaacgtgc gcggactgtc	480

<210> 1529

<211> 573

<212> DNA

<213> Mus musculus

<400> 1529

tggccctttc ttcaacacag atgagttggg gactacagat tctcccctgc ctgagcctaa	60
tcctttcttct ttggaaccaa gtgccagggc ttgaggggtca agagttccga tttgggtctt	120
gccaaagtac aggggtgggt ctcccagaac tgtgggaggc cttctggact gtgaagaaca	180
ctgtgcaaac tcaggatgac atcacaagca tccggctggt gaagccgcag gttctgcgga	240
atgtctcggg tgctgagagc tgttaccttg cccacagcct gctgaagttc tacttgaaca	300
ctgttttcaa gaactaccac agcaaaatag ccaaattcaa ggtcttgagg tcattctcca	360
ctctggccaa caacttcata gtcacatgt cacaactaca gcccagtaag gacaattcca	420
tgcttcccat tagtgagagt gcacaccagc ggtttttgct gttccgcaga gcattcaaac	480
agttggatac agaagtcgct ttggtgaaag cctttgggga agtggacatt ctcctgacct	540
ggatgcagaa attctacat ctctgactgc tga	573

<210> 1530

<211> 462

<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> (386)..(386)
 <223> n is a, c, g, or t

<400> 1530
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 ggctacatgc ccacggagat ggagctcatt gagatatcac aacagatcag tgggtgggaag 120
 gtggatttttg aagatttttgt ggagctgatg ggtcccaagc tgctggcaga gacggcagac 180
 atgattggcg tgagggagct tcgagacgcc ttccgggagt tcgacaccaa cggtgatggc 240
 tgcacacgag taggggagct ccgggcagcc ctcaaagctc tgctggggga acgcctcagc 300
 caacgggaag tagatgagat actccaagac attgacctca atggagatgg cctgggtgac 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
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 tgcccatctt gcccgagatg cccgaggtgc ccgaggtgca aatgcaatcc aaaataagcc 120
 tgcaattggc accaaagatc caaataaaca gcataaattc tgctgcagct gagcatggaa 180
 tctgggtcaa gataaccatg ttctttggaa cctcactatc tgtcaagacc cttgtttctta 240
 gccttgattg ctcttgcttc tccaataaac tccttcgaga 280

<210> 1532
 <211> 483
 <212> DNA
 <213> Mus musculus

<400> 1532
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 gagccgcaca cagctgagtt acagctgaat ctcacagttc ctcggaagga cccacactg 120
 cgctggggag caggcccagc cttgggaagg tccttcacac acggaccaga gctggaggag 180

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ggccatctgc gtatccatca agatggcctc tacaggctgc atatccaggt gacactggcc 240
aactgctctt ccccaggcag caccctgcag cacagggcca ccctggctgt gggcatctgc 300
tccccgctg cgcacggcat cagcttgctg cgtgggcgct ttggacagga ctgtacagtg 360
gcattacagc gctgacata cctggtccac ggagatgtcc tctgtaccaa cctcaccctg 420
cctctgctgc cgtcccgcaa cgctgatgag accttctttg gagttcagtg gatatgcctt 480
tga 483

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<210> 1533
<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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 <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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 <223> n is a, c, g, or t

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 caagaggaag tacgatactc ccaaacccaa gaagaactga atgcagtttc ctcggccctt 180
 ctctcccaag aaaccagggt ttttctagac tccagagggt gtcaanaang tgttctcttg 240
 gcccttggcc cgtggctatt ttgtcctgaa tcttaccncc gaanctcaan ccagaatgcg 300
 aggggncagg cctggaagtt nggagagggn cctccccgtt gtcactgaan gccatataga 360
 caggacagcc cttagccaca gcttcagggn cttgagggtc ccaccaaggt gctgttggtg 420
 tattattagc aatgtgaact ctttgggggtc caggaggggn cnnntgnat actgtctgac 480
 acccccatcc cctggcagct cctctcaaga gggtag 516

<210> 1534
<211> 519
<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> (125)..(125)
<223> n is a, c, g, or t

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

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<223> 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

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ngggnggagg ggggagacca ggggagacag gcacagagag cgcagtgttc taagggccac      180
acagcacaca gctctgtcac tacccaagct tacacctcca gtcttggttc nngnctngnn      240
ncnnnnnnng gcctagggga cgccagaggg acaccccagg ctaagggttc ttccccacct      300
tcaacatttc cctgggccac agccaccaat ctcggccag aatgtacaca acgctagctg      360
ccncnctttc caccctgtgc accccgaatc tgcccctatc cccttctctg cttcctgcac      420
tgcacacctg ctagtcccag acccctcccc ccagctcccc cagctccggt tccctcaacc      480
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<210> 1535
<211> 496
<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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<220>
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<223> n is a, c, g, or t

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<400> 1535
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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 cttttttcta aattccnagt tgcacatctt      360
gagcggagag aatcaaggcc tttacaagt ttctattatg gaanaatttg ttttaaagt      420
ctttaaatgg attcttctga aaatgttata attttgggta attgtgtgta gtaactgaga      480
ttgtcttttt cctctt                                                         496

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<210> 1536

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<211> 385
 <212> DNA
 <213> Mus musculus

<400> 1536
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 tagagtgttc tagtctgatg tatgtggggg 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 ctctgtgaag acagg 385

<210> 1537
 <211> 478
 <212> DNA
 <213> Mus musculus

<400> 1537
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 tcgagagggg tttttgtttt ttgatcttaa attttggttt ttgggggtttt tttatgtttt 120
 taaatTTTTT aaggatttca taagaaaaat tacttaacat gtatgtataa tttaggagtc 180
 atttaaagaa aatactcttg ttagtccttc aaagtcaagg aattctgaga agccccctaa 240
 tgtgtcctcc cctagctata acccctctag ctctttttcc agtcttttgc ttttctctgc 300
 attccttgat ctgttgtggt gggaacataa ctgtgaagcc gcagctgctg cctgcccaga 360
 gcagccgcgg gcaagggctg cttcaaggct ctgagcacat agactgggct cctttctatt 420
 gctgggcccc ggggacaggc agttcttctg agaaggactg ccctcatgag caggacca 478

<210> 1538
 <211> 527
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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<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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gtaccagtag acattgtttt aattcaataa tattgaatat tagcccttgg tcctctccaa	180
gagactggag tggaactttt gatggacctt acaggcaagg ttagtagacc ctgaggtcac	240
ttgtgacgta agatgctatc ctactgtgtg ctcagctttt aagaaacngg tgtaaacagt	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 cttcttttcag tttggaagag ctagctcttc agtgcccgt	300
ggcttttatag ggtagctttt aatttggatt tatctggggg catttctcag ttaaactctg	360
gctgggtcag aatatccagg aatgaaattg gtttttcctt 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 gtgtagtggt 120
 catgaaaagc ctgctgtgtg gtaggacctg tgtagacctg tgagggttaa tgtatgtaat 180
 cctttcagcc cgtggatgag gatagagggt aatcactaga cctaaaggag ttgcagaatt 240
 cctgataagg acggtaggcc agtcagattg gtggatggca gaaagccaca tggattatag 300
 acctccagtg cagaggcca 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 aggggtgacac actctgggct gcctgttcaa 240
 gcttttgatg gagggggggc 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

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accatcagta tcccagcagg agcagtggac tcgccgccat atgcaccttc tccgngggct 120
 atatattatg ggtgtgctgg atacatcatg tcaccggcat gtgggtgtac cttttcctgg 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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 tgaagctggt gcaacagatg tcccgggtct ggaaaacaga tggcttatcg agttgttctt 120
 acagattact ctctgtggag cacaaccctt tatatgccaa catcacagtg gatttctgga 180
 ctgctgcgtg acccgagct tttgatgaca ctcaggactg atgatttgac tgtaataatt 240
 ttggcctaga gattccata gtagcacaac gttaagaact tgttccaact aattattagg 300
 ctgaaatttt tccattttct cagcagagct cttggttatg taaatgtaga accatagtaa 360
 caagacagct tttcttggtt gttttgaatc atggctgtga agtgttgtaa cacacgtact 420
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<210> 1544
 <211> 376
 <212> DNA
 <213> Mus musculus

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 <222> (289)..(289)
 <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> (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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 <221> misc_feature
 <222> (346)..(346)
 <223> n is a, c, g, or t

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 accaactcac tgatcctcca aagggatcgc ctccgcccat caggccggga tgggcggacc 180
 gctactttcc ccggctgcgg ctctgcctcc cgggcttcta aagatTTTTT tccccttctg 240
 ggTTTTgttt ccggccagaa gctcccttag ctgggagtga ggaggagnc tgctaaaact 300
 ccggaggatg ntntcctac acanaagcaa aananagntn aaagtnaccg ttattgttta 360
 caaagcgcg c ggttta 376

<210> 1545
 <211> 372
 <212> DNA
 <213> Mus musculus

<400> 1545
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 agtggccac 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 atcctcagt 300

tcattctgtag gtggcctttta 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

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nggctccac cggcagtatt ttgataagca tgcctataca ttgactgggt atgccctgga 240
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tgatgtgact tcccatctaa ggatgcaacc agaccagca caaggacaca agggaacatc 360
tgttataata accaatggaa gttgatgttt ttctaaaata ttttgttctt caagggctctc 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 tgggtgggcac 180
tgccagctcc ttggggcatg aacagagatg cagggagaag atgacaccag agtccttctt 240
aaaaatatta catgttttat tctcccatcc ccagaggggtg gtttatccag aaaccaagaa 300
aataaaaaatc aatcagaata aactcaaggg ggcgagtgga gagaaaccca ttaacgacca 360
ggcaggcagg ccagcagcct gcctccacct cagaaggctc ccagagacct ctgcccaccg 420
ccacgagggg aaaatcagga gggactgggg agggcattga atcagctatg tcttcattat 480

g

481

<210> 1548
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 <212> DNA
 <213> Mus musculus

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

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 ggccagggtgt acaatcacct tgccaatgcg ggccggggttc 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
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<210> 1549
 <211> 138
 <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> (74)..(74)
 <223> n is a, c, g, or t

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

<220>
<221> misc_feature
<222> (231)..(232)
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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> (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

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<221> misc_feature
<222> (260)..(260)
<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> (331)..(331)
 <223> n is a, c, g, or t

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

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 tcagcaagca cttgttggca tccacaatag tgtctgggtt tggaatcttc aggattttta 180
 agatacacat ggatgggcta tnttctttgc tctgagtcca gnattttttt nnttttngtt 240
 tngtttattt nattaatttn gaagatttct cacaagtgc cancagggtt tctgttggat 300
 cttttgaacc tgtaagctcc aaccatttt ntcgcctata atactgttat taaggggtgg 360
 agagttagga aatttaaggt ttcaattgga caagggtggca 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 acaccgtca 120
 tggtggtggg cacagcctgg atcttctgc aggggtgtcta caaccagccc ccactccagc 180
 ctttccctgg ggacccttc tcctatagcg aacaggacaa gcgcttcac tagagcaggc 240
 atgagtagac agccaggcag agagcagtct gagaacggca cgtagttcct gcccttgagc 300
 ttgtgcctag cgggtgctgt gtggctgggc agaggccatg gtcgggagag ctcccttccg 360
 gaaacaattc ctttctaaat aaaggaggga gacattgag 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

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ggatgttgct gacccaaca aggtcagagt acagctccgt aagcagtacc tctattacca      60
tgaccacctg atgaatgtga gccagatcat cacacacccc gacttctaca tcgtccagga      120
tggggcagac attgccctgc tgaaactcac aaaccctgtg aacatttctg actatgtcca      180
ccctgtcccc ctacctctg cctcagagac cttccctca ggaacgttgt gctgggtgac      240
aggctggggt aacatcgaca atggtgtaaa cctgccgcca ccatttcctt tgaaggaggt      300
gcaagttccc attatagaaa accacctttg tgacttgaag tatcaciaag gtctcatcac      360
aggtgacaat gtccacattg tccgagatga catgctgtgt gctgggaatg aaggacatga      420
ctcctgccag ggcgactccg gaggacctct ggtctgcaag gtaga                      465

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```

<210> 1553
<211> 315
<212> DNA
<213> Mus musculus

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```

<400> 1553
gatcacatcc tacaggtcag ctgagcccct cccaccatag atctttgctt gtcttgctc      60
ccagtcctac caaatatact cttcatacta tggctatgct cgtctcttcc gctaccttga      120
gcatatgagg cttgtgggac ctttgaact tactattcct ttgacctgga aatgcccttg      180
ctttgaacc tccatcagat tcgttttcac cattcagtga acagccctgt cattgtcaca      240
gtctcccctg gccatcccca ctactctgtc atagaactaa ttttaattat tttcggagtt      300
cgttcgtgct ataaa                      315

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<210> 1554
<211> 228
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

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<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 agtccctggt agggaccaac ccctgtcctg atttcacctc acccagaagt 60
 gaaccagca ggatcctggc actggcaatg gctgtaccat gcttttcctt gtatatggat 120
 aggctgtagc ctgtgttttg aaaaacaaag ttgtgttcag cataagaaaa gattatacat 180
 ctgaggtgac acctagttagc tcatgggtact gctgctggat ggacctattc tcagtgggtca 240
 cttggctcag gtcatactgt ctcaggaacc atctangtta ttcccagtgt cctgtgaggt 300
 aagtgtctca tcacacctat tctgcagctg tgtanacca cagcttagag aagttgagtc 360
 tgatagcaag aggctcctga ggcacatctg tgacacttcg gcatgagctg tggacattgt 420
 gccttcctgc ttgctgcttg ctcattgtgt cttttc 456

<210> 1556
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 1556
 atgcccacct cagctgtagt tgtacctgcc acggggccgg cccctcacag tgcgggggcg 60
 ggctgtctaa ggatctcagt gaaggaggtg gtgtttgggt ctctcactgc tgcgctggtc 120
 ctggccacgg tgctgctgac cctgagggca tggcgccgag gtatatgccc cactggaccc 180
 tgctgctacc cagccccaca ctatgcccc gctcggcagg atcaggagtg ccagggttagc 240

atgctgccag cgggggttccc tctgtcccca gacctgcccc ctgagcctgg taagaccaca 300
 gcgctgtgat gggaggagcc tttctagcta ccttcctgcc ctccttcaca cctcagactg 360
 tcaccagccc tcagctctgg tacaccatc 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 accattgggtc accacttaat aattctttaa ctgactagta ctgacttttc 180
 atacatgacc gtctgcctaa ttcattagta attcctaaat agtgggtgac atacattgaa 240
 gaagcctttg aaaatgaaat cttttctgtt gggcattcac attgctgagc aggccttggg 300
 gatagaactg acatctgcaa cttgaatata cctgaggctt tgtgtggctt gtaacagaaa 360
 attcaagtcc taaccacag ggcaatgtgc aagatggggc ttcacaaggg aatctctgta 420
 tgttgtaggc tcaaggctcc agcttcttta gcacaaatgt tcatggctgt gctccagcca 480
 ccaagaagtg aggaagttgt actgtgatgc cacaagctt 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
 aggaggatgc tgtccttact gagaaggtga actgggtcgg ctgccagggc agtgagccac 60
 acttccgggg gtttccctgc tcaactgtggg tcctcttcca cttcctgacg gtgcaggcaa 120
 accgatatag tgaggccac ccacaggaac cagctgatgg ccaggaggct ctccaagcca 180
 tgaggagcta tgttcagttc ttctttggct gtcgtgactg tgcggaccat tttgagcaga 240
 tggctgcagc gtccatgcac caagtgagaa gtcccagtaa tgcgattctt tggctctgga 300
 ctagccacaa cagggttaac gctcgctct caggtgctct gagtgaggac cccacttcc 360

```

ccaaggtgca gtggcctccc cgtgagctgt gttctgcctg ccataatgaa ctcaancgga    420
caggtgcctt tgtgggacct tggtgccacc ctcaactttc tcaaggctca cttctcccca    480
gcaaacatcg tcatagactc ttctgcat                                         508

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<210> 1559
<211> 247
<212> DNA
<213> Mus musculus

```

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (116)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

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<400> 1559
gggctggagt ggacctctc actgcattct gagactgtcn actcccctcc ctcacgacat    60
gaagaaaaag catccctccg gccttctctg gcctggccag cttcagcacc tcaggnntg    120
ggtggggcctt agcttcaaga atgggtctgg gagcctcagn aaatgattct ggtcaccag    180
gttcaaactg gggtttctgc tgcaagagtg tngtttggca ggctgggagg gtgacagttg    240
ctgcact                                         247

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<210> 1560
<211> 536
<212> DNA
<213> Mus musculus

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

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<220>

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<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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aagtaatgaa atccccctcca cggatgttgc tgaccaaagc aatcgggagc atctctcggt      60
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
atttgagggg tntctggtgg aaatgggtaa tntccgagga tntntncanc ctgcttgctn      360
tgancgtgga ctggggaacc ccaaggcaga ggcaggggtc aggagctga gaagcnagca      420
gaagaacaca cttagattca ctttctgttc ttacaatagt tcaaatatag aatcgaagtg      480
aaatntcatt ggattatncc tctctaataa aaagcgagct gtttgactat acggaa          536

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<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

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aaagtttgtt ccatgtttgg ctgaagtatt ttttaaaga acctactgat gggagcacia      60
aagtccttga gcccacagat caccaaggaa accaggaatg ttaatcacat agggttgact      120
cccaaagaa ggaaatccat acctgtttcc caccagagg actgggcgtg gatgttggtta      180
atgacctggt gacctttgct attttagtag ccagacctca ccaaagtgc 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

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<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 ggagcccat tatataggcc cttccaagaa 60
 tccagaggct gttaatgctg tatgggacta tggctctttat 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
 aagggtgtag tatactctaa atcgcaggga gggtcatttg acagtttttt cccagcctgg 120
 cttcaaacta tgtagccgag gctaggcaga aacttctgac cctcttgacc ccacctccca 180
 agtgctgggc ttcaccaggt gtgcacctcc acacctgccc ccccgacatg tcagggtggac 240
 atgggattca tgaatggccc ttagcatttc tttctccact ctctgcttcc caggtttcgt 300
 aacctgaggg ggcttgtttt cccttatgtg cattttaaat gaagatcaag aatctttgta 360

aaatgatgaa aatttactat gtaaattgctt gatggatctt cttgctagtg tagctttcta 419

<210> 1566
 <211> 569
 <212> DNA
 <213> Mus musculus

<400> 1566
 agctgctgct gtgatctctt gtgtagttgc tctttgtgtc ttagggttca gtctgactct 60
 gcaaaggctt ggccccgcca gcacagatct cagtttttgg ttacagaaat tttggattct 120
 ggactgaata gatgacttag aagttaaggg cactgacctg cacttccaga tgacctcagg 180
 tcaagtctca gcaaccatat ggtggctcac agctgtctgt gactacagtt gcccggttcc 240
 taacaccctt acacagacat gaatacagac aaagcacata aagtaaattt ttaaaaaaaaa 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
 gaaagcgga ccttgcgcca ggagctggca gcggtgtgct atgagacaaa tgtcctaggc 60
 ttcaaggagc ctcggaagat gagtgtgac gtcccaggca tgaacatggt tcatgagaga 120
 gtctgtatcc gccccgcaa 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 cccccactg ccnttaggtg gcccagtcg 480
 gagtggagct tgcttgctg 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
 ttgccatgc cctgcagaaa ataaagtcac gaacagaaag tgacgtcata gacagannnn 60
 acttaggagg tcaacaaaa aaantctgct gatagaagta tagtaactgc ttcttttccc 120
 tgaagaagaa aagttttatt tgcaatgtca gcttttaata tattttccta acatagtgga 180
 ggatcaccaa ataaatcaat ttctctgaaa tgaaagtata ttaaaaccca tcagtggtag 240
 atccttcaga gtcacatttg atttagatat ctgagacctt caatttggtt taaaatgtaa 300
 ttctctcagtt ctcatcaaca ttcatcaaat ttgggactca tatcatttgg gctctgtctg 360
 ttcatTTTTA acctctcagg taagctctga tggaatacat attgcttagt gtaaaatgtg 420
 agactgtcat cggaacaaa ttattccatt cagtacagat tgtaatctac aaagcttagt 480
 ttctacattc attcattatg gctctgagaa ctactttggt 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

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gagtggctca gcaatcctca gactagagtc caggaatgga cctgctggat tttaaaaatc 180
tccctctaga gggcgcgcaa gaccacggt tttgtgcctc atttccgttt gccttcatcc 240
ttcatcttac gcatgtgcag agtttatttc cgggctgctc gcaagggccc ctttggatgg 300
cgtgtagggg tcatccactg c 321

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<210> 1570
<211> 485
<212> DNA
<213> Mus musculus

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<400> 1570
atgccagtcc atatccacat attttataga cgccaaaaat aggtgatatt tcctcaccta 60
tggttaactgc tacctgattt ttttaaagcg tgatttatac ctatccatcc tcaatgacat 120
ggttagttct ggggtaatag gaaaaactac agaacctacc acaaagtata cctcaataag 180
tcctctagct ctgcttctca aatctgaaga gtgtgctagc aggataataa tttttaaaact 240
acctggttaa ccaaaacaaa aagcagctga ctatgtgtga tttcctgata gtacatcatt 300
tcctggtacc tttgtgccag aaatgaatga agatttggat tttcctaata actcctatca 360
agagtgtagt aactcagtgt tcagattata ggagaacctg aatccacaag ttaactgtga 420
ttcgcatttc tgttactgtg acacactaat gtgacccaaa aactggctta tccttgagtg 480
tttac 485

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<210> 1571
<211> 567
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

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<220>

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<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
 tgcaaagtgt ggggttcctcc tacttcctca ttgacaactg gacagaacaa gctgcctttc 60
 cagaagttag aaacagggca cccaggggtct gaaccatctt tccccaagga aggtaattgc 120
 ttttagggga agtgtcaaaa tatccaggaa tcctttccag aatagtctgn ctgtgtatac 180
 acgcatggtc tctctttgt aaagacgcat tgaccagacc ctggaacaca gatctgactc 240
 cagaagatga ccagctctgc tgtggatata gaagcacgct tgcctctgtg tcctggatat 300
 gatggcctca gatgctgggtg tgcaaaactg aaagaacagg aggttggtc tgcttaggggt 360
 ggaaagtagt gtgatcagca gctcataggg ggagcccttt gacagggagg ggccgaggaa 420
 tggctttcca gaggtgcac tgatgccct 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 cctcgggccc cagttgctgc cgccgctccc agggctgtgg ctccatacaa 60
 gtacgcctcc agtgtccgca gccacacccc tgccatccag ccgctgcagg cccccagcc 120
 tgcagtccac gtccagggtc aggagcccct gactgcctcc atgcttgctg cagcgccccc 180
 ncaggagcag aagcagatgc tgggggagcg tctgttccc cttatccaaa caatgcattc 240
 aaacctggct gggaaaatca ccgggatgct gctggaaatc gacaactctg agctgctgca 300
 catgctggag tcccccgagt ccctccgctc caaggtagat gaa 343

<210> 1573

<211> 366
 <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> (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

<220>
 <221> misc_feature
 <222> (253)..(253)
 <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> (280)..(281)
 <223> n is a, c, g, or t

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

<400> 1573
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 ctggtttctg ctccagtatg ccctcaggaa aggtgacccc aaacttcgaa tgcacatcat 120
 tgacaagttt ctcttattgc ctttccactc tggatgggac cctgaacatg gaggcctctt 180
 ctacttccag gatgcggatg gtntctgccc taccagctg 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
 aaggcatggc gcagactaga ggtacgtttt cccacttgaa gatcagaatt aaaggaagac 60
 ctgccaaactt caagttaagc aaaaatccct cccaggtgtg ccctccattg ttagatttta 120
 gttcaatcca gatggagtca agttgacaac caagaatggc caccaccggg gacactccgc 180
 atctgaacta tatactaagc ttcataatttc agacgtgttt cttaatgttg ttggtgtctc 240
 cagccctcgt agtgttttga tcgtattctc tgcagtttag catgccagtg tttcctgtcc 300
 ttcacgtaaa tgcctttgtg tgaagcttgc ttgacacccc gccccaccc cactctcaa 360
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 g 421

<210> 1575
 <211> 437
 <212> DNA
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<400> 1575
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 tcctgcctgt accaaatgcc gccttctggg cctcggcctt tgatcaagat ggaagagggg 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 gcacgcctcc gggaccgctg 420
 ctggaccgcg agatgaa 437

<210> 1576
 <211> 467
 <212> DNA
 <213> Mus musculus

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

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 tcgagaggag gtgctgaagc aggacctgga gaagctccag agcatggaac agcagcagcc 180
 cctgtttctt cccgcgcaga gggaggagct ggccaagggt cgctcctgga tccacagcca 240
 cacagcccct caggagggac acctccagag ctgtgtcgcc tgtgaagaca gaggttcagt 300
 gggtgacact gcagaggtcc tggaacagcn cccagcagaa gacaccagtt gagcagctgt 360
 aaagatgtca caccctctcc aggtcacgtg gnacacagag ccgtgcgtta cctcaccaca 420
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 <212> DNA
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 <223> n is a, c, g, or t

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 gttgtcactt gaaaagagaa aggaccaacc ggccccacc ccacccacc cccgcactg 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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caaggggctg cctgcacacc accgccctcg ccgctgcacg tgcttcactt acaaggacaa	180
ggagtgtgtc tactattgcc acctggacat catctggatt aacactcctg aacagactgt	240
gccctatgga ctgtccaact acagagaaag ccttcgggga aagaggctct tggggccagt	300
tccagaaagc tcccagcctt ctccgtggac acgcttgctg tgtacttgta tgggggcgga	360
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<210> 1579
 <211> 421
 <212> DNA
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 <223> n is a, c, g, or t

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agctgagctt agctatgcct tctatggatg ccactgtggc ctgggtggca aaggattccc	180
ccaaggatgc cacagaccgg tgctgtgtta ctcatgactg ttgctacaag ngcctggaga	240
aaagtggatg tggactaag ttactgaaat acaagtactc ccaccaaggg ggccaaatca	300
cctgttctgc aaaccagaac tcctgtcaga aacggctgtg tcagtgcgat aaagccgccg	360

ctgaatgttt cgcccggaac aagaaaacct acagttttaa gtaccagttc taccccaaca 420
t 421

<210> 1580
<211> 590
<212> DNA
<213> Mus musculus

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

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tacagcagga ccctacacgg tttcagtctg tgcactgcct tctctacca gacacccact 180
gggtgtcctat gaagaacagg gttgagggag ctttccagta actgccgact cctggtggct 240
gctctaccg gctccctcgg gccttagatc atgncgntca ncagaagctg cttgaaggcc 300
tcccacgacc tcggtcccag ttggacacca ggtacctctg gaaaatgaga caaccgggct 360
gtgctgccn gagaccgtcc aggaagagag aaaggcaaag atgctgagtg cctgatgcct 420
ttagcccagc cacaggctct tccttgaca aagtctacca cccagctac cccagagaca 480
gtggttccca gccagccac aggtccttcc ctggacaaag tctaccaccc caactacccc 540
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<210> 1581
 <211> 539
 <212> DNA
 <213> Mus musculus

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

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

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 acagcgaccc ctctcacat gaccatgtgc ctccctgacc tgaaggaaat ccagcgggct 180
 gtgacgcttt ggggtgagagc actgaatgcc agatcgggtct acatcgccac agactctgag 240
 agctacgtgt cagagatcca gcagctcttc aaagacaagg tgaggggtggg gagcctgaaa 300
 cccgaggtgg ccagatcga cctgtacatc ctcgccagg ctgaccactt cattggaaac 360
 tgtgtctcct cgttcactgc cttcgtgaag cgggagcggg acctccatgg gaggcagtcg 420
 tccttctttg gcatggacag accctcccag cttcgggatg aattttgatc ccatctgaag 480
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<210> 1582
 <211> 528
 <212> DNA
 <213> Mus musculus

<400> 1582
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 cagaaaattt cagttcggct gaagaggact gttgccaca agagcaccca aacagaatcg 180
 ttcccgtggg ttggtggcga gacgaccctt ggtcactttg tgctgtcttc tccaaggaag 240
 tcggcgcagg gcgctcttta tgtgcacagt ccagcatctc catgccccag ccagcactg 300
 gtccgaaagc gggcattcgt caagtgggag aacaaagagt cccttataaa accaaaacca 360
 gaacttcacc tccggctccg gacctacaa gaactggaac aggaaataaa taccctgaaa 420

gcagataacg atgctctgaa gatccaactg aagtacgcac agaagaaaat agaatccctg 480

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<210> 1583
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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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 nntcccaact gncctgcct tgccctccct nctctcacca ntnnctctgt gtgttgtggt 120
 ttgaatgttg gtttcatgtc ggttcaangc ctcacctcag tttccaggat gttccttccc 180
 cagcccctac cctaacagct agggaccaa accctggagg ccaaagggt gtaatcacc 240
 cctgtaccca ctggcaactt tgcccaccag cagggttgtc caccacccc cctccatgcc 300
 tgagacagga cctgctgggt cactctagcc tgtcctgaga acatctaaaa cagaggcaca 360
 atgaatgagg ggatgcttcc caggcagagc ctggtggctt agccaccata tcacctttt 420
 ctgcatggcc ctgga 437

<210> 1584
 <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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 ctttaacctc aactcacttt cttctgttca cctgtatttc ctcctttcca gaaatgcctc 180
 cgggtaanaa gggagagggtc cttacctggg caagggtggt aacatatgta atcagtcacc 240
 aaggaaaact agcatgtggg actcacttaa taagtagctt tgaatgcaa aactatgtat 300
 gcttttaaat accatcgatg tagctcttga tagttggctc gttgtgtgtg tgagtgtgtg 360
 tgtgtgtgtg tgtgtgtgtg tctgtgtgtc tgtgtgtacg tgtgcgtaaa ctaaacadat 420

ggctacatta tctgtgtggtt aac 443

<210> 1585
 <211> 124
 <212> DNA
 <213> Mus musculus

<400> 1585
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 aagaacactg gatgggtgtc cgtaaaattc tggaatttgg gaattaacat cctccacac 120
 caga 124

<210> 1586
 <211> 502
 <212> DNA
 <213> Mus musculus

<400> 1586
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 ctgtggagtc actcagtgtc tatccctga 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
 gaaaaccaa gataattaat ggtttcacca aagatgctat cgacaagcag cagaatgacg 360
 cagggctgta tgtcattgta ccataatta tttcctcttg tgcctactg ctcggaacac 420
 tgtaatttc acaccagaga atgaaaaagt tgttttggga cgatgttcca aacccaaga 480
 attgttcctg ggcacaagga ct 502

<210> 1587
 <211> 474
 <212> DNA
 <213> Mus musculus

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ctgactctca tgaagaaaac tcctgataat tctggaagca tggagtgata tgctgcgtct 180
gggaaagtct gtgtagctct gactgtccca gaattcaciaa 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

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<210> 1588
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<212> DNA
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gggagccagt gcagcagttg acacaggccc aggtggagca gatgcagctg aaatactata 180
actcggacat gcaccgtgcc gccttcgtac tgcctgagtt cacccggaag gccctcaatg 240
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cccaccaacc aagtgttaca ggccccatga tgctgcctgg cctggcctgg cctggcctgg 420
cctggcctgc cctgctgggt ggactcagtc tctgtctgtc tatctctgtg gcgttcagcc 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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 ttngcagtga cgggtgccatc ggccattact ccggaggagg gcaggctgtg aaggagtggg 180
 ttntggccca tgagggcatc ccgaccggac agccagcctc caagggcttg ggtctgactg 240
 ggacctggct caagtcactn ttcgagtcga ccagctntga gccgtntggc cgaaattgag 300
 taaccgtttg aatgacacat agangtaacg cgtgtcggaa gcggatgtgt ggtggcacca 360
 ctatatataa 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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acctcagggga agttccagag aaggaccttc gacttcctaa aaattttaga tcttctggag 120

aaggagtgtg ggaccccacc tgat 144

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 <212> DNA
 <213> Mus musculus

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 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 ctacgaccgc taccagagg aagt 404

<210> 1592
 <211> 368
 <212> DNA
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<400> 1592
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 actcaggctt ctatgtggcc atgaatcgca ggggccgcct ctatgggtcg cgggtctact 180
 ctgtggactg taggttccgg gagcgcatcg aggagaacgg ctacaacaca tacgcctcgc 240
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ggcaaggcag acggacacga cggcaccaac tgtccacaca cttcctgccca gtctttggtct 360

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<210> 1593
 <211> 549
 <212> DNA
 <213> Mus musculus

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 <222> (238)..(239)
 <223> n is a, c, g, or t

<400> 1593
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 nnnntttcaat cagtnnttaa tgagcacaaa gggacagtagt gagtngccna tcagcctggg 120
 acctaatctc tccatacnnc catntgtgct ttctgnttnc ngtgccgggct cctcctctc 180
 ntgtgtgtgg gtgtntctca aggggtctcca ntntntntnn ngggccagtt ctttcacnnt 240

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gagttctgga acctacttct ctaagttcct ggctctcgct cggccctagt gatctgcttc 300
tgttcatgat gccaccattc tgctgacctt ctagactgga aatctcagag ctgtctggtg 360
ggctctgtgc acttgaccct gccctctccc tcattctctg taatctggcc tgtctttacat 420
ttccagagcc tccagcctag cccatgcctc ttaacgtccc attcccaatg tgactttctca 480
gcatttctct ctggcaggct actgtgctct ggccttcctc tgctaaaagc cttcagagag 540
tctggctgc 549

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<210> 1594
<211> 596
<212> DNA
<213> Mus musculus

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<220>
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<222> (84)..(85)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

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<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 aggggtggact ccgtgctctt caagacccgc ctgccccatg 300
acaagaccaa gtgcttcaag ttcatttagg gccttgcnag ttctgaggag acnatgagca 360
gagcgagggg gagtcaccct caaggttccc aagggtgtcga aggtccttgg ggacatctgt 420
cgggcagggc caagaccctt tgctgggaga ggcagcagga agagtggaaa gggatagctg 480

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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	
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tgtggtcgtg tcttactgcc caccatcat 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 ctctaaaga cgaagactct cctaaatcta atggaggagg	480
gtggtccttt acaaacttct tccagaacaa accaaatgac taaccaggtc accctttgtc	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 ctctcgtct ctatacccca	180
aattactgta aaggaatctg tactcgggta ttaccctatg gtctcaattc acccaaccat	240
gccatcattc agagccttgt caatgaacta gtgaatcaca gtgtacctca gccttcctgt	300
gtcccttata attttcttcc tatgagcatc ctctgattg agaccaacgg gagtatcttg	360
tacaaggagt atgaggggat 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
 agaaacatct gttccctttg ggtgtcaatg tacactgctg attctgggtct ccatgcactc 60
 acggctgggtc tgggaaagtt ggaactactt tgggttatgg tgccctggaa ttgtttgcct 120
 tgctgaatag caaaagatcc ctttcccaa tgcacagcac ccactttctg tttttgttt 180
 gtttgtttgt ttttaactcaa aatcaagtga caaagatgtc tgctggagtg gacttataag 240
 caagaagcca ggcccaaaag gaagagccaa gaaggcctgc ggatgttttc ctgtcctgggt 300
 gtcagcactc accaaagaaa ttgacaatca gactatttgg aaggaagagt tttattcctg 360
 tagtttgttg gcttttctgt aagtcttgga aaggccttgt ggactgcaga aggcgcccac 420
 tgctggccag ggaggggtca ttgaggggtc tgagatgccg gggatggctc acctcaccct 480
 cagtttcttt tctaggagtg agctatgccg gagcagctca ccttgagttt gcag 534

<210> 1598
 <211> 360
 <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> (97)..(97)
 <223> n is a, c, g, or t

<400> 1598
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 gctcctgcct aatgaggact gtgacaaagc acatnanatg aagggtgacag atgccatgct 120
 gtgtgcagga gagatggatg gtggctcata cacttgtgag catgactcag gaggccact 180
 gatctgtgat ggtattctcc aaggtatcac atcatggggc cctgaaccat gtggtgagcc 240
 cactgagcca agtgtctaca ccaaacttat taagttcagc tcctggataa gagaaactat 300

ggcgaataac ccctgagtgt cacattgttc ctttttctca ataaagtcca ccatgttggtg 360

<210> 1599
 <211> 588
 <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> (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 ctcttgaatg agcacacccc acaacctgag gacgactaca gcaatgacct 120
 gatgctgctn cgcctcagca agcctgctga catcacagat gttgtgaagc ccatcacctt 180
 gccactgag gagcccaagc tggggagcac atgcctngcc tcaggctggg gcagcactac 240
 acccatcaag ttcaaataac cagatgatct ccagtgtgtg aacctcaagc tcctgcctaa 300
 tgaggactgt gacaaagcac atnanatgaa ggtgacagat gccatgctgt gtgcaggaga 360
 gatggatggt ggctcataca cttgtgagca tgactcagga ggccactga tctgtgatgg 420
 tatttctcaa ggtatcacat catggggccc tgaacctatg ggtgagccca ctgagccaag 480
 tgtctacacc aaacttatta agttcagctc ctggataaga gaaactatgg cgaataaccc 540
 ctgagtgtca cattgttccc ttttctcaat aaagtccacc atgttggtg 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
 gtattgtcca ctgaacacca agcatccccc actactttcc tgttttgaaa tatgctccag 60
 gcggcctctt cccagtctgt aagaccncgg tcatgtgctt gccaaactgct 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
 agagaagggt gagactccgt ccccgccac ggcctcagct ctggattacc ccagtgagaa 60
 tctggccttc atcgacgagt cctcagacac gcagagttag cgtaggctgtg ccctgcctcg 120
 ggctcctcgg ggtcgccgcc gacccaaccc atccaaaaag ctttcagac cccgggggtcc 180
 tgggcgactc cgagacaagg ccgtgccggt gtaggggcag gatctctgga cccggatccc 240
 acgccagggc tttcgctctt gctgatgctc aggcattgctt ggcttatttg accaaagagc 300
 cgtccctctt ttgttcacg tggttgcaac cctgacagga gtccagtggg tgccaaatgc 360
 caccgctctt ccctggctgg ttcttcacat ccaatcattt ccaa 404

<210> 1602
 <211> 553
 <212> DNA
 <213> Mus musculus

<400> 1602
 agctttgtct tcaactgttt ccaaattggaa agtaagaggt ccagaaagct gcctctaagg 60
 gctctcacct gccattgatg tcctttcagg cccaatgaca tggtttcctt ccattcctatt 120
 gcgtactgtc tgctaccag gtggcaagag caccttgagg gaagttacag gcagcttcat 180
 gctttctgtg ctgttcagtt caaaagcagg tgccttgaga atcctgaatt caagcactct 240

gtagaacatg gacagacaag atgggtcctt ctctggccat aggcattgagg gccagttgct	300
gaggactgct ctactacac ctaagtgcac aagtgataag aagttggaca gatagacaga	360
tagcagcagt cccattgctg tagccagaat gcacttattt cctgttctga ccctgcaggc	420
ccagcttttg gggaccacag ccatgttctg cacgggacct ctcaacctgg cattcatgcc	480
ctttcacgac ttagcaccgg cctgcccttc tttcttcccc acaactatac aagagctggt	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 tcaagtgggt	120
cacagagaa agcagttagt tcttgggtct gagaaccact tgtcccagta tgacacctct	180
tactatctca gcagcctgtg cagggtctct gtcctcagag ctccagacac cagcatccta	240
ctctcaagga tgaagtctcc agcctgtgga gccagcctag ctcttaactg tcaggctgac	300
ggacacctcc cagggtcttg accctcatgc caactctgcc ccagggtccag 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 ctttttctga ttactttgta tcatagcagc gtctaacttt	180
gtctccttct ccgcgggagc tttgatcttc tgagccaaga caggcaaadc aaggtttttg	240
gatctgtgcc tcttaaggaa gggcatagga aggagaaacc agaccctaata acctggttct	300
caaataggca ggggttcagaa catctgccag atgcgttctc tgataagtaa accgtcaccg	360
gctccagccc aaccaccaa agctctgaaa ctggtgctaa gaggatgtcc agagccgtta	420

acctattgaa tttcatggca gtctgaaact atgtcccttc tcccagggtcc 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 ggaccctttc 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 ggactagtag 540
 ctcggtg 547

<210> 1606
 <211> 568
 <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> (191)..(195)
 <223> n is a, c, g, or t

<400> 1606
 aacccctcct tacagcgtga aagagcagga ggaaatgctt ctcatgtcct cccctttnat 60
 agcaccagcc ntaaccaaca gcaaagaaag acacaattct gtggagtgtt tagatggact 120

agatgacatt agcacaaaac ttccatcgaa gctgcagaaa attacgggga gagaagactt	180
tccccaaaaa nnnnncttct gagaatgagt tctacaacct cagaaaaagc ctatagtttg	240
ggtgatttgc ccatgaaact ccaacgaata agttcagttc ctggcaactc ggaagaaaaa	300
ctggttttcta aaaccaccaa gatgttatct gatcccatga gccagtctgt ggccgatttg	360
ccaccaaagc ttcaaaagat ggctggagga cctaccagga tggaaggaaa tcttccagcc	420
aaactaagaa aatgaactc tgaccgtttc acatagcaaa acaccctttt aggcattatt	480
taatgttttg atttagtatt agtccaatat ttggctgata agataatcct ccctatgaaa	540
tctgagaggt ctatcctagc ctggcaaa	568

<210> 1607
 <211> 521
 <212> DNA
 <213> Mus musculus

<400> 1607	
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aatatgtaaa ccaagggaca acttgtatctt acattcctaa aatgaaaagc caactctaaa	120
aaagagtccc atgtgtgagg aatggactcc atttataaca ttggaagcca gtgtaatata	180
aaacaaactg ctaaataattg actttttcag agatgttgct gaggacacag aagaaacact	240
caatagaaaa tgttaaggcg aaaagcaacc aaatgtagac ccatgtatgg ctatggagca	300
atggcttatg ccagatttcc ccatttcata gaaattctga ttcttggtta 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 gtggggcctg ctcagcagca gacaccttcc	60
tgaatctcca gacttctgtc cacttttgtt tcacaaaaac ctaatcaatg attttagctt	120
cagagacagg aagattgtta tgctacacag tgagttcaag accaacctgg gatatacaaa	180
aagactctgt ctcaatcaaa agaaaacact ctccaaggct ctatgagcag ctggtggctg	240

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ctaggaaaga aacatTTTTT taaacattta ttactttatt gtatgtgcac gtgtgtgacc 300
gtgagttagt gtacatgcat gccaggggtgt gcatgtggag ggcagaaaat aacttctggg 360
aattaatttt ctccttctac cgtgtgggtgg ttacagattg gactgacgtc atccgacttg 420
gcagcaagtg cctttacca ctgattcatc ttggtgaccc atgggggaaa accattttct 480
ttagtggatg agccattgtt aagttattct gcaaataact ctctcttggt cctgtgtgaa 540
ccttaataa 549

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<210> 1609
<211> 514
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (464)..(464)

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<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)..(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

ggatctatga ctctctgtgg ctgacttctg ctgagctgag ctgacctctg gatattactc	60
tagtccctca tggctctgagc 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
gcattttctac ctgggtcagt gaanacgcct ccaccaggca cctcctctct gctgataggt	420
cacagaccag gtgtccctgc tcctgtctca gccaagggng aggngacang tagctgctgt	480
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<210> 1610

<211> 522

<212> DNA

<213> Mus musculus

<400> 1610

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agactgtttg attggattcc tcagaatgat cttcttggac atcccaaaac cagagctttt	120
atcacccatg gtggaacaaa tggaatctat gaggctatth accatgggat ccctatggtg	180
ggagtggcca 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
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<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>
<221> misc_feature
<222> (329)..(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> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(349)
<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> (354)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(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)..(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
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 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
 actttgcata acgggctaaa ctggcantnn aaanantnnn nnngaannnt nnannnnnnn 360
 nnnttttnnn ctntnnntnn attccaaacc cctgttttga cctggctgga ataacgtgtg 420
 ggcacttcct tgtacctttc tggaccttct ttggtgcaac c 461

<210> 1612
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 1612
 aaggacttac aatccaccag agcctcgcaa tagcaagata ttgaccaaa aacacagatt 60
 tggctgggaa gacagcgttg gagcaatgtc aagctgatgc agtgggtggac acgctggatg 120
 acttcatgtc tctcttccca tgggcagaga aagatcaaga tctaaaagag cggatgttca 180
 atgaattgct cacacatcaa gcacctgcc ttctgaaaga tttggacaca tacttaggag 240
 acaaagagtg gtttataggc aattatgtaa cctgggcaga cttctactgg gatatctgca 300
 gcaccacact tttggtttta aagcctggct tgttggatat ctaccccaaa ctggtgtcat 360
 tacggaacaa agtccaagct atccctgcc tttctgctg gatactaaag aggccacaga 420
 caaaactcta gatgaatcag gacctatcat cagatgagaa ctccattagc tggctagagg 480
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<210> 1613
 <211> 562
 <212> DNA
 <213> Mus musculus

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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

<400> 1613
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 ctgcaggagt ttgccaacac cattctccag cagatagccg atcactgccc tgacatcctc 180
 gaacaagtgg tcaatgccct ggaagagtcc tcctgatgtg ctcctgacaa ggaggggtgac 240
 caaggagcca gagaggggaac ctgaggaaca ggtgtctgag ccgccaccac accagactct 300
 gccagctgga tgtgccagtc cggccgtcgg tgtctgtcat cgtactctgc cttctgcttt 360
 gaatgttgcc tgctcaagtc tccctggtct ccatgaagaa ctgcccttgg catcagcagt 420
 ggagtgtcgn gagctgcact ctgcccttcc agaaacagga agccagaagc cactcagctc 480
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<210> 1614
 <211> 559
 <212> DNA
 <213> Mus musculus

<220>
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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

<220>
 <221> misc_feature
 <222> (158)..(158)

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

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<221> misc_feature

<222> (161)..(161)

<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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<222> (187)..(187)

<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

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<222> (197)..(198)

<223> 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

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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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<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

<400> 1614
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 tctctttcaa aacagctcag naaacagctt nccctttntg naagcctgaa cttttcgnaa 180
 gtaatcntaa ttnttgnncc tgttacttgg accaccattt ttcttagcnc ttgttattat 240
 gtttcctgng caacattagt gggttantgt ttntcantnc tnttcatana taaatcccat 300
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 ggggagtaca caatgaatga gaaancattc cgaagtaagc ttacttgctg ggctgctaag 420
 atggctcagt ggaggcagac acatgaccac caggcctgac aacctgagtt tgatccccaa 480
 gaccacatg gtggatggga gaacggggtt ctttaanttg tctttttgac ttccatatgt 540
 gtggtatggt gtgcacca 559

<210> 1615
 <211> 591
 <212> DNA
 <213> Mus musculus

<400> 1615
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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 atgggtcccg ttcctctttc 480
ctctttcctt tgggctgttc aatgtggttt actggttata ccatgtctat tagtttctca 540
tacaccacag ccgcgagat actatgatat gtttccttta tggtttcttc g 591

<210> 1616
<211> 528
<212> DNA
<213> Mus musculus

<400> 1616
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gtctggagaa gactacgtgt cacgagttca cagacgagct aactttcagt gaggcccttg 120
gagcagtctc actgggtggt cgcaccagcc gcagtacctc agtatcatcc caaccaatgg 180
ggcctgggag cctgttctca tcctgctgct ctcgaagggt caatcgcaga gccatccgcc 240
ttgccaaactc tactgcctct gtcagccgtg gcagcatgca ggagctagac aactagcag 300
gtcttcggag gagccctgcc cctcaaacc cgtcaagcct caatgccaaag cccacgaca 360
gccttgacct gaactgtgac agccgggact tcgtggccgc catcatcagt atccccaccc 420
cccctgcaa cacgccagat gaaagtcaac cttcctcccc tagtggtggt ggcggcagtg 480
gtggcacacc caacaccact ctgaggaact ccagcttggg tactccgt 528

<210> 1617
<211> 533
<212> DNA
<213> Mus musculus

<400> 1617
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gttggccctg ggagtaccaa gaaagggtag cttggttata cttggtcctc cctaggtgac 120
attgtcccca ggtatacaag aaggaagggt gtaaagaaac cttaacattg gtcctttgt 180
tgccagacat ggaagcaac tgggacagat gcctcaaggt ctaggaggag aataggcaac 240
agaggcactt gggcttccca ttctggcaag tactctgcag gtgaggaaga ctcccaggga 300

gctggaagaa ggaccaggat aggaccaata gaccttcctg tcattcctcc ctctgtctgt	360
ctccctaata aaagttgcag ttcatTTTTcc 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	
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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	
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cgcagctggc acagcggcta gcctgtccac tgactcctg cgtcagggcc tcaagacgga	120
cgccggcggt ggtgcgggtg gcgggggCGc ggggacaggc cagaggcctt ccttttctat	180
agaccacatc atggggccacg gtggtggcgg ggccgcaccc ccgggcagcg gcgacggttc	240
tccgggatcg ccattcgccg cagccgcagg tcctgggggt caagcccaag tcttggccat	300
gctgactgcc ccggccctga ctccggtggc tggccatatc cgcctctcgc acccagggga	360
ctcactcctg tcttcagggc cctcgtttgc cagcaaagtc gcgggcctca gtggctgcc	420

cttttgaccg 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>
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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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 <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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 <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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 tgtgaatact acttaatgac aggttggtctc ttcactggaa tgatgatgct ctttgttaca 180
 cagagctttt tagtttcatg aggtcccatt tatttttgtg tgagggtaca gtatttcaat 240

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gaaggtgatg tgatcactcc tgtttggaag ctgaatcaat gaaaacacaa gtgcctgtaa 300
tagaatatca ttgccttcaa ctactgacta aaacctttgg ggggttttga tttgagctca 360
gacnntanag nattntattn tttatgtgaa agaaatntac aatccttggt ntgacaaact 420
agtncaccca gagaacaaga caggatctgt catgtttgcc aatcaatgct ggtggtgtaa 480
atcacacctg ctgatgtca 499

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<210> 1621
<211> 497
<212> DNA
<213> Mus musculus

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<400> 1621
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gctccagggt tctcagcacc aatgggctct gaccctccca cttcctgctg tttctcttac 120
acctcccggc agcttcacag aagctttgtg atggattact atgagaccag cagtctttgc 180
tccaagccag ctgtggtatt cctgaccaa agaggcagac agatctgtgc taaccccagt 240
gagccctggg tctactgagta catgagtgac ttggagttga actgagcagc tccagcggca 300
gggcaggagg agccacttca ggagaggcct cctcagccct gatgcttctc actgagaagc 360
gtccttgctc ctcacgttca gatttcctgc ccctcttctt aatttaaadc tctgtgtaga 420
ctttgttttg tttttttggg ggagtattat ttctattatt tatgttttag ttataggacg 480
cgtgtctccc atggaga 497

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<210> 1622
<211> 567
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (112)..(115)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (214)..(214)
<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

<220>
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 <222> (472)..(472)
 <223> n is a, c, g, or t

<400> 1622
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 tcctccagtt gatagagaaa aacaaccag cgaaggcgcc ttctccgaaa annnngcnga 120
 gaatgagagc ggcggagaca agcccccat cgatcccaat aaccgggctg ccaactggct 180
 acatgctcgc tccactcgga agaagcgatg ccntacaca aaacaccaga cgctggaact 240
 ggagaaggag tttctgttta acatgtacct cacacgggac cgcaggtacg aggtggcccg 300
 gctgctcaac ctcaccgaaa ggcaggtcaa gatctgggtc cagaaccgca ggatgaaaat 360
 gaagaaaatc aacaaggacc gagcaaaaga cgagttagcc ttttaggggc tcatntaaaa 420
 agagagcaag ctaganaaga aaaagaaagg actgtccgtc tccctctgtc tncctctccc 480
 ccaaaccag cctccaccg cacaaggagg ctctaaatcc caggcctcat ctccccactg 540
 gcagtcctgt 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>
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 <222> (263)..(263)
 <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> (457)..(457)

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

<400> 1623

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gtgcctccaa cctcagaaca tttggaaccc cacctatggc tcctggaccc caaggggccc      180
ccaggggtgaa gatacaggca ttgaacantg caatggctcc tcctcaagtt ccattccagg      240
catccagtag gctctgcccc tgnccctgtg ctgcatgttc aggcattgtt cagggatgtg      300
cgggcaacct ggcctccac actggaaact agcccagacc ctcttgggga aggtcctagg      360
ctactttcag tctttggtct ttgaaaccag aggccatcca cccactgcag gagtcagttg      420
ggaancctgg attgtccact cctcataagt atctttntct tgctcattcc agggctacaa      480
atg                                          483
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<210> 1624

<211> 466

<212> DNA

<213> Mus musculus

<400> 1624

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gaccatccaa ttcattctga aatcacttga agaatttcta aaagtcactt tgagatctac      120
tcggcaaacc tagtgcgtta tgcctaagca tatcagtttg tggacattcc tcaactgtggt      180
cagaaaatat atcctgttgt caggtatctg acttatgttg ttctctacga agaactgaca      240
atatgaatgt tgggacacta ttttaattat ttttaattta ttgataattt aaataagtaa      300
actttaagtt aatttatgat tgatatatat ttttttatg aagtgtcact tgaaatgtta      360
tatgttatag ttttgaaatg ataacctaaa aatctatttg atataaatat tctgttacct      420
agccagatgg tttcttggaa tgtataagtt tacctcaatg aattgc                      466
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<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>
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 <222> (132)..(133)
 <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> (157)..(157)
 <223> n is a, c, g, or t

<220>
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 <222> (241)..(241)
 <223> n is a, c, g, or t

<220>
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 <222> (363)..(363)
 <223> n is a, c, g, or t

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 cctctggcct ttgtaccac gtgcacataa ccgcaaacag acacaccac gctatTTTTT 120
 tagaagtntt tnnTTTTTTT aantaggggt ggaaaancag gctggagaga tgactccgtg 180
 gttaagaaca gttgttgttc ttccagagga ccaggttca gttcccagaa cccacaaggc 240
 nagtctcca actattcata attctagttc aagtggatcc agcaccctct tctaactgat 300
 actgccagta ccaggcagcc atgtggtgca tatgcatttg ggcaggtaaa aactcagac 360
 acncaaaaaa ttttaaattt aaattttgaa aatatttttag ttttaaggat gatcactgtg 420
 tgagggtcag gtctcttatg tatgaatgta gtaccaagaa ctgtgatgag tatatgtatg 480
 ctccattcta tagtctcct 499

<210> 1626
 <211> 515
 <212> DNA
 <213> Mus musculus

<400> 1626
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cagggaccaa agttctagtc cattgccctc attccacctg gaaaagaaac tctgaaaagt	120
ccggggaatt caatgccggg cccgactttg aagctagctc ctctttatct gggattccac	180
tcagttacgg attggttttt tgtttgcttt tttgttgttt ttaatgtaaa tatctagaat	240
tctaaccagt ctcatatata aggaaaaacc agggttgatt aaagtttaac actgtatggg	300
gggagggggtt ggttgaagac gcatgccatt tgccccctg tcttttcaga acttgatgag	360
aagagggggtt tctttattgt ttttgttgtt gttttaaaat gaaatcattg aagttgccat	420
taatatagag agttaaactc cgtaggtctt gttttctgaa aattttcatg ggggagaatt	480
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<210> 1627
 <211> 551
 <212> DNA
 <213> Mus musculus

<400> 1627	
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caagaccccc tctgcacttc ctctggagcc gtggcacttc tcctccctag cgaggccagg	180
cttcatagcg cctgcctact tccctgtctt tcccgcacagg catctgactc cagaggtcta	240
ccgtgtcttt cccgcacaggc atctgactcc agaggtctac catgtctttc ctgacaggca	300
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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 aggttcaaatt gttgcatagt ttatttcctg 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

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 gcgcttcacc atcaccacct tcatgctcct tgactccagc tcccagaatg cccttagggg 240
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 tactacgtgt gactctggga tagcaaggcg tcgacgatcc tctgggtcacc acaacatcac 360
 tctccgggcc ctggacattg taagctctcc aggggcagtg ggctttgnng atgctgctaa 420
 acttgagccc tcaggttcca gcaggaactc cagctcaaga atgctgctcc tgctgctggc 480
 catcaccta gccctggcgn ccgggatctt tgtgggtctg atctgggcct 530

<210> 1630
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 1630

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agggaagccc cacactagta gtttagatgt tttgggggct gcctctgggt tcttggggct    180
tgatactcag atctgctccg gcgtcacact ccagccttcc gcatgtcctt gccaggtgcc    240
ctcagctcag acctaggacc cttagtcatt tcttcacaag tatttctggt ctgtcctccg    300
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<210> 1631
<211> 526
<212> DNA
<213> Mus musculus

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

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<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
tccgcccac cctgcngggg tctccccagt gggcccacat gaagtcagga gcctgttagg    300
ctagaagggg tgcaggtaga tatcctgcat gactgagcaa ccagacatcc ctgtccaggg    360
gctctggctg cagataggga cctctgaaca gctctgacat gatgcctgcc ctgcccagct    420
agtgagcaaa ggctgttggg ttgttgttgg tttttttttt tttttttttt ttttttaaac    480
actgagagaa gttttaagct aggctcattg ctcctctttt aaaata                    526

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<210> 1632
<211> 513
<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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<220>
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<222> (294)..(294)
 <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> (301)..(301)
 <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>
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 <222> (325)..(325)
 <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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 <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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 agatagttca tctttgtgga tctgcagaga tctgcttcaa aggggggagtg tttctactca 180
 gcaattgtta tatatgttta acaataacag taaaagcaca ttaatagcag gaatctctcc 240
 taaaacgagt cactcatagc cttgcttaat gaggggtcac ntgtcacaga ttanatanta 300
 ntntgaggca ggccacttca ggatnatcac ctgctagtta ttagcttgtc tcattatggg 360
 tcttgaccat ttttttggat ttatttcacn tcaaagtga gttaaactcc ttaggcattt 420
 aatanttaat ttacactag catgtgcatt actgagcctt taaaaaata ttgnaaatct 480
 tatagattga gctaccatgt actgatgagt ccc 513

<210> 1633
 <211> 531
 <212> DNA
 <213> Mus musculus

<400> 1633
 atggaggtgg ctggaccctc atccagcacc gggaggatgg aagcgtaa at 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 tgtaa atgtg 360
 ctcagatgct gtctggaggg tggTggTTTT atgcctgtgg cctctccaac ctcaatggca 420
 tctactattc agttcatcag cacttgca ca agatcaatgg catccgctgg cactacttcc 480
 gaggccccag ctactcactg cacggcacac gcatgatgct gaggccaatg g 531

<210> 1634
 <211> 588
 <212> DNA
 <213> Mus musculus

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

<220>
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 <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 ctccccaggg tgctcctgca 120
 gagccctcct gggcagagtg gacacctctc ctctggcagg gaaggtgccc agatgtcttg 180
 agcccgaaaa gggagctgcc tcagaagcta tgtggctcca gcctgtcca gaagctgtta 240
 gcttctgtag tccatctgtg cagactagtc tcgggtggagt cccggaacca agatgtctcc 300
 caccgatcta atctttactt tagattgaaa agttgttcct tagagggtct tgagacagag 360
 tttttttatg tagcatgggg tggcattgaa ctcacagtca ttctcttgcc tcanttccca 420
 aaanccanga gttcccaaatt cttttttnat atttntgagt atgagtacct natcagttat 480
 gtctttttaca gatattgtcc ccctttgatg ggaaaagata agctttgaag aaatcaattt 540
 accttgattn tttcatgctt tttttgtggt ttttgtacca ttcaataa 588

<210> 1635
 <211> 559
 <212> DNA
 <213> Mus musculus

<400> 1635
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 ctcttttgag tattgatgga gctttcatga accatgggtca gcccacaaacc aaagtcatcc 180
 cataacaggt gaccaacgag gccaacctaa ggcctgccaa ccctcagatc ctccccttcc 240
 acctccattg tcctctccct gtgtgctcag gggcagctaa gaatacaagc atgatacctaa 300
 gggaacgtat gtgattgttt cataagacgg atgctaggac ttgtgttggt ttttaaggttt 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 ctaccaacc 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	
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gtaagtaagt atgtttcaat gaatatgaag aaaaacattc acattgagag taaatgcctc	120
caggctctgt gtactttgga cttcatatat gtcgttctgt ttctctgctg cttcccagca	180
atcccgaatg tggtttgtct tgagattttt aaacaaaact aaaagcacta gccaagggtt	240
atgggcccac cagaagaaga gccctggatc agatagggaa agcgaatggt tcctctgctc	300
agcagctaac tagggcctct gaatttcctg gcattgtgag atgcacttag gagccatcct	360
atgaggtcac atgacatttc ttctttaaat cataacttcc ctctcctat tggatctgta	420
gactcctgtc tcatgagact ccctggcaac atctgagttg cctgtcacta gatgtttcct	480
gttt	484

<210> 1638
 <211> 541
 <212> DNA
 <213> Mus musculus

<400> 1638
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 gtgaccttgg aggagatcgg agggatgttc tgaaacaatt ttttgaaggc agccagctga 120
 gtgaaagaac tgctggcctt actcctgagc agctcgtcat tggatttcct gataaaggct 180
 ctggcccaga tagcatacaa agtgaagtcc aaggaaaaga gggtgagatg cagcaacaaa 240
 ggccacctac catcatgaag ttgccatgct ttggctccaa ttcaaaattt cactcttcta 300
 ccaactggacc tccaattaac aacagaagac caaccctact taatggtgct ctctccacac 360
 ccaactgaaag 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 ttctttctcaa aaaaatcctg tattcctata ggaaattttg 120
 tttttaagat gggaatcttg ctatatatcc tagctgacct agaacttact atgtagacca 180
 agctgggccc aaaatcacag tggtcctcct gcctctgttt ccctatggct gggactccaa 240
 atcattgggtc ctgatctgta atctttaaat tcagttctta gaatttgatg ttgactaatc 300
 cattgtcatt gtgtctccca gcctccaatg tgctcacacc ttaagtttta ctaatcccaa 360
 actcagaatg tcagactttc aagttcactg ttataactc tttttcactt gttaaagtgt 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 gcccacaatg 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
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 cctgcctctg ccagaggtgg cgctcaaccc cacacaggaa gaagacatgc tcaactctcta 120
 tctggttatt gccttggctt ctgtgtcttc acttttcctc ttgtctgtgc tgctgtttgt 180
 ggggggtgaag ttgtgcaaga aggccaggga ggcttctctg gctgactgct ctattcctga 240
 gggacacttt cctagccact tgggtggatgt cagtgggtgcg 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 tgttgaatt tatgtatatt tagcaggatg cagcccacaa gttgtgaatg 300
 acctacccg caacaacttt ttgaaaatc ctgccttgaa agagcttctg ttccacagta 360
 tccacgatgc agtcctgggc agccaagtcc 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
 aaaggggtatt tgtgccaaaga aggtatacag taccacagag ttgtgtcctc agtgagagtg 240
 ggaaataagt ttctaattta attctaatta ctggctcctc agtaattcag gaatcgtgcc 300
 atcattttccc tgctttttaa gggagaagtt tagctaaaga cacattccag gtgtcactaa 360
 cagttccaaa gctaggtgac taaatgttca gctagagctg ttaaaaggaa aaccagctaa 420
 ttatcattcc agtccaatgc tatttttgaa ttactatcta cttaagattt ctcataattt 480
 gtgctcaggc agcacaataa aaaggggggg gcaaaattac taagtgcag ttattctgca 540
 tctaagtctg tgac 554

<210> 1644
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 1644
 tggcttcatt ctcaagtggc tatctgaagg tcaactggga tcttctcgga gagctgggtc 60
 tggctgtctt ctcaagtgtc atcgaggat ctctgtttct caaaaattac tcacgcagca 120
 tctgggtgtg ctatgctggg tatctactgg tcaagtcgag ctattcgttt cttataacca 180
 tcgcagtctt tcagattgca gttaacctga gcttagaacg ttatgccctg gtgttcggca 240
 tagacacctt tatgccttg 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

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agaaaccaag atcagacaca cacacacacc acccaatgtg ttctattgca tttgtcccgt 180
ttcaacacag tgaggtaggt ttgtggcgat ctcaaagcat gtaaacgaaa ctccccaccc 240
cctcttttct ttagctatca accatcacgc tacagcaggg caggacactt gccactgagg 300
cccatactca tgagtctctc agaaagccaa gattgtgaaa ggctaaggag ttgagtcctt 360
gcctcatgtt cccatgcctg gacagcacag tgtgggaata aggggtactgg tcttaagttg 420
cattcttact gggataactc agtggcagtg tacttcctag 460

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<210> 1646
<211> 525
<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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<220>
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<222> (73)..(74)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

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ctatctggag gtgatgccca atcgctggaa ggggtgtggtg ggtgaccgag cttacctcca 180
gcaagccatg gactgggttc gggcccgaca caaagacccc atctttgtgg tcaccagcaa 240
tggcatgaaa tgggtgtttg agaacattga cacatcccat ggtgatgtgg tcttcgctgg 300
caatggacag gaggggtacac cngggaagga ctttgcactt ctcacacagt gtaaccacac 360

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catcatgact attggcacct ttggcttctg ggctgcctac ttagctggtg gagacacggt	420
ctaccttgca aacttcaccc tgccagattc ggagtttctg aagatcttca ggcctgaggc	480
tgcccttctg ccngagtggg tgggcatcaa tgcagacttg tcccc	525

<210> 1647
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 1647	
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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 cagcaaattcc	60
gaatgaacct tgggtggccgt gtagactttg aagactttgt ggaactgatg acccccaaatt	120
tgcttgcaga gacagcaggg atgattggtg tccaggagat gcgagatgcc ttcaaggagt	180
ttgatgccaa tggagatggg gagatcacac tggcagaact gcagcaggcc atgcagaggc	240
tgctggggga gaagctcaca ccccgaggaga ttgctgaggt ggtacaggag gctgatatca	300
atggagatgg cactgttgac tttgaagagt ttgtgaagat gatgtctcgt tgaagaggta	360
atagaagctc cagacacctg ctgccttgtc aacatggctg agcacttgta gagcactgga	420
taccagaat accttaaagg atggaggggtg ggagtaggct tgccccagta tggactgggg	480
tgcaactgca aacacttgct tt	502

<210> 1649
 <211> 505
 <212> DNA
 <213> Mus musculus

<400> 1649

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tgcgaaagta tgatgaagaa aagaaagcta acctcgctt 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 gatcactggg	480
tcagcattca ctgtcagtg ccaga	505

<210> 1650
 <211> 524
 <212> DNA
 <213> Mus musculus

<400> 1650	
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cgtcccacgc gacaggaccg cggcccagag cctcagctca aaggcatcgt caccaaactg	120
ttctgccgcc agggtttcta cctccaggcg aatcccgatg ggagtatcca gggcacccca	180
gaggacacca gtccttcac ccacttcaat ctgattcctg tgggactccg tgtggtcacc	240
atccagagtg ccaagctggg tctactacatg gccatgaacg ctgaggggct attgtacagc	300
tcgccacatt tcacagcaga gtgtcgcttt aaggagtgcg tctttgagaa ttactatgtc	360
ctgtatgcct ctgctctcta ccgtcagcgt cgttctggcc gggcctggta cctaggcctg	420
gacaaggaag gccgggtcat gaagggaac cgagtcaaga agaccaaggc agctgccac	480
tttgtgccca agctcctgga ggtggccatg taccgggagc cttc	524

<210> 1651
 <211> 532
 <212> DNA
 <213> Mus musculus

<400> 1651	
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agccaggccc ttggagctgg tccaggagtc cccactcaa agcctctccc cagctccttc	120
tctggagtcc tactctgagg tcgcactgcc ctgcggggcac agtggggcca gcacaggagg	180
cagcgatggc tacggcagtc acgaggctgc cggcttagtc gagctggatt acagcatgtt	240

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ggcttttcaa cctccctatc tacacactgc tgggtggcctc aaaggccaga aaggcagcaa 300
agtcaagatg tctgtccagc ggagacggaa ggccagcgag agagagaaac tcaggatgcg 360
gaccttagcc gatgccctcc acacgctccg gaattacctg cgcctgtct acagccagag 420
aggccaaccg ctaccaaga tccagacact caagtacacc atcaagtaca tcggggaact 480
cacagacctc ctcaacagca gcgggagaga gccagggcca cagagtgtgt ga 532

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<210> 1652
<211> 472
<212> DNA
<213> Mus musculus

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<220>
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<222> (105)..(105)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (206)..(207)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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tgagtttcct tttggcatta ctattccaaa aggaatgatt attcntggta attaattgtg 120
cagtgcctgt agtaccttgc tccaaatgga tcaccctgca aatcattaat aantgaagtg 180
gttttattag tttcaagcag aattttnncac 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

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ctgtgtatta ttntngggct atacataatc acacacatac atctttcagt ag

472

<210> 1653
 <211> 451
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (58)..(58)
 <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> (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 ttagtggttaa ttcacttact gtttatanc 60
 tgtttagaccg ngatacaaaa gctgctttat cctctcncctc tgctctctgt gcacaatggt 120
 ttgtnnngnn nnntgctaga ctactgtaag gtttccttgg ggaaaggcat ggtaagggaa 180
 aacacactgg tttatatattt gaaagccaat cctaattcca aagcaatact gttgtcgagg 240
 agtcaacggt ctaggaagct gacttttcta gaacaaatgt atttattagg atgaattttg 300
 gaatttttagt ttaaataatta tacattttta tcctaagcag tcaattgctt atttcattct 360
 tagaaattca aagaatatat acaatttttag ccaaattgtga 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 ttgataatc tctaattctgt 60
 ttattgaaat agtccttagc cttaacaatt cactgatata tgctgatgtt cattaatgta 120
 cactatttgc caatatgtat ttttagagtc ttggcttcat ttgggtggct agcactgac 180
 ttaatgatca ctttattgct gaacatcatt attctttaaa aatgccaaagt 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 ccctgggtcag gaactctaga cagaccctg 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 gggttaacgtt 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 cttcctgccca 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
ctggggtttgg tctctgatca ctatcccatg acattaatgt caggcagagg cctaggacgg 240
ctctcttcac tgtcccaagg ccacttctcc ttcaggaccc agaggaagag cctaaggcta 300

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aagatcctcc tgtatccagg tacaggtgac tgggaaacac tgtgctgggg acagggatgg      360
caaggtgcaa ggctgagtg cccccggatt ccatccaaac cagagtctga tggagctggc      420
acctttatga ctctctgcgg agaagaaatg gggtttctaag gcagcagata ccctaagcct      480
agaggcta                                          488

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<210> 1658
<211> 523
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

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<400> 1658

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accagcctgg cctgtactcg ggagcccgtc actccggtgc ctctcatcag cactctggag      60
ctgagcgggtg 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 ccnntntnt      300
ttcacctaca ccccgaata cagcgcgctg ccacggctgc ccaacgcgca agagcctgcc      360
cccgacgcgg acacgtcctt ggagagcatc caccacgagt tcacacgcac caanttccat      420
ntntnttgcc ccacctagga agtgccactg aggctgantic caggcccgcga gctgtccctc      480
agggaaaaag agcaggaagg agagagatag ctcacctgac ctc      523

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<210> 1659
<211> 553
<212> DNA
<213> Mus musculus

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<400> 1659
gtggatttca agatgtctcc tggctttccc atgaaattca acagagtaga gcccaacctg      60
gatgcagctc tctactggcc tgtaaatcaa aagggtgttc tgtttaaggg ctcaggatac      120
tggcaatggg atgaactggc cagaactgac cttagccgct accctaaacc aatcaaggaa      180
ctgtttactg gagtgccaga ccgaccctcg gcagctatga gctggcaaga tggccaagtc      240
tactttttca 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
aatgtcacc ctgtaggggc ctgagaacta ttcagtggac actaggccta atgtccctag      540
atactccact tct      553

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<210> 1660
<211> 460
<212> DNA
<213> Mus musculus

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<400> 1660
gagccttcta cctgggagga acagctaatt ggaggcaaga tacctcgagg aagaccctcc      60
gagccttgac ttctatcttt gccgcctccg tccatgcctg ttggccttgg cctcttggga      120
aggtgcaccg tagccattcc tgctgtatgc acttgatgtc cgagaacaaa atcgccggta      180

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```

agctgctgcc tcccgtgagt agcaggatgg agaaggaacc acctggcagt gtgttcctcc 240
tagctttcaa tcactaactt ggggggttgtc cgctcatcac gccatcctcc agttcacaga 300
ctggcctgcc tgctatgcgt cctgagcact ctttctactc ggattctttg tagaaactcg 360
ctgggttaag aaggccagga tgacacaagc aagaccaa atcattttgc caatgagtct 420
gaggctgtgg tctctggatc cagccatgat gtttttatat 460

```

```

<210> 1661
<211> 567
<212> DNA
<213> Mus musculus

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<400> 1661
acactcatac ttggtctgct gggttcactag ggcttctagg agctgggggc gccccaggct 60
tctgtagccc aggagtacta gaataatgtc acactcagcc ggccggcccc 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 gggaccccc atctctggac cttggggctg 420
agtcctttgc gtccttcctt gttccactgc tgggtggcca gtgtccctgc agaccggggc 480
tgctcctctg tacctccctc acagcctggg tcccaccgga cagcgcttg catgtttatt 540
gaaggatggt tgctttccgg acggaag 567

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<210> 1662
<211> 509
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature

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<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
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 ctgtatcatg tgattggata ctgggaggta ccaggaaagg aaaacaagga gcaagagacc 120
 cagattagca aaggggatca tagcaaggat gtctcagggg ctaaaagcct caagcttctc 180
 tgggcctatg tggcacacct tggggtacgg ctggcccttg agggagcagc tctaggtggt 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
 tatgtccac acctatgaat ccggtactgc tgctcagtca gaattcacga gtgatcagta 60
 tgatgacgcg ggtccccgct tcacagaggg gcactgaccg cccctcctg gtgtgcccct 120
 tccctccgac tgctggtgac gccaccagag ggcgaggaga agtcacctgc agactacaac 180
 cacacaagcc actgaggggt cgaggcgatg tccgtccaga ccaggctggt ttaaagcttt 240
 ccagcttctg gacctattc ttccctttga ttactttcga gggctctggt ctttaccgtg 300
 tctggctaata 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 gtagcgggtgc 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 ttcacacagag 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>
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 <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>
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<222> (94)..(94)
<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> (109)..(109)
<223> n is a, c, g, or t

<220>
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<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 ngangcgcn actcccgtng ggtnttgaga 120
 cagacacntt ntntatattt nacctcctga tggcatngga gacnctgagc aaatcatgta 180
 gncannnnat gccacaactc aaactgcttc agtgggaagt acagagaccc agtgcattgc 240
 gtgtgcagga gcgtgagggtg ctgggctcgc caggagcggc ccccatacct tgtgggtccac 300
 tgggctgcag gttttcctcc agggaccagt caactggcat caagatattg agaggaaccg 360
 gaagtttctc cctccttccc gtagcagtcc tgagccacac catccttctc atggacatcc 420

ggaggactgc ccctagagac acaacctgct gcctgtctgt ccagccaagt gcgcatgtgc 480
 cgagggtgtgt cccacattgt gcctgggtctg 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 aatgcgagt ccaaataagg 300
 ctttactact atgacccaaa atttccggaa tcatgccgcc catgtaccaa gtgtccccaa 360
 ggaatccctg tcctccagga atgcaactcc acagctaaca ctgtgtgcag ttcattctgtt 420
 tcaaattcca gaaactggct gttcctactg atgctaattg tcttctgtat ctgaagaaga 480
 taaaggttct acagatgggtg 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

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aataatacat gcctctctca ggtaagccat ttataaaaat aagagataaa acgactgtcg	120
agacagtgtt tgcttctgcc gatggtgtcc gacagcacc tgggcattag ggtggtagag	180
ctnccacgga ggctcccagg cntagggnc tgagagctca cttgaattgt aagccttctt	240
ncttttgata acacagtatt atttctctta ctgtagaaga aaaagtttat taccaaacia	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 tcttgacga atactacagg gaagacagcc tggcctacca	120
taatgatatt gccttgctga agatacgtac cagcacnggc caatgtgcac agccatccag	180
gtccatacag accatctgcc tgcccccaag gtttactgat gctccgtttg gttcagactg	240

tgagatcact	ggcttttgaa	aagagtctga	aagtgactat	ctctatccaa	agaacctgaa	300
aatgtcngtn	gtaaagcttg	tttctcatga	acagtgtatg	cagccccact	actatggctc	360
tgaaattaat	tataaaatgc	tgtgtgctgc	ggaccagag	tgaaaaacag	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
ttgacccta	tggaacttaa atgggcgttt tcttgtccca gattctggcc tatttcaggc 120
tgtttcaaat	gtggacagat gggtaaagcc gttgcctttc aagggaactgc ctggccagca 180
ccattttcta	catcaagccc tgttccagga cagcagggat gccgtgggag ggaaggaaga 240
acacagggag	aaactattta gtctctcccg agaaagaagt tcctcaagta atgaaggcgg 300
aagtagaagg	gtgggcagat taggaaaaga caaacataca ggctaagaac aggggtgcatt 360
gcctgctttg	acaaggatcaa gaggaagagg agcaggcggc cgaggaagga ggggtgtcgg 420
gggtccctgg	aatcgagaat cagtaaaaag ggggtgtgaa ctcgtaagtt cttaggcttc 480
cccctcgagg	acaggaccca cgcggtgac atacatttta t 521

<210> 1671
 <211> 196
 <212> DNA
 <213> Mus musculus

<400> 1671	
ccaggttcaa	ggctttcgtc gctattgggg actacaatgg tcacgttggt cttggtgtta 60
agtgtccaa	ggaggttgcc actgccatcc gaggggcat catcttgcc aagctttcca 120
tcgtccctgt	gcggagaggg tactggggga acaagattgg caagccccac actgttccat 180
gcaaggtgac	aggccg 196

<210> 1672
 <211> 535
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (337)..(339)
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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

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

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

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 <223> 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

<400> 1672
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 gacatcacag atgacggcat ctgtgacctc gccagaagca tcgacttcaa caaggatggc 180

cacatcgaca tcaatgagtt cctggaggcc ttccgcctcg tggagcagtc ctgcttagag 240
 ggccacgcct ctgcttgccct gcagtccaca gacactgctg agagtggcca tagcagtcca 300
 ggcccatgct gaggatagac tggctctatta ctcaaannnc ctaaggcgat nntgagntta 360
 tnantncaca tnganttinga ctttatcctg aaaatttgcc accacaaagc attcaaata 420
 agagttacct gtttggactg gagagatggt tcagtgggta agagcactga ctgntcttcc 480
 agaggtcctg agttcaattc ccggcaacca cattgtgggt catagtggat ctgtc 535

<210> 1673
 <211> 523
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (80)..(80)
 <223> n is a, c, g, or t

<400> 1673
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 ggcttgagct atgccaaca tcagctgcgg cctttgccta gctggctgcc ccatattggg 180
 ctcaccttaa aggtcaaaga aggaaaacac tacctgtctc ctatgccact cagccaactt 240
 atttgttagc cagaagttgg gggcatccat ctaggatgct acctgggtgga cccgcatctc 300
 acacggggcc ccagcaagg aaagtgtcgg aaaagaagca acagcgcgcc ccctagcgcc 360
 agctcactcg aacttcagct ctcgagcgtg aactcaagct ctacacacct gctcatcatg 420
 tgccttacac tcagaggaag ccttgggtca cagagtctga tttgatttct ggggcagctg 480
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<210> 1674
 <211> 550
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 cccatgagta agtacatgta tgaaggctag aggtcaaagt tcagtgcctt cctctttttt 120
 ctcatcatta tcactcttca tcatcactat cgtcatcatt attattattc tgacacaggg 180
 tatggtggtt tgaataaaaa tggcccccatt aggnacacant tannanntgt ggccttggtg 240
 aataggtgtg gcctagttgg agaaagtgtg ccactggggc tgggctttgg ggttttaaat 300
 gctcaagcca ggcccagtgt cactttatct cctgatgtct gccaatccag aaattgaact 360
 ctcagctacc tatctatcta gcaccatgtc tatctgcatg ttgctgtgct tcccgtatg 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

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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>
 <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

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 gagggacaaa gatgcagaag gacatttgaa gtttctgttt tagagcgca 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 agaggctgat gtttcatt 469

<210> 1676
 <211> 478
 <212> DNA
 <213> Mus musculus

<400> 1676
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 cttgacgctg cttatgaagc tagtatgata gatcaagtcc gctattttcaa aggcagcaaa 120
 gtatgggctg ttcaagagca gagtgtactg agaggattcc ccagagacat ccacagtttc 180
 tttggcttcc ctagcaatgt gacacacatt gatgctgctg tttgtgagga agagactgga 240
 aaaacatact tctttgttga ccacatgtac tggagggtatg atgaaaatac acagtctatg 300

gatccagggtt atcccagatt aacagcagaa gacttcctg gaattgatga taaagttgat 360
 gatgttttcc aaaaaggaga aaatttctat ttctttcacc aatcagttca acacagattt 420
 aacctccaaa taagaagagt tgatgattcc cgtgattcta gtacatgggt 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 ggncccccta ccctncctcc 360
 caangcatgc aaggtctgtg aggggagtgga gaaggtgggt ttgagtgttg gtgctcaggg 420
 tcatacttcc ttgtcagaca a 441

<210> 1678
 <211> 565
 <212> DNA
 <213> Mus musculus

<400> 1678

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caaccctttg cccattctat tctgatctta ttaaagtgga acagtgtttg aattcctcat      180
acaagcattg ttgaaatgac tcctttttcc ttaacctatt gtgcaaggac gcaaacagac      240
ctcatctttg taatgatgga gacgtacttt tttcttagat ttgatattaa ctttcttacg      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 ccctaccaa ccttggttaag      540
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<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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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 tcctcgcca ccttgaagag      360
ggtggagaag ctgaactccc tgtgcgtgtc cctggcctac atcaactgct gtgttaaccc      420
tatcatctac gtcattgctg gccagggttt ccatggacga ctctaagggt ctctccccag      480
catcatacga aacgctctct ctgaggattc agtgggcagg gatagcaaga ctttactcc      540
gtc                                     543

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<210> 1680

<211> 351

<212> DNA
 <213> Mus musculus

<400> 1680
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 accgcagggg tcctcctcct cctctcgggc attttggtgc tcatccctgt ctgctggaca 120
 gcccatgccca tcatccagga tttttataac ccactgggtt cggaagccct caagagagaa 180
 ctggggggctt ccctctacct gggctgggct gccgctgccc tgctcatgct agggggaggg 240
 ctctctgct gtacgtgtcc cccgtcacac tttgagcgtc cccgcggccc caggctgggc 300
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<210> 1681
 <211> 398
 <212> DNA
 <213> Mus musculus

<220>
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 <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>
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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

<220>
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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> (293)..(293)
 <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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 ctgtgtgagc agctgctgcc gcacaccctg ctgccagccc tgctgctgtg tgtccagctg 180
 ctgccagccc tgctgccagc ccagctgttg tcagtccagc tgntgccagc ccagctgctg 240
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 gcctagctgc tgtcagtcta gctgctgcag gccctgctgc cagcccttct gcctcaacct 360
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<210> 1682
 <211> 491
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (193)..(193)
 <223> n is a, c, g, or t

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 cccggtggac aacaagagat accgctatgc ctaccaccgg tcatcctggc tgggtggctgg 120
 caaagctgat cccccgctgc cagccaggct ctacgtgcac ccagactccc cctttactgg 180
 cgagcagctc ctnaaacaga tgggtgtcttt tgaaaagggtg aagctcacca acaatgaact 240
 ggatcaacac ggccatataa ttttgaattc aatgcataag taccagccac ggggtgcacat 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
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 tcctgatttg cacagcagct gagaccttct gggccactgt ctacctggca aaggatgtgg 120
 ctgtgaagag aacagaccaa aatccctgtc ctgggctgca attagagagc atgagacttc 180
 cacgggaaca gaagtgaggc ggaacaaacg ctagagctgg ggtaggcctg ttcctgctgc 240
 aggcttagcc tggccccctgc ccagaagtag gagcttaaaa gctgagaaaa taggaacagt 300
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 gctggagagg tacagctgga aacaagagag aaagggccag gcatctagag cctggaaggt 420
 agcatagcct ttatctaata cttagagaac agaaaacat ggaaacgttc tgagacaggc 480
 gaccaagca 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

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 acattgagtc agtggcttct cagccaatgg aacttccaga gaacttatca ctggagccta 180
 aaaatgagga ttcagctttg ncagaaaagg acaaaacaaa taactcatca agatctaaga 240
 agcccaaagg gttagaactg acaccgccc ttgtggtcac aggcagtgac cccagcccct 300
 cggggatcct aagcccatct ctcccagacg cgtctcttac accagcactc ttttcacaga 360
 ctcccatctt gctgactccg agccccttgc tctccagcat ccacttttgg agcactctca 420

gtccgtttgc tcccttgagc ccagccagac tgcaagggtgc taatatgctt ttccagtttc 480
cctctgtact caacagtca 499

<210> 1685
<211> 597
<212> DNA
<213> Mus musculus

<400> 1685
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gaagacaggc tggagctgac ccacactccg tccatctcca ggagagtcaa ccggtgtcac 480
accaaggaga ctttgttcat gacaggggat atgaccact ctgaggctac caatgggcag 540
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<210> 1686
<211> 524
<212> DNA
<213> Mus musculus

<400> 1686
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gccatggtgc tcctcatggg caccctatat atccacatgt tcctcttcgc caggctccac 240
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acggcccatt tcaacacct cctggttctc atcatgtgca actccgtcat cgacccctc 480
atctacgcct tccgcagcct ggagctgcgc aacacgttca agga 524

<210> 1687
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1687
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<210> 1688
 <211> 373
 <212> DNA
 <213> Mus musculus

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

<220>
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 <222> (175)..(175)
 <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> (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

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 atgtctgttt cctttggaga cccggaangt tctgctcttc aagatgcagc cgtangaatg 180
 gctcggccgt gcccanccat gcccangtt gccngtcat gtccatggtg cccaatgtgc 240
 ccgagggtgcc 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
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 tcttttctca ggtgctcacc tccttttTgt agagtttctg agttaaggaa tattgctgag 180
 gctttcacac gctgctatct gtaaacgcgt tgtaacgccc aactgtaaa gctccaggct 240
 tctgtgagct gccacagctg tgacgtgact ccagaccct caccagaaag taaaggttca 300
 gtctttgcct tctactagac cccaaactct cctttgtttg ctgtaactta tgaagcacct 360
 gcctctagta acccgccaca cccactcatc gaggttTgtga tcac 404

<210> 1690
 <211> 464
 <212> DNA
 <213> Mus musculus

<400> 1690
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 caccaggcag gaactgggtg tgttacacta gtgagccact ggtactcagc cttgtttggtg 180
 agggggacac aaaacaacgt gtccagggtga ccagggtacc atggggggcca cacgggctgt 240
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 acccctccca ctgctgctca aagtctgagg gccctggatt aggtagggtc agggaaggac 420
 tgctgtttga cctaggccta taactggacc agcctgggac ttga 464

<210> 1691
 <211> 490
 <212> DNA
 <213> Mus musculus

<400> 1691
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 gtgcactgtt cagctccttt gcccataggt gctggcactg ccaggagctt ttgcgcaggg 180

cggggctttg gggggaatgt cactactact gccattgtga ctgatgacac tccttgttgg	240
gagtgaagaa gcaggccagg acatgcctag ggctctggct taaccctgtg taggagggaa	300
gaaggctgat tttctcagag cttttagtcc gagaggagat agagggcaga ggaaccaact	360
ggtatagcca gtgacttgtg gctcccacac ggaccccgcc ctccagacga gcctgaggtt	420
ctgggttcta gtgtctgact tgggagctca aaagaagggtt gttctagaca agttgttcct	480
gtttctcggc	490

<210> 1692
 <211> 586
 <212> DNA
 <213> Mus musculus

<400> 1692	
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tttaaagctc agctctgctg cctcaaggca gagcagcctg agcctcctct tggtgacatc	120
ccccttaaca acctcactgt gatggggcgg gtcccagcta ctgggagtgc acatgtctct	180
gaaattagtg tgaccctgtt cagtggcagt agtgccaaga agggagagga caaagtttag	240
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atagtacagt gtctgggttt tctgttgttc atgaattgtg ttgaagtttt cagaaagaat	360
tatccttgta agtaatagac aaaccatcat tttcttcaag gtgcaaacag taatgccatt	420
tgggctttct aaatacaaca aagcccacca agtagagaag aagaggtttg gaaataccag	480
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<210> 1693
 <211> 464
 <212> DNA
 <213> Mus musculus

<400> 1693	
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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 acacgggtcca tggatccagg 420
 ttaccccaga ttaatagcag aagactttcc tggaatcgac tata 464

<210> 1694
 <211> 523
 <212> DNA
 <213> Mus musculus

<400> 1694
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 cttttaccca ctgctgcgtg aaccccgta tctacgcgtt cataggagag aagttaaaga 420
 aacacctcat ggatgtgttt caaaagagct gcagccacat cttcctctac ttagggagac 480
 aaatgcccggt gggggcggtg gaaaggcagc tgtcctcgaa cca 523

<210> 1695
 <211> 475
 <212> DNA
 <213> Mus musculus

<400> 1695
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 gcagcttgta ggccacctcg gcataggtaa gaggagggtca tggagctgtg agagagcttt 180
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 tataatggaa acagcctcac tcaaacttga aatgacagag gctaagttct tgattggaca 420
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<210> 1696
 <211> 549
 <212> DNA

<213> Mus musculus

<400> 1696

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ccaccacac tgccaacaac tccagccaag gcttctgtgg tacaatgggt caggaatgag	180
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tgtggccggg catcaccata ccctggattc cggcagggga ggacacatgg atactgataa	300
ctgcagatac acatactcag agtggcacag tttcactcaa ccccgacttg gtgaagactc	360
cattagagga cacactgggt aaaaattaaa cataaaagaa attgcatgtg tgtaatcaga	420
atgaaaacca catcccatcc caagactatg tcctcaccta taactacgaa ggcagagggg	480
ctccggccgg ctctgtaggt tgctgcagtg aaaagcagga agaagaggga cttgacttct	540
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<210> 1697

<211> 552

<212> DNA

<213> Mus musculus

<400> 1697

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tggacctcct gccgcccggg cccccagtgc ccgcatgccc gccgcctccc ggatcggacc	180
gctaagggga gctgggacct cctctgcacc tcccgcctcc acccttgtcc cggggccggg	240
cttggcccct gctagccgtc tcttcctttt cgaagcaata aatccgggcc ggccggcggg	300
gccggccgcc acacgaggcc tccgccgcc cggaagccct cgccgtgcaa ttctgtatgg	360
cttctgtata aatatttaag cctatatagt gggttcctcc caccacaggt tgattatitt	420
cttcctttta ttatgattat ttttttttt taatctcaga gatttcgatg ttttcaaagc	480
ccgggtgctg ccgggtcggc tgacggtgag gcggactcga gagcggcgaa cactactaac	540
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<210> 1698

<211> 529

<212> DNA

<213> Mus musculus

<400> 1698

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 gttccatgac caccagcagc agcagcagca gttccatgac caccagcagc agcagcatca 180
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 gcagttccac gaccagcagc ttacctactt actaacagct gacatcactg gtgagcatac 480
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<210> 1699
 <211> 536
 <212> DNA
 <213> Mus musculus

<400> 1699
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 actcctccac catgtcctca tccattgtct accgtgtggc acgcaactgc tccaagatg 360
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<210> 1700
 <211> 533
 <212> DNA
 <213> Mus musculus

<400> 1700
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 ttctcccttc tttagtaaag tatctggggg actggcgctt atgacttcct tctatatacc 180
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gtcaatcaat cgtacgaatg ttcaagttgg attggaaggg aaaagccaag caccacaaag 300
 caaggaaaca aaagccgcga agaccttagg gatcatggtg ggcgttttcc tcgtatgctg 360
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<210> 1701
 <211> 481
 <212> DNA
 <213> Mus musculus

<400> 1701
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 atcgacttct gtattgtggg aaacacataa ttccccattc atactgtgag cacatgggca 180
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<210> 1702
 <211> 524
 <212> DNA
 <213> Mus musculus

<400> 1702
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 agaactacca ttatctccca ctctgtactgt gaacacatgg ccattgtgaa actggcagct 180
 caagatatca gaatcaacaa gatatgtggc ctcttctgtt cctttgccat cttagggttt 240
 gacatagtct tcattacctt ctctatgtg cgaatcttca tcacgggtct ccagctgcc 300
 cagaaggagg ctgcattcaa agccttcaat acctgcattg ctacatctg tgtcttctg 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
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tggtcagagc agaagtctgg agagccctgt cttcctcagc caagttgctg gcaagactga 180
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acctgcactt tataagctcc ctttacaact ctctattacct tcagtgtgaa cacaatcaac 300
ctgccaaagac gctgcagcaa tattgagcaa ttattttcag catgtatagc cacttttgta 360
tctgcaccat ttgtctctat tt 382

<210> 1704
<211> 511
<212> DNA
<213> Mus musculus

<400> 1704
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tatatccttg tccctgccct ggggctcacc tatgatggga tgctgactga tgttcagagt 120
aagcccaaga caggtatcct aatagttggt cttggtgcta ttttcacgca aggaaactgt 180
gtcagtgagg agattatctg gaaaatgctg aataacatag ggttgtatgg tgggaggcat 240
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gccaggcca ggatcatcca gcagatagtt c 511

<210> 1705
<211> 547
<212> DNA
<213> Mus musculus

<400> 1705

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 gcctgggttat ggcagttctt catgtgccag ccatgttcca ttgcccctt tgtggcacgg 180
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 gctgtgcctc cattgcctac ctcaaaccac aatcagaaaag ttcagtagaa aaagaccttc 480
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 ggaacaa 547

<210> 1706
 <211> 541
 <212> DNA
 <213> Mus musculus

<400> 1706
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 gctggggggc actattcatt cacttgtgca gaccttcttg actattcgtc taccctactg 180
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 gttctttggg ccatgtatct tcctctacac tcggccagat agcagcttct ccatcgacaa 480
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<210> 1707
 <211> 437
 <212> DNA
 <213> Mus musculus

<400> 1707
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gtgtgacttg tatcctttac tggagctggc ctgcactgac acatatgtca ttggcctgct 180
 ggtggtggcc aacagtgggtg tgatttgcct gttgaacttc ctcatgctgg ctgcctcgta 240
 cattgtcatc ctgcgcactt tgagggtccca cagtgcagag ggaagacgga aagctctgtc 300
 tacctgtgga gcccaacttca ctgttggtgc tttgttcttt gtgccctgta tatttattta 360
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 gacacccatg ttcaacc 437

<210> 1708
 <211> 372
 <212> DNA
 <213> Mus musculus

<400> 1708
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 agatgcagag aaacaggacc agcttttggga atccccagac ggaggctcac atgggtgcta 240
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<210> 1709
 <211> 491
 <212> DNA
 <213> Mus musculus

<400> 1709
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 gtagtgacac caaaggtgac ctcacagcca gagagcccct cccctctgc aaaagagcca 180
 gaagctttct ctcccaaadc agataccgca atgaccacag agacagctat tatgcctggc 240
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<210> 1710
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 1710
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 ccaaggcgaa aacggtaaag cctaaagcgg ccaaaccaaa aacctccaag cctaaggcag 360
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 gcccaa 426

<210> 1711
 <211> 242
 <212> DNA
 <213> Mus musculus

<400> 1711
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 gcaggaatct cccctgaccc aggaagactc cctgctggct gtgaggaaat acttccacag 120
 gatcactgtg tacctgagag agaagaaaca cagcccctgt gcctgggagg tggtcagagc 180
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<210> 1712
 <211> 277
 <212> DNA
 <213> Mus musculus

<400> 1712
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 cctgaaggac aggaaggatt ttggattccc cttggagaag gtggataacc aacagatcca 180
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atcaaaagac ttgtctgcta cttggaatgc aactctc 277

<210> 1713
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 1713
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<210> 1714
 <211> 349
 <212> DNA
 <213> Mus musculus

<400> 1714
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 cttttcttca cacaagtttt gctgatgttg ttgctgtgtg tggccatcca aatatcacct 180
 gcaacaactt gacaagaaaa aattgtcatg ctagttcatt tcaggtatatt ataacttttt 240
 gtaacctcac tatgccgaca agaatatgca cacaatgcag ataccaaacg acaggttcag 300
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<210> 1715
 <211> 254
 <212> DNA
 <213> Mus musculus

<400> 1715
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 cacaaccttg cagagaaagc caggagcaag ctgagagctg ggcattcttc aagtcagaga 180

cttgtcttgg ttggttcagc cacaagcaca gacctgttgt ggctcctttg taccactttc 240
agctgggctt aggg 254

<210> 1716
<211> 110
<212> DNA
<213> Mus musculus

<400> 1716
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<210> 1717
<211> 277
<212> DNA
<213> Mus musculus

<400> 1717
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<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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aaactccggg ccacaggagg aaacaggacc aagacccttg gacctggagc ccagtcagcc 360

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 ccctctgata gactcgaag aa 442

<210> 1719
 <211> 152
 <212> DNA
 <213> Mus musculus

<400> 1719
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 gccctaaacc actatcaaga gaaaaacatt tt 152

<210> 1720
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 1720
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<210> 1721
 <211> 388
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (114)..(116)
 <223> n is a, c, g, or t

<220>
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 <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
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 tggaagcaga tccaaatgga tccaccacct gaaacgaggt cccctctatc tatnnntttg 120
 cctcatctcc agccctccca ctnactctct tctcctccac tgtccctctg cccaccccgg 180
 aagtcccacc tacttgccca gtgattgggt tctttattca ttagaagggt cacatgacat 240
 cccaagtatt tgattcactc ctctttccag tcagttcctc ttgggggaagt tgaattagca 300
 tcaaaatata gacagcacca gggctatnca caacactact acacctacct ttccaaggat 360
 tcacactcta atatttcctc ttgttttt 388

<210> 1722
 <211> 360
 <212> DNA
 <213> Mus musculus

<400> 1722
 ggttattggt tcaacatggc cctgtggatg cgcttcctgc ccctgctggc cctgctcttc 60
 ctctgggagt cccaccccac ccaggctttt gtcaagcagc acctttgtgg ttcccacctg 120
 gtggaggctc tctacctggt gtgtggggag cgtggcttct tctacacacc catgtcccgc 180
 cgtgaagtgg aggaccaca agtggcaca ctggagctgg gtggaggccc gggagcagggt 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 aagcagggtca ttgtttcaac atggccctgt tgggtgcactt cctacccttg 60
 ctggccctgc ttgccctctg ggagcccaaa cccaccagg cttttgtcaa acagcatctt 120
 tgtggtcccc acctggtag 139

<210> 1724
 <211> 289
 <212> DNA
 <213> Mus musculus

<220>
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 <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
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 cccctgtcgg tgctccaggc tgacacccca caacagaaag aactgtggct tcccgggcat 120
 caccagttag cagtgtttt atcttggatg ctgctttgac tctagcgctg ctgggggtccc 180
 ttggtgtttc caccacttc caaaccaaga atcggagcag tgtgtcatgg aagtgtcagn 240
 tngcaagaat tgtgggtacc cngggcatca gtcccagagga ctgtgccag 289

<210> 1725
 <211> 279
 <212> DNA
 <213> Mus musculus

<220>
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 <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
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 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>
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 <222> (283)..(283)
 <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> (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>
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 <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 gagcacgata caccctactg gcgnagggtgc 120
 cgtgtggctg aatattaact acctagcttt gggggcacta catcactatg ggcatgtgga 180

gggtcctcac aaggttcagg ctgccaaact ctaccatgaa ctgcggggcca atgtagtgag 240
 aaacgtccgc cagcaatacc aggctaccgg atttctgtgg gancagtaca gtgaccagga 300
 tgggcgggggc atgggctgcc ngccccnttc caaggatgga ccantncttn tcttactgat 360
 catggctgaa gagtactaat gggacagaag gaaagctagn ccatttgtgt cacttggaat 420
 atgcagacaa gggcttgggt ttctgggtctc attgtttcag atctttgtaa gctcatctca 480
 ggtntctcct tattgtcatc ccatatagct c 511

<210> 1727
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 1727
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 cactgcaaga acctgggact tggtaaagtt atctataagc tgggtctttg caccagtgc 120
 agcccttact tgacagatgg agacactcat gaaacaagct tgctttgtag ccatgagtga 180
 cgttgaattg attttcttgc cttacatgct gaggtcatag gtatgtacca ccaggcctgg 240
 ctaatgttct gggtcattgt gcacccatagg ggaaatgtta gattcatgtc cctgggaa 298

<210> 1728
 <211> 515
 <212> DNA
 <213> Mus musculus

<400> 1728
 ataccttcag catatgtccg gcctgagtag tggatttcat gatgttcttg ctatgacgaa 60
 gcagatggaa tccctgaaat actgcaaaga tggcacttac atcatgtgag acgcagccct 120
 gcggcatgaa cagtgaacag cggaggctcg atgaggatgat aatgtcagag cagagtgaaa 180
 ggttgcacat aattgtacga aaacttttta agctccctac tgtttagatta aggagtctgt 240
 tttaaaagaa aattgagatg cagaatgaag cattcattga ataagaaaat tgtcgctctg 300
 tttgaattat gtgcttgaaa ggaatcttgc attggaatga acatgatgta accgtacaca 360
 tcatcttcag gaatggacgc ataatgatgg attctgggtga agacccaaaat ttcttctgtg 420
 catttactct cagtcaggaa gcaccccccac tgtaaatatg tattttacatg ttattacaa 480
 agactcagat gaagttttta gtcgattttt tgcatt 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
 gtattttgtga 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 ccaactgagag 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

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 <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 tgggtgccagt acaatccaat tgaactcacc 240
 ctcaatggag aggggtgttct ggggctgtcc aggtctccag agaggctatg cccctgccta 300
 ctttggtgga tttcaaatcc agacagggtg gtcacaccga ggctacagga gcctggctaa 360
 angngnnngn nngngnnnc tgttactgtg gcatccctc tctcagccag cacaaagagc 420
 tgttttgttt tgtttnttt nnttnnttt nntttngtct tgtattgttg gtggtggttg 480
 gttgggtttt gtttgtttgt ttgtttttgt ttgctttgtt ttgttcttga gacaggggtct 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
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 ttgcaccagc tcctgcgctt gcaagaactg caagtgcacc tcctgcaaga agagctgctg 120
 ctctgtctgt cccgtgggct gtcctcaaatg tgcccagggc tgtgtctgca aaggcgccgc 180
 ggacaagtgc acgtgctgtg ccntgatgtg acgaacagcg ctgccaccac gtgtaaatag 240
 tatcggaacca acccagcgctc ttctataca 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

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<400> 1732
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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 acaccctgg tcaccaagca ctgagcagcc ggcccaggtc      420
tnacnaaggn aggcctngtg ttctcctca gtacctttgt ggctggatt      469

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<210> 1733
<211> 402
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

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<400> 1733
aggaggcatc tcatccccgg tgaagaagac agagatggac aaatctccat tcaacagccc      60
gtccccccag gactcccccc ggctctccag cttcacacaa caccacaggc cggtcacgc      120
ggtacacagt ggcacgcgc ggagccccca cccgacctcg gctcntgcac ttccctgcca      180
cgcccatcct gccacagaca gcctccacct acttccccca tacggccatc cggtagccgc      240
cacatctcaa cccccaggac ccgctcaagg atctggtgtc cctggcctgt gaccggcca      300
cccagcagcc tggaccgcct gctctccgcc cgacacgtcc cctgcaaaca gtccctttgt      360
gggattagga cggagggatc ctcttgcgga acagtcctgg ta      402

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<210> 1734
<211> 254
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

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<400> 1734

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cagcctttgc ctaagatcac ctccacgctg gaagaacca cccacgctg ccccatccga	120
cagactcaga gccccgctaa cccactgtg cccatcacia caggaggcag atgctgaata	180
gaccacctt 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 tgggtggtgat tgcccatgac gtagacccca	120
ttgagctggt ggttttctta 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 acattatggt gctcaagctc tcttcccctg tgaccctcaa	60
tgccagagtg gccactgtgg ctctgccag ctcctgtgca cctgctggca ctcagtgtct	120
catctctggc tggggcaaca ctcttagctt tgggtgtcagt gaaccagacc tgctccagt	180
cctggatgcc cactgctgc ctcaggctga ctgtgaagcc tcctatcctg ggaagatcac	240
tggtaacatg gtctgtgctg gcttcctaga gggaggcaag gattcctgcc agggtgactc	300
cgggtggcct gtggtctgca atagagaact ccagggtata gtctcctggg gctatggctg	360
tgccctgcca gacaatcctg gtgtgtacac caaggctctg aactatgtgg actggattca	420
ggacacaatt gctgccact agaaattccc attccctctg cagtcacat 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
 aggnattatca agggctggga ccaggggctg ctggggatgt gtgaagggga aaagcggaag 300
 ttggtgatcc catccgagct ggggtatgga gagcggggag ccccccaaa gatcccaggt 360
 ggagcaaccc tgggtgttga 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
 agcgggtgtca cagccggatc ctgcccagac tgctgcctgt gtgctttccc ttcaagccat 120
 tctgactgct gagggttctg ggttccttct agggatttgg gttatctttc cccgctgagg 180
 gttcttgctg atcacactca ccccatcctt atcatccac 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
 ctctttctgag gtgggcataa gggctggccc ttatttgctc tccctccttc gacttgcaga 180
 aattaattta attaattaat ttactatatt aaagcccttg gtcaccaag 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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 tactccatgc acgtgctgga gggctgctgg ntccntatg agatgcccaa ctaccgagnc 180
 cnccaatacc tgctcaggcc tggagactac aggcgctacc acgactgggg cnccatggat 240
 gccaaaggtcg gctntctgag acggnatcat gatttgtact aancctcctt ttgcttggtta 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 ctttccctg tcctgaatgc 120
 acctgtgccc tctgcacagt tatgtctaac catgcatat accctctgct atgccactga 180
 taccataaac ttaaagtcaa ttatgtagaa ccagttagaa gtgatttcac cgtacaagtc 240
 ttgttactct tgcagaggac caaggaatat ttcccaccac tcacctgact gtcacaagc 300
 cctgaaattc tagtttccca tctattactt gatTTTTTat tttattttat ttttttttgc 360
 ttctactggc tcttgatgc 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 ctctaactgc tgggaagagg 240
 cggcccagag gcagcacagc gccttaggtg ctggccacca tctctgttgg tgtactcccc 300
 cagcttccca tgaaaccatc ccatgtcctt caccatggag cccacacaga accaacaatga 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
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 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 cagacatggt 360

gttattgcct gt 372

<210> 1745
 <211> 394
 <212> DNA
 <213> Mus musculus

<400> 1745
 agggccgtgg ttagagctta gcaaaacctt tatttacaga acagaaggca tactagatat 60
 gaaccatgag cgcgaagccc tcgctcacc tgtgagggat tgtcatggag aagccctgtc 120
 tgtgtccgga ccacgttccc caaagagttc ctctacctcc catgtctccc agatcgtgac 180
 cccaaggact gctttctgac tcagtcacct cccagcttcc ttctgtctta ccttgctgtc 240
 aggtgactcg ttttcctagc tcacctgtac agattcgga 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 aaagggtctac agtagagctt gtgccccatt 60
 tgaaccccat ccaaaaatct attttaacct caataaatat agaaaagtta catattaagg 120
 ctatgtgaag aatgagctta tatatggacc aacttcagat gagagtgtct gagagtatct 180
 cagagagctc acaagcacga attcctctaa caaacaagag taacagaaaa gttgcatatt 240
 tgttgaaacc actaatggtg ttgctctgta aggtggacat atttgtatgt gggaagtcct 300
 ggtctgttct gtgtaactgg acagttctac acatgataag aaatgtagct agtaaggaaa 360
 tctaaaataa cagattcctc ccatgagtat ntgatgtttt caaaatcctt aaatagtgat 420
 atagatgaat aattcataaa ccaagctga ctttgaaatt ttgatctctt ggttgctttc 480
 aagccttttg aactttgttg cttatctcct ttaaataact c 521

<210> 1747

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

<400> 1747
 agatctgaca ctctccggag acaccacaaa aaaggatggt gttgtgttta aacaaacaca 60
 gccagaccc aagctgagga agcccacata ttctattata gatataaat 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 cttaaataagg 120
 actaatcttt taaaatccct cacttttctc aagctaacta atctggctct ccccttcctc 180
 tatectcctt tctccttctc ccttccttcc tccctctttt tctcttctc cctcctttt 240
 ggtttttaag acagagcttt tagtattggt gtcttgattg 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 cctgccc aaa gccgaccagg acctgctttt tgaatcagct 60

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ttcttagaat tatttgttct gcgcttagca tacaggtcca acccagtgga gggtaaactc 120
atcttttgca atgggggtggt cttgcacagg ttgcaatgcg tgcgtggctt tggggaatgg 180
attgattcca ttgttgaatt ctctccaac ttgcagaata tgaacatcga cttttctgcc 240
ttctcctgca ttgctgnccc tggctatgnt cacagagaga cacgggctca aggaacccaa 300
gagagtggaa gagctacaaa acaaa 325

```

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<210> 1750
<211> 390
<212> DNA
<213> Mus musculus

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<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 caaatattatc ctgatggact gcatggaggg 240
ccgtgtagcc attacgaggg tggccaacct tctgctatgt atgtatgcca aggagaccgt 300
aggcttcgga atgctcaagg ctaaggccca ggccctggtg cagtacctgg aggaaccctt 360
cacccaagta gcagcatcat aacagcgtga 390

```

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<210> 1751
<211> 522
<212> DNA
<213> Mus musculus

```

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

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```

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

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<400> 1751
ggaaaagtag ccaccacact tcaggcctca agggagcagt ctcacctgtc tgtgtcccta 60

```

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aatagatggg ccacagtgat ctgtcattct aaatagggaa gggaatggaa atatatatgt 120
atacatataa acttgtttta aaggagcctt tgggtctctc tatgtagact actgcttctc 180
aagacatctg cagagtttga tttttgttgt tgttctctat tgctgttggt gcagaaaagt 240
ctgactttta aaacaaacaa acaaacnaaa aacttttgtg agtgacttgg tgtaaaacca 300
tgtagtttta acagaaaacc agagggttgt actgatgttg aaaagaggaa agaaaaataa 360
tgtaagantc tgggtgtaccg gaccaggaga aaggagaaaa acacatccca ttctggacat 420
ggtgaaatcc aggtctcggg tctgatttaa tttatggttt ntgcgtgctt tatttatggc 480
ttataaatgt gtgttctggc tagaatggcc agaattccac aa 522

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<210> 1752
<211> 430
<212> DNA
<213> Mus musculus

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<400> 1752
gaattgtgag gccatccgat ctacaacaga gtgagttcca ggacagccag ggctatggag 60
agagaacctg tctccaaaaa ccaaaaagag cgattacccc agagccttct tcctgatggg 120
agcggggagg ggcaggactg gacccatctt gctcagtgcc tcctgacctc aatgcctttc 180
ctccaagggg tctgtataca tttctcaagc ctgctcctcc catgtttgca tgtgtgttat 240
agtctacagc caaagtatag ccctcactgt aaccccatcc tgccctccctc ctttgggata 300
gggtgtgtgcg tctgacttgg gcctccaggg tgtgtacagt cagtgtgggt tttgtggagg 360
caataagact gaagcagtag acaatcccca ataccatttg caggtctgga actgcactct 420
cttttttaaa 430

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<210> 1753
<211> 508
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<220>

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<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>
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<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

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atgtcaacag atgagctcat ctgcccagagc tttgcaagtt tctaagaacc nacctcagct 120

tctnaaacac anagccagaa ccacataaat aaatggcaga gctactcgga aacttctcct 180

tttcatgggtt aggctgggaa agtctgtcctt tggtttanat ggcagtggta gtataaggtc 240

tctcttctgt ntgctgagac acaagggagg aagtgtggga gaagtttgcg ggtagatggc 300

cntnagntnn tcacntgang natagnatac tttaaantca gatggaaatt cttagtagcc 360

tgagttcaag ctnttcnag aatagcttnt tagtgtatta tgacacttca ctctgaccct 420

gttactctgg gncagtttcg cctaagaaag ttctgaattt ccgagatgcc tttttgttgt 480

agcttctgtg ttcccttttg 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
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 agaactaaag ctgtgaggcc cctcaagttg cccagacca atgccagggt gaagccaggg 120
 gatgtgtgca gtgtggctgg ctgggggaaa acatccatca atgccactaa agcatctgcc 180
 cgcttgcgag aggctcaact gatcatccag gaggacgagg aatgcaaaaa actctggtac 240
 acctattcca agaccacgca gatctgtgct ggagacccaa aaaaagtaca ggctccttac 300
 gaggggtgaat cnggggggacc cctngtgtgt gacaacctag cttatggagt tgtatcctat 360
 ggaataaaca ggacaatcac tccaggagt 389

<210> 1755
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 1755
 gaggttaactt 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
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 tcattcttca caaaaggggtg attaaggaat tatgctcata aaggaaccta agcaagctgt 120
 attgtgtgtg tgctgtgtgt acacacatth gtgtgtgctc agaatacatg ctttctgctc 180
 ctgacttttt gttgtacagg attcagattc ctantcctac aagatgatgt ttgtgtgtaa 240

ggcacacctt ttttggtgct ttattcatga 270

<210> 1757
 <211> 331
 <212> DNA
 <213> Mus musculus

<400> 1757
 ccagcacctg tcttcctgat tgtaattctg ccactgccat ccatacttgt tatatcatga 60
 ctgggttaaat tatgactagt aagccacgga gtagtgctga agactgttcc ctgggagtaa 120
 gtcccgtgtg cggccacctg ctggtatctt gacttttatc ttggcttttag 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
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 ctcaggactg ttagcagtgt ggccagttca ctgtaacgaa ggcattggcca gcgaccctaa 120
 cgcccagggt ccaaggctgg ttctgttttag tataagaaca gaaaagcttc atttctccga 180

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tgcagaagtc ccagtctgta tgatgaaggt aacttcctg cctacttcac agggtcactc 240
tgaagagcac agacctaact gaaggggagg cccagggtag ctggctgctg tggttggcca 300
cagaaagcgg ccatgacagc tgcctgatgg actaccatac ttggttatta gaagaaacca 360
cccaaagcc taacagcaan ccttccttac gttgagcgat aaagtattaa aaattaaacc 420
tncccctgtg gttttactgg tcctatgtgt gtgcctcagc tcagagac 468

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<210> 1760
<211> 417
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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

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

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

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

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<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

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<400> 1760
ggaacagtgg taggcgcagc acaccgcagt ccagaaagtc tcctggagct caaagccttg      60
aagccagggg tcattcaa at cctgggtgtc aaagcctcta ggtttctttg ccaacagcca      120
gatggagctc tctatggatc gcctcacttt gatcctgagg cctgcagctt cagagaactg      180
ctgctggagg acggttacaa tgtgtaccag tctgaagccc atggcctgcc cctgcgtctg      240
cctcagaagg actcccaaaa ccaggatgca acatnctggg gacctgtgcg cttcntgccc      300
atgccaggcc tgntncancg agccccaaga ccaagcagga ttcttgcccc cagagccccc      360
agatgtgggn tcntntgacc ccctgagcat ggtagagcct ttacagggcc gaagccc      417

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<210> 1761
<211> 261
<212> DNA
<213> Mus musculus

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<400> 1761
ggcacatctg gaacagttgc ttactgacct ccattcccta aggacaattg ccaactttga      60
ccctaggggtg accttacgcc tgcccagcct gagtggctct gatgggatcc cttatcgaag      120
tgtctctgag tggcttgaat ccatacgcat gaagcgctac atcctgcact tccgttcggc      180
tgggctggac accatggagt gtgtgctgga gctgacggct gaggacctga cgcagatggg      240
aataacgttg ccagggcacc a                                          261

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```

<210> 1762
<211> 487
<212> DNA
<213> Mus musculus

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

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<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

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```

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

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

<400> 1762

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agatcattcg acacccagac tataacaagg aactgtgga taatgacatc atgctgatta    60
aattgaagtc acctgccatc cnttaactcc caagtatcca cagtctctct gccagatcc    120
tgtgcatcta caaatgtctc gtgccttggt 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 cctgggggtc agtctgtgca atgagaggga agcctggtgt ttacacaaaa    420
gtctgcaact acctaagctg gattcaggag accatggcga acaactgatt tctcttgccct    480
tccataa                                           487

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<210> 1763

<211> 332

<212> DNA

<213> Mus musculus

<400> 1763

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tgcagatggc gctcagctac atcatcgcg caccgccat 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

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<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
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 ggacccaggg cagagagtgc aaccggacat caggaggcgc agatggctgt aacctcctct 120
 gctgtggccg aggctacaac acccatgtag tcaggcacgt ggagaggtgt gagtgttaagt 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 aaatcacia 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

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tagagactcc agtcagaggg caggagaggg atccgggcga gganggcanc ggggcgcgcg      120
ggctcancgc gcgggtgaga tgtggtctat attagagtat ctatntaaat atatatatttc      180
ccatcccttt tccctgtccc acttccctgt gtgtagcatt gtactctctc taccctagtc      240
cagtcgccagt cccttcccga gtccctagtg catggaataa aatcggttatt aaatcccggt      300
gtgtccccta gccagggggc tgcctttata ttggcgccac gcctacttgc ccataccctt      360
ctcccacctt taggcctgct ctccacggcc caagccctgg gggagacagg taagtaaaga      420
gcgggagcgac agactgaggt tggagctgaa ctttatttgt ggggtcttt      468

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<210> 1766

<211> 468

<212> DNA

<213> Mus musculus

<400> 1766

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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 gagtggtttt      240
ggaattcact tggagacaaa gcttgtgccc aaatgtggca atgtcttttt tactatttag      300
agtaataagg ggaaatgatc tttaatgttt ctatatgcac ttattctttc atgaaaaaca      360
atcaaattat gcaaaattag gtgacagact gagaagcctt gagatatcat caciaagttc      420
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<210> 1767

<211> 552

<212> DNA

<213> Mus musculus

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<222> (452)..(459)
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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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 agatcaagtc acacccagtc gcctggccct tcatggaacc tgtgaagaag tcagaggctc 180
 ctgactacta cgagggttatc cgtttcccca ttgacctgaa gaccatgaca gaacggttgc 240
 gcagtcgcta ctatgtgacc cggaagctct tcgtagctga cctgcagcgg gtcacgcga 300
 anctgccggg agtacaatcc cccnanacag cgaatactgt cgctgcgcca gtgccctgna 360
 gaagttcttc tacttcaagc tcaaagaggg agggctcatc gacaagtang ccnccagctg 420
 gnatccgnaa nnnncnnann cnnnnnnntnn gnnnnnnnng gnnnnnnccg ancnnnnctc 480
 ccggactcag ctggagaaaa ctccagccga ggaccccgaga tcttacagac tttcttggcc 540
 cgcaggcact ca 552

<210> 1768
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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

<400> 1768

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agctgtgtct	gctggtagag	ttcctaaggc	tctgaagatg	accagttggt	gatgtntctc	180
aggaagtgga	ctgagacttg	ctaccggagc	tggttaagtc	aggttaggct	cccagtacca	240
tcaaacatgt	cagccnttcc	ttcgtgcctg	atggatcatg	gctttnancc	accaggancc	300
tgtntctggga	gcctcctggc	tnaagatcaa	ntgtgccttg	gntagcccga	ttcacgtnng	360
ggttcnnct	tggcacagca	gcgcccacga	tgggctcagg	attcttactc	agacgctgtc	420
aacttccgga	agactcagga	gggtcggact	tctccaagaa	ccctcaaagg	tgacaaaatg	480
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<210> 1769

<211> 381

<212> DNA

<213> Mus musculus

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$\langle 222 \rangle$ (106) .. (106)

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

 $\langle 220 \rangle$

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$\langle 222 \rangle \quad (172) \dots (172)$

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

 $\langle 220 \rangle$

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$\langle 222 \rangle \quad (238) \dots (238)$

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<400> 1769

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cagcccatac	tcgaggctgg	ccaagtccac	acttctgctc	atccctctgt	tnggagttca	180
ctatgtcatg	tttgccttct	tccccgacaa	ctttaaggcc	cagggtgaaaa	tggctcttnga	240
actcgtcgta	gggtctttcc	agggttttgt	ggtggccatc	ctctactgct	tcctcaatgg	300
cgagggtcag	gcagagctgc	gacggaagtg	gcggcgttgg	catctgcagg	gcgtcctggg	360
ctggagctcc	aaatccacaa	c				381

<210> 1770
 <211> 537
 <212> DNA
 <213> Mus musculus

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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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 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

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

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

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

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

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

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

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 ggcacaccac ctgggggtccc ctntntnccc cnccccagc ggctcccca aaggttccaa 120
 gtcaaagagt ttcagcatcg acagcatntt ggccngaga ccgacgccag cctcaggggc 180
 cgaagcaccg gggatcccta agcccgtgcc tggcgcgctg ggctcctctc tgctggctgc 240
 ctctccggc ctagcgcctc ctttaacgc ttcgctggtc ttcgacgcgc acgtccaggg 300
 cggcttttcc cagctgggga ttcccttcct ttcttatttt cctctgcagg ttcccagggc 360
 cacagtgctt cgtttccact aaggcggatt agcggctgct tccctgcctc gcgatcccc 420
 cacctccagt gagccaatgc ctgtgggcga aggagtcgcc ccggtctctg ccctggcaga 480
 gactgagggt t 491

<210> 1772
 <211> 327
 <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

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

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 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

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 <222> (292)..(292)
 <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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<221> misc_feature
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 <223> n is a, c, g, or t

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 taccttgaat aagaagatca gaaacgcaca gttagcacag tataacttca tccttgttgt 120
 tggtgaaaaa gagaaagcca gtggcacggt gaacatccgc acgagagaca ataaggtcca 180
 cggagagcgg acagtggagg agacggtgcg gcggtctgcag cagctcaagc agacgcgcag 240
 caagcaggca gaggaggagt tctagcaggg acacgctgtg cccgagctgg cncctgtgtca 300
 gggaagacct tgtacaccgg gaagcaagcg tggcttcagg ccgagcgtgg agtagctntg 360
 cantctgcat gaatcggcct ttgatctggc caa 393

<210> 1774
 <211> 385
 <212> DNA
 <213> Mus musculus

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 <222> (130)..(131)
 <223> n is a, c, g, or t

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 <222> (135)..(136)
 <223> n is a, c, g, or t

<400> 1774
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 tttactgaga cctttatcat tcctcagaca gtctgctgat ttaaaaatgt agcattccat 120
 ttgtatttan ntttntacc ctttgccaaa aagatttttc taataatgct tgtacaggcc 180
 aaggccgtgg tccaaaacac tattcagttt tcttgtactg aggatcccc cccccacc 240
 accctcacat tattgactcc tggcttctat cagccaaact ttgatgtggg ttggatttga 300
 tagccaattc tgtgctgggt gcaaagagtt catattgaga taacttttaa tactcagcag 360
 attgtcttcc tttatattgt tatct 385

<210> 1775
 <211> 285
 <212> DNA
 <213> Mus musculus

<400> 1775
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ctggccaaga ggatcaatgt gcggattgag cacatcaagc actcaaagag cagagacagc 120
ttcctgaagc ggggtgaagga gaatgaccag aagaaaaagg aagccaaaga gaagggcacc 180
tggtgacagc tgaagcgcca gcctgcgcca cccagagaag cacactttgt gaggactaat 240
ggaaaagagc ctgagctgtt ggagcccatt ccatacgaat tcatg 285

<210> 1776
<211> 316
<212> DNA
<213> Mus musculus

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<222> (215)..(215)
<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

<400> 1776
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gctgcagaga gaaccctgga ggatgttttc cttcgaaagt ttatgatggg cacctttccc 120
ggctgcctgg ctgaccagat tgttctgaag cgccgggcca accaagtgga catctgtgcc 180
ctggctctca ggcagctgcc agcacacaaa ttctnacttc ctctgtgggt acagtgagac 240
tctgttgtca cacttttnac aagtgtcctg tgcgactcca cctgcaaact gtgccctcca 300
aggtcgtgta caagta 316

<210> 1777
<211> 386
<212> DNA
<213> Mus musculus

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

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 aaactgtcgt atactaaaaa gtcattggag 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
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 aacatcaagg gctctttgat aatcactttt gatgtggact ttccaaaaga acagctgaca 120
 gaggaagcaa aagaaggat caagcagctt ctcaaacaag gccccgtgca gaagggtgtac 180
 aacgggctgc agggctatta ggagcgaaga gaactggact ttgaaagagg tggatcagcg 240
 atatttatta tctgcagtgg gtttttgtgt gtgtgtttca ttattttcaa tatgcaagtt 300
 tggcttagtc cttttttccc tgatgaccgt cctgacaaga actagagggt 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
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 tcatactagc agtgatgtta cactacagga aaactgtact gtacaggaaa actgtactgc 120
 ctacctttga tttttgaaat tgttgtaact acttagaaaa tagtccttaa tatagtttga 180
 cttttccttt tagtaatat aatcttttca cctaacccta ggcagcatta aatagatatg 240
 aaaaaagata gtgtattaat tttattttcc ctccttaaaa gcttattatt tgaattatat 300
 gcacatgtaa gactattttac aataattcac aggttaagtg gtgttgataa gtgggtcatac 360
 tttgatttct t 371

<210> 1780
 <211> 577
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (137)..(137)
 <223> n is a, c, g, or t

<220>
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 <222> (237)..(237)
 <223> n is a, c, g, or t

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 ctgcttgccg agacgngct gctgttgac tgctacctgg gcatcgtgcg ccgctgccc 180
 gtcagcgtca agcgggtcag cgtgctcaac ttccacctgc tgcaccagct acccggtgc 240
 gccgccgccg ccgccgcctt ccccgccgcc ccgcacgcgc cgggtccggg aggcgccgcg 300
 catcccgccg agcctcaacc cctgccggcc gctctgcagc ctccgccggg gcagcggcgt 360
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 gtgtgggtga gcctggccag tggcttctcc ctcccgggtgc cctggggcgt gcaggcggcc 480
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 gaggagtacc gcagatccgt gcgatctgtc ctgccgg 577

<210> 1781
 <211> 451
 <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> (257)..(257)
 <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> (368)..(368)
 <223> n is a, c, g, or t

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 ttttttttat aaaaaattgg cactaataag tgggtttatt ggtcttttct aattgtataa 120
 ttttaatttag tacaaagttt gtaaaatatac agaggatata tatatatattgt ttctacgaca 180
 tgggtattgca tttctatctt ttactacag tgatctgtga cagcttcatg ttgtatTTTT 240
 ttactgaaa ttgtnanaat atccatctta aagacntcag ctattctgaa aattgtgtac 300
 aggatattcc tttagtgggtg gaattaaaat gtacgaatat ttgctttttc aaaaaaatgt 360
 attttctntt aaaggtttaa agatttttgc tatatatattat ggaagaaaat gtaatcgtaa 420
 atattaattt tgtacctata ttgtgcaata c 451

<210> 1782
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 1782
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 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
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 tctgtttgctt 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 ttaacttggt gctgactttg tgttgacccc tgcatacagca actatttcct 360
 taaatccagg atacaacttg ttaagtgtga cagctttcct ttacacacca tttttgtggg 420
 tgtatatata tatttgactt ggggagaatt attttttaca 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 ggaagggtgga gagcaccaag acagacagcc 300
 gggacaagcc actgaaggat gtcatacttg 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>
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 <222> (84)..(84)
 <223> n is a, c, g, or t

<220>
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 <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
 aggctgcccc ataagatctt ccgggttccc ctttcttcag ttccctgang cccagtcagc 60
 cttggctctc aggccctgtg cctngcctca ggtctttctc actgcagcct gctctggccc 120
 aatgtccaac tctgaccctt ggggaaggta gccctctctg gcttctccta tagggcacct 180

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ctctctcttg ctgccccctt cctcccagga aatggtgctc tctgaccct 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 gtacntccc tncctntct tctcagctgc agttgaaggc 480
tttaactttg cacactt 497

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<210> 1786
<211> 68
<212> DNA
<213> Mus musculus

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<400> 1786
gaaacggctg gttcagagcc caaattctta cttcatggat gtgaaatgct caggttgcta 60
caagatta 68

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<210> 1787
<211> 182
<212> DNA
<213> Mus musculus

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

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<400> 1787
gagcagttcg tctcggcgac ctggagcggc cgcgcttgcg gagccgtcac catgcccctg 60
gctagagatc tgttacaccc ttccttgag gaggagaaga aaaaacataa gaangaaacg 120
gctggttcag agcccaaatt cttacttcat ggatgtgaaa tgtccagggt gctacaagat 180
ta 182

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<210> 1788
<211> 509
<212> DNA
<213> Mus musculus

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<400> 1788
ggaaccaca ttgggctcag gtgatgaatg ggcctacctt gagggagggt gtaaaagcca 60
gccagaatgc tgtagaaaca ggaccccagg acaggggagt ttgtctgcta cttttcatag 120
aaatatatac caaaagcata gcagaagtag gcaccaacct cttcgttttc gtcttcctca 180

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tcctctcgaa gaaccatgtc gaggacactg cctttgatct tgaagtcccg agaagtactc	240
agcttcatgt gctgcatcag gtttacctgg gacagcagaa ggtcctttca gtgtgtactt	300
ggaggaccct ttgcttttac cagatgacat tcaccttgac cacctctagc tgtgctgcct	360
gccacagagc ttgctagact ccttcagca gtaaagtaga 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 tgggtggaaag tgagatataa gacctaaatc	120
ctgctaggcg tgaccgaggg cctggaagca gtttcttgct caccctcaat tccaaatgca	180
tcaggaatta ttcccaatcc tagtactcga acccgctgc 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 cccctgggc tgacaaaaa	60
tgtgctatct actgtgagcc cttttccaa 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 tgacagtgtg cttcgctagg aagganaggc ccttgccctgc tataaccatg 60
 cctagagtgc ctgtcctcca gtattgcacc tgtanccgga gctagggcca cccagtgca 120
 ggggcaaanc aaacctgatg tcagtcgttt tgtntttnt accccaacct caccctntca 180
 ccctactttc cccccccac ccncncttt tttttttttt ttttttttn nnnngtgcca 240
 cattggcaga ggggcctata ggtccttcac tgttcctcc tgtgtgttg 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
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 cttgcagggt cccaaaagat gcccagcatc tggaaccac ttgctattga gaccccctgt 120
 tagctgagca catgccaact cattcttaga cnccangng ggctcccgtg tctccccac 180
 ttcctcctga gttagatctc tttcttggtc cccctcatcc ttcctaaggg gaggggcagt 240
 ggtctaggta tgaattccat gcagagaatt ttagctatgt tctcaagtcc agagagagcc 300
 gcgggcctgg gcttcattta tattgagatg gtttgcatc ttttgtaatg aaggggtacc 360
 tgcagtagga agttttgggg ttttttngtt tttngtttg ttttggtttt gtttttctta 420
 aatagtctct tatgggtagc tggattctct gccatttgta atttttcctc tgattccaat 480
 tagcaaaact tcccttttta 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
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 aattgcgagg actgagcgtc gccgaggatg cggctggcgc ggtcggcggg gaccaggag 120
 ctggcccttc cgcgtccatg ccgtttgctt tctaatacatt tcattactac tttgaatgcn 180
 gacaattaag ggccagacaa ggaaggacac aggcccggaa gccaatccca ggtgtcagcg 240
 agcttctgtc ccagctctgg gagacttgtg tccagcgtgg ccgaagcttc tggctcttct 300
 cggacctccg cagtgtgcgg 320

<210> 1794
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 1794
 ggtatactta ccagagtgtt agggagaact ttacaatttc atccagaaat ttaattttgt 60
 taaaggcttg acttgagctt catatagtat tgtgtgagtt ccctctggat tcaatcattt 120
 gttcttagtg ggggaatggaa ggcttataag tctcgggaaa ctgatgaaat tctccatcac 180
 aaagtccaaa gggctctttg acaagggtcc aaacatgaag tgctttcttg aggagctttt 240
 gtttagtcca acaggagtcc aaggatgcag attagagttt tgtgagtttg ctgcccttgc 300
 tgggctaggc atttcattgt tgtaactgcc tctgagtaac tgatgacct 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 aagggttgcg tagaacaat agctgggtctt 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
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 atccctggaa tgtatcttct gaaggtgtcc aactgtgga ccaggtgctg agtgaggtaa 120
 gccggttgct agttcctgga ggccgattca tctcaatgac ttctgcaggt cccacttta 180
 ggatcagaca ctatgctcaa tcccgttatg actggtcact gaggcataca acctatagca 240
 gtgggttttca tttccacttt tacatcatgc ataagggcag agcgctcagt gtgtcccagc 300
 tggccctggg ggcccaaaat cctctcatcc ccagccctc ctgcctcacc ctgcttcctc 360
 caagantcag anncaacgag gacttcctca gtgccattca gctgtgagac tggaagtgtg 420
 atctccaant cntccctgcc tttgtgcatt aggnctcctag ggagttggaa ttcccagttt 480

ggggctgggg attggttgct ggggtantcaa 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
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 ggcttaatatg tggcattttc tacatctaata gtgggacaag caatttggct aattagtatg 120
 tattctaaaa atacactttt agggagtggg gtctgatttg cgtggggttt gtgaaataaa 180
 gtgcagaccg taaaatatgt cacattacct ctttttttag actctatttc ctaaataaat 240
 gtttcagctt tttaaacatt ttgtataaca aattccaatc ctgatacaag gaattattaa 300
 tatctatttg ttatatattg gattttatat gctttcagaa gnaaaagcat tacaaaaaga 360
 ctgacatgga agtcagtcac tttaaggccc ctacatcaga gcagtttttag aaatttttcc 420
 ttatttagta ataggtacat ttgataaat tgatccttga gtaaatctta ttaaaaataa 480
 ttttttcaca taccatgtgc attttgaaat cagagtgatc tttaattatg ttcagtgtta 540
 acacagccag ttacattttt 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

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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 tcaccctttg cacttcgttt tcaacgacac caagnittgga	420
cgctatnctg gaagaattta agaaagggaa atcccacctg gccattgtgc agcgagtga	480
ca	482

<210> 1799

<211> 520

<212> DNA

<213> Mus musculus

<400> 1799

ctcaagcatc gaagcagcca cagtggggag aagccacacc actgtcccgt gtgtggcaag	60
gccttcggtc atggctcggt gctggcccaa cacctgcgca cgcacggcgg ccctcgcccc	120
cacaagtgcc cagtgtgtgc caaaggcttt gggcagggct ctgcgtact 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
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<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 ctcacacctt ctgtggcact gaaccacttg agagctacac 120
 ctgtcagaag tgggtanacac cctcagatgg acaaacggaa gtgcaacacg gccacgtgtg 180
 ccacacaacg cctggcaaac tttttggttc gttccagcaa caaccttggg ccagtcctcc 240
 caccaaccaa cgtgggatcg aatacatatg gcaagaggaa tgcggcaggg gatccaaata 300
 gggaatcctt ggattttctta 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
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 gcaaaaaacc ttgtgttcaa tccccactaa cacacaaata ttaattactt tgtagaatta 120
 gaataagcag aaccatatta agaaacaacc tgggggttcaa gagtcctggc ctatgatatg 180
 agagcactgg accccagctg tggggtaaaa atgaatctgc agaagtaagc ccctaattggc 240
 ttcttaaadc aaatcattgg acaattgggtt atagtaaaat taaattctgc tgtggattat 300
 tgagaggtcc tggcctgccg ggggtctacat 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

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ggatgcttac attccagtta gcagaaagac tccttctaata catagtattt agcagtcac      60
aaaacccccca ggagctgatg tttctatcat cttaaagtct ggctacttca ggctcctgtg    120
gaccacttag aagtgaccac ggtctacttt tacttttagg agtcaattct ttcaaaattc      180
tcatgtatca gataaggaaa tagaggtttg ttcanatcaa gtaacttnac tgnatngtg      240
caggggttgaa accagagttg gaacacnagg cttctgatac atatatctct ataagaatnc     300
tttctttctt tcttttnagg gagttaaaaa aaaagancaa atgcatgtat ttaaaatcta     360
tgtttnccat ctaaacacc catgttttca gaaatggcat tggaatgcta cattctgctt      420
gacttatgct cagagtacag tntcttttcc aggctagcaa tggctgtata tatttca        477

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<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
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 caaccagaag ggttgatagt tgtctgtcac gttgtctctg cagcagcaga cactgaagag 120
 cttcccagag tcttagactg agctggaatc tgctgggctg ccgctggggt aaaggattat 180
 gctccacttg tgtgggaggc ttctaagggg ccagaggtaa aacagggtta gagagacccc 240
 ctgtgacggt tagcacagct aggggctcag ntttgagtaa accataaact ctgaggtcag 300
 gaacagactg gggancaccc taaagaagat gagacagaat tnttcccact ntagactgag 360
 gctcctgccn aacttcccct ccatttccat ttggacttag ccncnagacc ataggacctc 420
 ctctcttggg aagggtgatg tggtcactgc actgtggact tgtattgggt 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
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 gtgtagttcc tcctaggtag atatttatca cctctgatta tagactcact atgttttta 120
 gtatgttcta ttatcaacct gtgcatatgc tgcattgtca ccatnagaga gtaaataattt 180
 tgatttactt cattcaaate ttattccatc ccttnagagt gctatattat gttcattttac 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 tactttttgt tgacgtaagg aagataactt 180
 atgataggtc ttactttctt ctcctaaagt tatttacgat ttggctttaa atataaaagt 240
 tcagtaagtg tataccgaag caaaaattag tcacttgagt aacttggccg ctaatatatta 300
 accatctacc tctgttttta attttctttc cttaaaggcag cttgagatgt cggtcctaac 360
 cttgtctttn tttttttcct 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>
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 <223> n is a, c, g, or t

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

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

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 gggacatatc ggggtgtatcc ctccaacttg aggggagccg tgggggtgtca aggatgggca 120
 ggccggctga gtggaagggg aggtgccatg gatgtccccg ttaagaaaat gcagctgctc 180
 gcctctttcca gagcaccacc atctaaggtc agcctcctac aaaagtctct atttttgagg 240
 gtaggtcagt ttaacccttg tgagcctcag tttccccacc tgtaagtaat tgcactagat 300
 catgtcttga caggtcctga gattcctcgg ctngtgnctt tgatgctttc gtatcttata 360
 tgtagagnat gatanagggt ccgnatttta cttaccncat ggataatgtg ctttggaact 420
 ctttagagat tctttttatt ttttacactc ctagatcttt tttatagaga acacacaatt 480
 gaaatgcata ttatgatgta attttcgggtt tgcttggttct atacaaacac gnccttncct 540
 tctagactca gcttttaacc agggacacg 569

<210> 1808
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 1808
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 gacaggctaa agggttgggtc ttgggtctgga ttctcagaag cttagatggg accacagtgg 120
 agagtgtgta cctgttctgc ctttcgtttt aagggccagt ggaaaccag agactcttct 180
 gtcagggaaa accagggact gtctttttaga gccatatagt tccttgggat tagctcttgg 240
 ccaagaaggc tgagtatggc tccaactttt taaatccatt tcattttttt taaatgaggg 300

aaatggatat aatttttcag atactaagta gctggagagg atgttcttgc tctccaaagc 360
 ccaaagggac aaatagggac tttgcttagg ccaaggc 397

<210> 1809
 <211> 494
 <212> DNA
 <213> Mus musculus

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

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<400> 1809
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 ttgaaaacct cagtgggagg atctttctgt actcctgctc atcagtatct cttcctgtta 120
 ttaacaaggc gacttcttgt ttaacctcag ctttttttaa atgctttttt gcctattagg 180
 aaaaaaaaaat catatttagt agaggaaaat tggccaaaat aaagatgtaa aaatggttta 240
 aaaatgtaat tctgccacct aaatactata tgtttttgta tagttcatat atagggtttt 300
 tttttttnan tgtattcant tggcttttgt ttgtctttaa atgacactgg gataattctg 360
 agcatagtgt ctgatattat ggtcagctac taacatcaga tgtttttcat gttattaaat 420
 actcttctgt aacattttaa tagctgttga tatttccact gatagatata ctgtaatatg 480
 cttggtggtt gggt 494

<210> 1810
 <211> 585
 <212> DNA
 <213> Mus musculus

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

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

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

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

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

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

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

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

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

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<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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 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 caccctgttg 420
 cacagaagtg agatcagtga gatcagtgga gtacaatgtg ctggatgctg ctgtatcctc 480
 cccctccatc tctcaggag acagacaacc ttcctncctga accaagatgg tnccatgttt 540
 tctaaccag ancctntctt tttagcagac ctcaataaat ctcct 585

<210> 1811
 <211> 449
 <212> DNA
 <213> Mus musculus

<400> 1811
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 ttccctcagg gtggggctgg attatggagg aaggaatgga tcttttgtca gatgagacta 120
 acagagggac tcaactgtcag agtttagcgtg gattgctgct gccggggcac tacctcctgg 180
 cttctctccc tgctgacgtg gctcttgtcc tggagcagag cagtgcgttg ttgggagatg 240
 gaaagtctat gcgtgggtac cctgtcttct tgcctgtggc cccctcctt tctgaaagtt 300
 agttctctcc gcattcttta ggaggattca ggggcggcct agtgaagac agtgggctcc 360
 atgcctcttt cccctggggt ttgcttcagg ggctcctccc cgagggttg ctcttggtgg 420
 cagcagctga gatcaggaca tctgtggcc 449

<210> 1812
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 1812
 atttcttcag gctagcttct acaacactga cctccatgag gtatttactg tgcaataaca 60

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gattcgtctt ctgagagctt gaagcaaccc atgatttgtc cctccactgc tcttcactgg      120
gttcacttcc aaggagacta atggctctat tgtaaaaatt gctcttaatt cttgaagagg      180
ctactgagaa gcagtggggg agatctcatg aggttaccta cagctacttc atgttcttac      240
actgtaagcc ttgttgcttt gccccaacaa ttgtaatttg attatagcta tgagccttat      300
ggtagacact atgtaccctc tgcggtgtaa ttgcattata gctatgtgcc ttgtggttaag      360
cactatgtac tctctgcat                                                    379

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<210> 1813
<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

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

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

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

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

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

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 gaagtggttg tagatgttag gtaacattct tagagttgcc aggtagcccc tactcacctg 180
 cttctcagcc tgctacacag acaagctttc ccatcagcag gtactgctaa gcaaagtcac 240
 acaggggaaga gctgggtcttg agctagggag gaaccnaggg gatntngggn gntnctaaga 300
 gaagactnct cttgaaccct acanccnacb nnggaacctg ancaccatga antnccccca 360
 aaccantggg ttttaaancn atcaccacna aactcccttt ttagcttttg cnnggggntg 420
 ggggtgggga taagggtttt cattctagtt gtgggtagga agaaagttaa tgtanccctg 480
 tggtttttca gaagtcggtg 500

<210> 1814
 <211> 383
 <212> DNA
 <213> Mus musculus

<400> 1814
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 aaaaggataa agaccagta aataaatctg gtggcaaggc caagaagaag aagtgggtcca 120
 aaggcaaagt tcgggacaag ttgaacaatc ttgtcctgtt cgacaaagcg acatacgaca 180
 agctctgtaa ggaggttccg aactataagc ttattactcc agccgtgggtc tctgagagac 240
 tgaagattcg cggttccttg gccagggcag cccttcagga gtccttagt aaaggactta 300
 tcaagctggg ttcaaagcac agagcccaag taatttacac cagaaacaca aagggtgggg 360
 acgctccagc tgctggcgaa gat 383

<210> 1815
 <211> 190
 <212> DNA
 <213> Mus musculus

<400> 1815
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 tttcctacca tcaactcccag ggagccctgg gatggcaagg atggtgagct ccctgtggag 120
 gacgacattg acctcagtga cgtggagctg gatgacctg agaaggatga gttgtgagcc 180

acggcccagc 190

<210> 1816
<211> 316
<212> DNA
<213> Mus musculus

<400> 1816
atgtctgcac aagcaatgca acgctgggcc actgctgccc gtctgcctcc ccggcacggc 60
acggctccgc acgcaacctt agcgtgccac cacggctctt tatttatggt gtgatcacc 120
tggagggcgc ccccgccctg ctggggctat ttattgttta atttatttgc tgaggttcct 180
ccaagcaacc accttctcca ggccccctgg gtgttgaaag tcaaattgtg ctgttgagtc 240
cacagacccc catcctaatt cctgcacctg gaggagtcc ccaacccccg tgtttgctgg 300
aggaagcatt tgtaca 316

<210> 1817
<211> 178
<212> DNA
<213> Mus musculus

<400> 1817
gggaagacag agcttactcc agcatatttc taagctgcat ctgagtcct gggagagccc 60
tctcgaaaca tctaactcgt gtctgtattg ccgaatctgg ccccatgttt tctgtattcc 120
tgtttgtggt aggagataac cagtcttggt tgtttcttac atggcattcc tttgttgt 178

<210> 1818
<211> 455
<212> DNA
<213> Mus musculus

<400> 1818
gggtgccttca cttgctatct ggatgcaggt cttgcccga ctacaactgg caataaagtt 60
tttggggccc tgaagggagc tgtggatgga ggcttgtcta tccctcatag taccaaacga 120
ttccctggtt atgactctga aagcaaggag ttcaatgcag aggtacatcg gaagcacatc 180
atgggtcaga atgtggcaga ctacatgcgc tacctaattg 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>
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 <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

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 ctagaagaat acagctttctg ggtccctggt gtcaggatga cagccacctc actgtggcag 120
 tgatggtggc ccattcttaa ttgctgctaa ttataaatct ggtgatgaac tctacacccg 180
 attgttgccc caaagcatca gttaggcctt gttacaaatg agtgaaaggc gagtgtcccac 240
 ttctctcaga aacacnggga gcagagttgc cttccaacct gtgcctgctc ccaaaatcta 300
 gatggaagct ttgcatgttt ccttcctggg agaaagggat tgttgagaag gnttcctgtt 360
 gtcccgtagc caccaccacc tcagcctcct gggcaggtcc tggcttttcc tcattctnct 420
 tctacagtgc ctggtagaca agtgctacgt tgaagaacac aaacctcttg ttaagacttg 480
 tcctgtagtt tgggtattaca gatgtgctac tagtgcaata aggtgaaggc tgtctgcca 540
 gagaaat 547

<210> 1820
 <211> 229
 <212> DNA
 <213> Mus musculus

<400> 1820
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 tgagaggcca tcagatgatc ggcttcagaa gtgttgctca gccttgcaac tgaattcatt 120
 tctaattggtg aaaaataaaa ccagtccttc acaccacctg tggatcatca tcgggaaaag 180

taactttctg agacagagtc tcactgtgta gcccgtagtg gcctggagc

229

<210> 1821
 <211> 495
 <212> DNA
 <213> Mus musculus

<220>
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 <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>
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 <222> (198)..(231)
 <223> n is a, c, g, or t

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 <222> (236)..(237)
 <223> n is a, c, g, or t

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 <222> (241)..(248)
 <223> n is a, c, g, or t

<400> 1821
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 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
 gatttctcata tttttttctc ctcatTTTTaa 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

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ggaccctcc actgcatggt gaacggctcag tatgctgtcc acggagtgc cagctttgtg	180
tccagcatgg gctgtaatgt cgccaggaag cccaccgtct tcaccagagt ctctgcttac	240
atttcctgga tgaataatgt cattgcctcc aactgagcga cttccggagt ccagtggcct	300
ccccaagatg gctcttagct ttgcaatgag acctgaagta agcaagaagg agttagagct	360
gaggttatcg ctcaagtggc 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 gttttttcca cacgattgat ggattgcgtc	60
ctagcaggac tttgtacgtt tcctttcttc cctttcctgt gtaagatgtg gctttgcttg	120
gtgccgcttc aggtctacca gctgccactt aaaaccctcc aacctctttt actctttgag	180
ttttttttct aagtagcgga ggagggggag aggcaggag 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>
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 <222> (388)..(388)
 <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> (406)..(406)
 <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> 1825
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 gaatccattt taaaatgtca gtcacttttag atttcttagt ggggcaagga cctgccctta 120
 catattgtgg cctgaaggga caaaatatga gaagttcaat gaaaagataa ttcccccttt 180
 caggaaagat gttctcttat ttacttgggt gctaaatcaa agaatcaagc ctttgttcaa 240
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 tgggaaggaa tctttgattt ttaaatttca ctgttgatct ttcaaataga ctagncctta 360
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atntcagcac tgtggctggt gccctttgcc 510

<210> 1826
 <211> 475
 <212> DNA
 <213> Mus musculus

<400> 1826
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 gatatggacc aagggtgatg acttaggttc tgactgaagt tctaggagca gcactggcac 180
 tgacaatggc attaatgcct aagttctccc gtgtcactca gggtagggac caagttttag 240
 gacctacccg tttgtttccc tctttgatcc aagcggactg cctgccttga tgagcaagac 300
 agtaaacaga aaactaaagg gtgacaccac acccatggga atttgccact ctgcaagtag 360
 acgggacatg ctggggacag cccccagca gaaagactga ctaattccac tacacaacag 420
 gtgtagtaat aggattttgc atggtgggtt caaaagcact gtaaggagat tccct 475

<210> 1827
 <211> 549
 <212> DNA
 <213> Mus musculus

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

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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 aaatggggtt ttatttgtaa	420
gacattatnt actaggaagc tggatgattt aatgcttact gttntaatcc agtggccaag	480
gtattaagaa ttgcaagta 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
gaggcattgt ttatgttatg ttagagcttt ggacccatct ttaattgaga aacgtttatc	120
tgtataaaac atatTTTTTg ataaatatat atatatatat ttgtatctac agaaaggctc	180
tgaaaagcat ttgagtaaaa tcttgggtccc cttttctatg cttgtcctcg caccctgcgc	240
ttgggtctgtc cactgtttgt cagcacatac atgtccatc gtttctcact ctgtcaccag	300
ctaaaaaatg tccgtgccat gttgactata gaagccacaa gcctcaggcc tgtgggttaag	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
atcaggaag aatccttatc tctagcttcg ttttcacatg aggttttctg aggaagggga	240

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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

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<210> 1830
<211> 520
<212> DNA
<213> Mus musculus

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<400> 1830
aaatacgttg gagtgggtgcc tgccagtgat tgatgccaaa aataagagtg gcagcctgga 60
gttcagcatt cctgggcagc ctaatgactt cttccctgtt caagtttctt tcatctccaa 120
aaagaattac tgcaacatac aggttaccaa agtgaccag gtggatggaa acagccccgt 180
caggttttcc acggagacca ctttcttagt ggacaaatac gaaatcctgt aataccaaga 240
agggaaagct gaaaaggaag gatttcagat taataaagaa gaagccaaaa gtggctgaag 300
agttttccaa atttacaagc cattggaggt cccccaaccc ctttttctga tacagtgcac 360
gttctctgcg cgcaaggacc ctcaactcac acccagtggt gcggtgtcac agagacattt 420
ttgacaaatg aactgacat aaagggaaag gctgctgatt tctttggcca gcaggaagcc 480
agctctccag ggaatggaat gcccagtaa atagctcttc 520

```

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<210> 1831
<211> 441
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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<400> 1831
tgggcttagg cgtgacctca cacagacaca cgtgttttca ctgtgggttag tcagaaagct 60
gaatgtattg agcttgtgtt gcttcctgtg tgctctctga gccaccacac actacggacc 120
ttaagtttct ctaatcatgg ctcacagtcc ctgggcaaac caaacgtttt cagtggcgat 180
ccatcctgta acccttctct tgacagaatt aaattggctc cttttgcaac ttaaaataca 240
gtcaaggaaa gccaaattgc tgaactctgc tggctcccag ggatgtaagg acatcatctc 300

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gcaggagcaa tttgttgcac tgcctgagtt ttgggaagga ggcctgcggn cactgttgac 360
 ttagtaaggt gtcggtccat agtgtacaga tttaaaca aaagcccaca gagccctgga 420
 gatcccttca tagccactgc t 441

<210> 1832
 <211> 487
 <212> DNA
 <213> Mus musculus

<400> 1832
 agagtcacct ttctggatca tcggttttct tcctattacc tgtctctgcc gccagatatg 60
 agaattccaa aaaatggcat agaaaaacat ctctgagag agacttttga ggactgcaac 120
 ctgctaccca aagagattct ctggcgaccc aaagaagcct tcagtgatgg gatcacctca 180
 gtcaagaact cctggttcaa gatcttgcag gactatgttg aacatcaggt tgatgatgag 240
 atgatgtctg cagcctccca gaagtttccc ttcaatactc ccaaaactaa ggaaggctac 300
 ttctaccgtc agatctttga acgccattac ccaggccggg ctgattggct gactcattat 360
 tggatgccta agtgatcaa tgctactgac cttctgccc gcactctgac ccattataag 420
 tcagctgcca aagcttaggc actctctaca ctcttggtga aaagtaaag tttcttccgg 480
 ctctgaa 487

<210> 1833
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 1833
 gaggttggtc tgtgtactag tcatttttgg atggactgtg tccccggtg tacagggtgcc 60
 aggagccaag tgacaaagtc aaagttggaa atgaaagggc atttgacttg gtgaggggaat 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
 tcaactgctgt cgctggcctg acttcctatc cttttngaca cggttcgccn ngtcgtatga 120
 tgatgcagtc tggacgcaaa ggaactgata tcnatgtaca caggcacngc nttganctgn 180
 ctggcggaag atcgcgcgcg atgaaggag caaggctttt ttncaagggc gcatggtcca 240
 acgtttctcag aggcatgggt ggcgcctttg tgcttgtctt gtatgatgag atcaagaaat 300
 acacataatt atgtcctagg tgttctcccc gagaacaggc atgttgtata atataccata 360
 tcttgaacat tctggacaga ttctctgggc ttgtctgttt tatcagtggc aactattttac 420
 cagttgaaaa gtgggaagca ataatttca tctgaccagt tttctcttaa agccatt 477

<210> 1835
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 1835
 cacctacttc cctgaggtag aacagctctt ctctccaat ggctgcaaga cagtggcctc 60
 ccgactcaca tttttcctct gagaagccca ggtggcatcg ctgcctcctc tgcctgggtca 120
 gagcaaacac gaaaggcctg ggtggctcct ggaagaaatc tttcctaagc tggttggcaa 180
 gtgggaccca gagcacaatg ttaagatgaa gaaaggtgtt ggccaggcca aggaagaaag 240
 gtctagaagc atctttgcta agaaactcct gggtagcccg 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 tcaaattgtc tgtccttcca 60
 ctgagccaga accaagagtt tatgccattt gtcaaggaat tatccgaagc tctgaccagg 120
 aacggcgtgt ctcataaagt cgatgactcc tctgggtcta ttggaaggcg ctatgcaaga 180
 actgatgaga ttggcgtggc tttcggcatc actattgact ttgatacagt gaacaagacg 240
 cccacactg caactctgag ggaccgagac tccatgagac agataagggc agaggtctct 300
 gagctngccc antngtggtc cgcgatctgg ccaacggcaa cattacctgg gctgatgtgg 360


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aggccaggta cccactcttt gaagggcaag agactggcaa gaaggagaca gtagaggaat 420
gagaacagct ggcagcttat gaccatcgtg ctaataaata actcatcatn tccactacac 480
agagcattgt gactgcatcc agggacggtt tttcctcagt ggctgcttgg ttttactccc 540
acaa 544

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<210> 1837
<211> 179
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

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<400> 1837
aagtcaaagg gctcccttag ccagacgtag agccttcccg agcgctgctc ttggncgggt 60
gctcctggct gtcccagtgg cctacggtgg ctccagctgc agttcatgct tgctctgcag 120
gcaccgtgtg cacctccagc cttcatggga ctacttacca ggctgtgtcg ctaaggagg 179

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<210> 1838
<211> 390
<212> DNA
<213> Mus musculus

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<400> 1838
ctccagcctt catgggacta cttaccaggc tgtgtcgcta aggagggatg ggctcctcaa 60
atTTTTtgag caatttagta cccagcagt ggatttacag gaagcagaac ccaggccaca 120
agtctgtgtc gtcagtttct cccgttgtaa ttactgaaat ggtgtgaagt aaccaagggt 180
cgctttggag acccaggctt ggccgcaacc cacaacaaa tctaggaagg gaccttaaag 240
ccataaggct aggtccccct gtgcagacct tcctacactg tgctgtgtac atcctgaagc 300
atctccaatc ctttttagtt aaacaacctg aggggctacc ctgtgtcggg ttctgggtca 360
ctgaagggtga ctactttttg cttgaatgaa 390

```

```

<210> 1839
<211> 522
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature

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<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
 tgatgggact ccacatttgg ctggccgtac cagtgtcagc tcaactgctga gctgtgaggt 60
 ggtgtgaccc agcacaagat gtataatggt gtttcctgag ctcttggtgt ttagcattgt 120
 cttggttngt gttaagccgg tgttgccctg ggcctcccca taccctgggc ctccctgctt 180
 cctggagctg gattacaggg cgactttatc acgggagtct ccttggattt tngccaccta 240
 gccacagaca cccagctcag ccctccatag ccttcctacc acagagagnt gggntagcan 300
 gtcnctgata tctaggatac aggagncatc tgggtccccgc tttgtgctgt gtgctccatc 360
 gttcctggtg tggttgtctg atcggctgcc tgggtggtgtc atctgggttcg ttcccaccaa 420
 gccttcctgt tcctgtaccc attcctgcag gaaggggtgag 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
tggaccattht ctctgctgga agcttcaaca gaagagttaa cacttcctgg ccaacactgc 120
tgttcctgac aatgccttga gacttcagga aaatcttggt 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 ttgcatthta 240
acctggggat ctatgcatcc tgtcaagagg gtgggtcccc gtccccgtgt gtggaaaaga 300
gacagtgtgg cttgctgcca ggctcaggcc aggtctggac agctctcact ctcttcaagc 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 ctggcagggt tggacactgt 60
cccaggctcc agctgcaaga tgggctcctg tcacctaatt 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 cancccccg ggctccaga ggctccctt tgctctcagg ctcccacggg 120
 ccatggaac ttgaaagcag agccagagga cat 153

<210> 1844
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 1844
 aaacttcgtg gcagcccggtg 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

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aatgaatcct ctatgccga gtagcttaca gggcctttcc tctggtgtca cagaactgag      60
gaatgttagc caggaaggat gggcacagac tacaatagca acaagactca ggggtgcccac    120
aaaangcgtc ctccccacag agggctccat cgtgggaaag ggcaaacctt ggactgattg    180
tgtggacatc ctcagggacc tggttagccc ntagcatggg agtgtgtggg ttttaaataga    240
agggtgggctt ctgtgacctg agaccacag ctgtgaagtg cctgcacaaa gtgtcaccac    300
ctgggccatg accctgctta gccactcct cacntccac tccttcctg acaagcacc      360
actttctntc tcaatggatn tcctgtttct ggactcttcc tataaat                    407
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<210> 1846

<211> 142

<212> DNA

<213> Mus musculus

<400> 1846

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accaaggggg tcttcatttc tgtgggaaag ggactccaaa aggcattggg ggctatggcc      60
tccaacctag gtgctccaag gtgggccagc tgctcgtagg ggcacctggg aaggtcgaag    120
gactccacct catcaacctt tc                                              142
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<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

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aggccatcac cattgaggct gagccaagag ccgatggcag ccgccgnacg acacgctatg      60
acatcgacat gaccaagtgt at                                              82
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<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

<220>

<221> misc_feature

<222> (282)..(282)

<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> (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

ctgccctcca ggctgttcta ggagcctctt gtctcctcca gagatacaac cccatcagaa 60

cccctgccn ctctggctcc tcctccaaga cctgcccttg tgctgcctgc tcccagaagn 120

ctgtcaggtc actgtgccct aatgggttgt ctcaaaaagg agccatgtgc tgnccccgtg 180

agggcacctg gtcattgtaa 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 tgggtgtcctg cctgtctgtc ctctcctgtg tagccctgtg 180
 gtgcaatgcg acgaatggac cctcctgtca ccctgctgaa cacaatttat tttctgagtt 240
 gaagataatt tattattatt atttttgtca gagaagtatt taagctgagc tgggtggcgtg 300
 agaacataat ctaatcttcc acattcgttt gcaagaagag tccaggaaac atggcgttgg 360
 tctgctgtgc cttctggact ttccccaac 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 gctgtgcca 120
 ctgagcccc 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
 gtatccctct cagtcttaac tagacancn nactgtgtgc ttttgtgtct ggccctattg 60
 catttactgt gctcatgctg aaaggaaagt aacagcttta gaaactgttg aaaataaaat 120
 agggaaaacag gctgggttga attcctttgc tgggaattgt ttacagctc ttcagtgggc 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

<220>

<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

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

<400> 1852
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 ccaaaaaaga aaatgcttgt aatatttata gtacaacgtg aaaccaanna aaaaaaaagt 120
 tattnnncnnn antannnnnn tantnnnnnn naanannnnn nnnnnnnnttt cctttaataa 180
 ttctttttct ataccgtcca ggancccagg ggtngagcac caccagctc aatcattaat 240
 caagaaaatg tccctctgct tacatttctt 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

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

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

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

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

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<223> 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)
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<223> 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

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<222> (415)..(416)

<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> (441)..(441)

<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> 1853

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tcaggccacg tcaggaactc aaagagccaa agtgatggag atgagaagaa gccggnccca 120

gtngatggag cacgncgctg ctcaatgacg cctnnngggt cctaaaggaa atccagagca 180

cgctggaggg ggaccggagg agctatggca attggcatcc tcaccgctg gctgtggggt 240

gcaggctcag caatggagaa gcagaatgac tgggacagca cccaggctgt gggatgatca 300

cacactactg agggccttgc cagcccaagc cgggccagg gngtgccagt gccctnggcc 360

accttcctng ttgcntgctc ctgncctcag gagaggggag ctcccaccgg ggccnncccc 420

tcctgggccc ntgtctgtct nctntcctg 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>
<221> misc_feature
<222> (267)..(267)
<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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<221> misc_feature
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (278)..(278)
<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

<220>
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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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<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)..(317)

<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> (345)..(345)

<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> (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>

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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>

<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

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agtgcgcccc cacggggcct caccacgcg ggatgcgctg gacacgtgac agcccccccc 180
cccccccccg cgcgggccgc acagacgctg gactaactgc gcgcggtttg catgggatgg 240
gatggggcag gctcccctta gggancnggt nttntganat gcanacctnt ncagtnccntn 300
cggtnccngg gnccatntnt gcttcttcat ctcaggaatc tctcngacca cggactctca 360
ncctccactc cactagctcn cctcgatnca aanggcantc ggtgaggcct gntcttgagt 420
ggagatggct caaccct 438

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<210> 1855
<211> 431
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<400> 1855
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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 ccaactgtcca 300
ctgattacag aaagcgttag ttagtcacgg attgtttgat ttctggctcc tccctgccag 360
ggaaaggggg ctggccaaat catcaccact acttctggcc tggcaccagg gtgagctctt 420
gtttccttaa a 431

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<210> 1856
<211> 412
<212> DNA
<213> Mus musculus

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<400> 1856
gcacactgtt tgatttggtc tctccccaaa gctaggcttt cacattagaa agtgtttggt 60
tttttgccat tgaaacataa tctcatggta gagtccagct tctgtaactc cttatggaac 120
tcaggcgatc ctctgcctt agcccaccca gggttggcat tgtgagcata tactgtcttt 180
cctgtaagac tgcccttttag gactaagtcc tttgtgtata atgttagtca cacgttcggt 240
cacttcctct cttgctattg tgaataagat agccgtatat atggatatga gatatgttac 300

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cctgtttttca agtccttttac 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

ttacagttag ggacagtggg tggcatgcaa cgctccctct ccgtgttgca gagtcaccct 120

gcctccgtgc ctacctagct tctcctctgc tgcccttgga gtgtggagca gggctgggac 180

cctggcacta agtccgttga ggatcacgcc agtgtagggg ctgggtggga gcagacaggc 240

caccggcctc aatgtctcca cagggaat 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>

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<222> (126)..(127)

<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> (339)..(339)

<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> (363)..(363)

<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> (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 atacagtgt gcgtgagctt 120

tggntnngga gactgtgatg tgacaaatag tggttgcagc agccttgcca atgtcctgct 180

ggccaaccgc agcctgaggg aactggacct cagtaacaac tgcattgggg gcccaggtgt 240

cctgcaactg ctggagagcc tcaaacagcc cagctgcacc cttcagcagc tcgtcctgta 300

tgacatttac tggacaaatg aggtggaaga acagncttnc ggnggccctg ggaggaagga 360

aanggccntt ccntgangg antcatttcc tgatgttctt ctggacacat caatccagcc 420

ccaggggagc 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


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ggctcctatt gctatcttact gattctggaa ccacagacct gggctaatagc agagatccac    60
tgccagaagc atttctcagg acacctggca tttctgctca cttatgggtga aattatcttt    120
gtgtcctctc tgggtgaaaaa 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

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<210> 1860
<211> 277
<212> DNA
<213> Mus musculus

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<400> 1860
atgccagta ggtaagtctt ctctcgctcg gcatttctcc agaggaagct caggttttcc    60
ttctggtaca gcattctgcc tctttagccc caggcttgcc caaacccta gccaggaagg    120
gcaaggccag gaacgaggat ccccagggc cccacagtgc ctgagaagga ccatcctggc    180
attagcctac ctggacttgg gtcacctgca gcccacaacc tgtctcttgc tgcccgccac    240
tgtcatgtgc ctttgccttt cctgaactct gccaggg    277

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<210> 1861
<211> 398
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

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<400> 1861
tcacactgta ccctgaggtc caaatgactg tctgtcctgt aacctgatgt ctcaaccag    60
tgagaangag tcagttcctt agtgttcacc aacacgggag gcttcaccgg aacaggcttt    120
tgctttgggc tctgtgtttt gtttgcagaa cacccaagag cgagcgaaca cacccttccc    180
agcagtacct tagggttttg ccattgtaaa tgggtctaata gtgatatgac aagaccagag    240
aaattggatg taaatttaca tttttgaata tgcttggtgt ttcacatgat acatttaggg    300
tatgcagctc cttttgtagt ttttattttt actatttaag tttggaaatg atgccaaatt    360

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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 cctgaccctt gtattgtatc cttgctccca gggctccctt 60
 catggccttg gaactgttaa cttggtatct cagggttaaac tgtcagctgg tctagcctga 120
 ncgaggcctg agaccatcag tcactaagag cagtggctaa cctcatcgaa gttggaagga 180
 atgtttttta aattacctct tcgagcctga atacaaagaa taaaagaata aaagaattct 240
 ttttaatttc gggaagatca gaaaagaaag cctaaagccc tttagcgttg tgaacctcag 300
 tagtagctga aagagaagct gccacagggt 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>
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 <222> (70)..(70)
 <223> n is a, c, g, or t

<400> 1863
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 ctgtggaggn tctgtgagaa caggcggaag gtgttgtacc agcgtgccc cagaaacatc 120
 caccgccacg tgatactgtc tgagatcaag gaggtgtgtg 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
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 agagccggtg atgcgtgtgg gccttgtggc cgcnactcag cggggctcag ggttaaggtc 120
 cctcttgagt ttggatgtga atatcctaaa gctatcaagt acctgtgaaa ctctgcttca 180
 ctgctcttct ccttctgaga ggtaaacaaa tcatatTTTT aagggtatTT tgTTTTtagtg 240
 ttaaatagca tcccacgagc tgcattTTTta 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
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 tctcagcgag acttgcaaact acttgatatct gctattttgat gaagagaatc cagtacacaa 120
 atctggaacc agatacatgt ttacaactga gggccatatac atatctgtgg acaaacgtct 180
 tcgggaattg ccttggaagg aattcttctc tgaagatggg gagcgggacc aagaggaaaa 240
 gtttgtacac agacctaagt ctcaggagct cagagtcatt aactccagtt ctaattgtaa 300
 tcgtgttctc gatgagagga gatactcctt ncccttaaag agcntntnnn tgcngccaga 360
 tcgaccagat ggttggtctg atttgacctg ctcacctcaa tgtggccaga acttaaacca 420
 aacccaagtg taccaaaatn tcctctgagg tggaagcggg 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
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 tgtccctggt gcccatggca attgcccggg gcccgagac ctgaagaagt cagatgggac 120
 gcgtacgtgc gccagactct atgagaagag tgatccatac tatgacaact gctgccaggg 180
 gccngtggtg tctgtggagc caggtactga cctgccctat ctgccctcgg gctggtctaa 240
 cactgcatcg tctctggtag tgggccagcg ctgtgagatc actgtgtggt ctctccccgg 300
 taagcatggc aagaccgca agttaccgc gggtncttac cctcgctgg 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
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 agcctgagga agagccaaag ccggaggaaa agcccgagga ggggcaggaa cccgaggagg 120
 aggagaaatc cgaagaaact tttcgggaga ggctgatccg gtctctgcag gattttcagg 180
 aggatataca caacaggcac ctgagcagtg atgatctgtt tagagatgtg gaggagctag 240
 atgagatcag gaaagtgaga aacaaactnt atagtgcgc gttggaaggc taaccgaagc 300
 catccttacc cctatttaat gtagcttggc ttgctttccc ttttatctga tgttaccatt 360
 gcgatctagc tttcttttca ttagcatttt cctgataaga cttttgccca tcttcctact 420
 ttgaatctgt tgctgttagt ggcttttagct 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
 tgtgtgtgt cctgacacca ggtgaggcag ggaccagcga gacgtctggg gcagtgcact 60
 cagctagcca gatgaacttc atatccactc tgatgtcctt gctcccccaa ttctgccaat 120
 cccccccgcc 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 gtggctctct tctacttcta cccggtgcgc tgtgaatggt 180
 gcgagttcct cacctgcac 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 gcaaattggct attgcatgtg ggtctcgagc 120
 tcatctggag aaagaatcga ttgctcagcg ctcttacttc cgtacctttc ttatgtacgg 180
 attccatttc ctggtgtggt tcctctgtgt caaaggaatc agggacacac agtgcggggt 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
 ttttttaggtc 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 ttggaggag cttntcaga 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

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tttgtctctt caccaaaagg tacagattgc tttaaataac ttaatagtat aatatgaact    60
tattgtctga agaactgtga ttttctgtgt agtcctaaaa ttatagctta aatataattg   120
cttccttgat tatatgatgt aagcactagg gctctcaggc attgctagcg ttccatttct   180
tgaacattag gccagtttac ttgtttctct gggccagcct cacacttggt ccgagcatct   240
cttgtccaag aacagctttc aatattgtta ttcttggtca tagaattctt ggctgtntccc   300
tggggaaaac agcnagaaca gtataggtta gagtcttcag actggaaata ttgcagctat   360
tcagactatc ttcctgtgat aggacactcc cattgtatac tctgtgtctt gtaaattgtgt   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

```

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<400> 1874
tctttgtgtc ctcgtcatag cagaggggtg ccggagcagg ggacaagaaa ggctcttcca    60
gtgtgatgct tagttattaa tctgtccctt tcagacctag cactgtaac aggagagacc   120
tcgctggctc tcttgataac aaacataaca aacggggggg 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 tcgttttttc tgactgggggt    60
ctgacaccag ttttgccac tgctgtgggc tgaagaggcc cgtaggcccg taggccaga   120
agctgctgtc ctgcccttta tcttcctggc cactgggctt cattcccaga tcttttcctt   180

```



```

tcactccaca gccaaaggct atgacaaaac actccctggc caatggcatc actcctcagg 240
cctatcccca gctcttgga tgtgcccctg accaaagaca ggacctcaa aggttctgtc 300
agccaatggc agctcttctt gggctcctct gggccaatag tgttgccctcc agtacccttt 360
gttccctcct caatgtgtgt ccattgcaga gaaggggact gggaccaaag ggggtgggat 420
aatggggagc tgcatttgtg gccctgcac tgaatgggcc ctcccctcat ccaccaccc 480
agttgaactg tgcttagaac ccagaagac tgggttctag cactaggaa 529

```

```

<210> 1876
<211> 512
<212> DNA
<213> Mus musculus

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```

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

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```

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

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```

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

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<400> 1876
tctaccctgc gcatggtggc agtggttggtg tcgcggaactg tgggccctac ncagcggctg 60
ctgctctgtg gcacgctggc tgccctgcac atgctcttcc tgctctatct gcacttcgcc 120
taccacaaag tgggtggagg gatcctggac accctggnag ggccccaaca tcccacccat 180
gcagaggggtc ccagagaca tcccgtgtg gctccctgct gccaggctgc ccgtcgtgt 240
gntcaatgct accgccaagg caatagcagt gactctgcag tcacattgac cctctctgaa 300
atcctcggcc tgccctgacc ccagctccg gggcagagga agattaaagg acagtactga 360
ggatgtgtgt gccagggtct gcagccacca ggctgtggct gcctaaacac ctgctgggca 420
ccaggcttgg cttctgaagg gcacaagacc aggaactcac agctaggact gcaagtctct 480
gcagccaagt gcagaatatg ggtcagctct tc 512

```

```

<210> 1877
<211> 126

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<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
catgttgggt cactgatggc tttcagacac tctgtgactt cagtactcac acatttgatt 60
aatgtgtatt caatgggagt catcatttct aagtcagcgt ttgagttctc ggctgattaa 120
tccttgtaaa gaaaggactg tacttagggg 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
ggtagggcact gttgctgctg ctacctctta gacaagaaaa aaagagtcga aagccaaata 240
accctcatg gcatccagct aagggtctgaa 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 gcggtctaatt tgcactcgta aacctgtggt 360
 agtagcattt tcaatgactt cctcttctag accattaatg agcacaataa aaagtaaaat 420
 agagctggac atgacacaga cttggaatcc cagcacttga gagaatgagg caggaggatc 480
 cttggttaact 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 caagagtga aaaaatccgga 60
 gggaangttc aaagcgcctt tccaagaga aggggccgca ctttgttgtc ggtgctgaaa 120

gaccctatag caaagatgag aagacttggt cggattgagc agagacaaaa aaggctcgaa 180
ggaaatgagt ttgaacggga cagtgaacca ttcagatgtc tctgcacttt ctgccattat 240
caaagatggg atccctctga gaatgcgaaa atcggaaga attaggagct tacattgtac 300
gctgccctgg ctgtcgacga tgccgcacag cagatgtgaa agctatTTTT tgtttaagat 360
taaantTTTT ctggtgctgg gaaatnttaa cttgttaacc tttaaattgt agataggatg 420
cacaacgata cagatttatg tgaagtttag aagcctcaag ctgtgaggcc cagggctgag 480
gaataaagta aatagaattt ggagtatgta cgttctaatt tccaga 526

<210> 1882
<211> 142
<212> DNA
<213> Mus musculus

<400> 1882
gaagtccact gcctaatac agggaggtac ctgcagtac cttgccctac aggtgtggct 60
aggcatgaca gctccagagg tggactggc taccatgaga tctgtactga tgatcttgca 120
gctgaggctg ggctgacct ca 142

<210> 1883
<211> 517
<212> DNA
<213> Mus musculus

<400> 1883
tcacctcaa gacattcctt cgggagcttc ctgaaccctt gctaaccctt gacctgtacc 60
cccatgttgt gggcttcctc aatattgatg aaagccagag agtggaagtg acacagcagg 120
ttctccaaac tctgccagag gagaactacc aggtgcttca tttcctgact gccttcctgg 180
tgcagatata tgccactgt gaccagaaca agatgaccaa cactaacttg gctgtagtct 240
tcggccctaa cctgctctgg gctaaagatg ctgccatcac cctcaaggct atcaatccca 300
tcaacacctt cactaagttc ctctggatc atcaagggga attgttcccc agcacagatg 360
cccagggggt ctgagctcac cacctccagc cccttctctg gcagcccagag 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 tgcattgcagc actgctcagg taagcagatg catcctttcc 60

tgaccccggg cctaaaagcg gtgattcctgg tggggctggt cctcatgggt ctgattcctcc 120

tcctgggaac ctctatggtc tgcctcatcc gtgtgggttcg cagaaagcag gagcgtgcgc 180

tgcgactgt ttggagcact gcggatgaca aggagcagct ggtgaagaac acctgtgtct 240

tgtagaggcc ccagtgtca gaaccgggag tacaacttgt gctgtttaaa aagagagcaa 300

ctgcttgctg ctgagatcat taggggtttg gtctttgttt cccagtgtg 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
agggcgggggc 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
ctaaccaag taccattatc ctttacagca ggccctcggg tgccnttctg ctgctgggca 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
gttggaaggt ttgtggccaa actgactgaa aggatgttcc caaagagtca ggaataactt 180
ggtaggctttg tagtgtagca gcagcagcac accttgtaaa ctattctttt tctccacgtt 240
gtttatatgg caaaggaacc ctttcagctg ccaattttga atgatgaata tcatactgta 300
tcaccgatgt tgatatttaa ccaagtttgt cttcaggtat aagtttaatg aatgtacatc 360
actacttgct ctgaaacatg tcgcatttta ttttgctgcc cacattgaaa catttttctg 420
ttccctccct ataagtgaca gcgaatcaat tcatacctaag tagggccctt 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 ccatttttatt ttatctttta acactttgag cttttggaaa	60
ttatattata aattataatt attgcaaact gaaaaaaagt ccatgtcaaa cacttagact	120
tgaacaaatg attgaatttc tannttttaa aaatttaaag gatgtgtatg tgtangtatg	180
tatgtatgtg tgtatgtata cacatncaca tncacacata catacatata atcacaat	240
aattgagcca atctagcttt tttcagtata gtttatataa ttaagtgaag ttatttcctt	300
ttaatcttta acttaggaag ctagaacaa agactttagt gtgaagcccg ggtcatgtgg	360
agctgccag ctataatcac tgtcaggttt attgagttta ggagtactgg ttacagggtt	420
aaaactgaga aggggtgctg acgctcagga gccacaaat ccataatgt 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 agaagtgtg	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 ccagggtggta tgcccagtg 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 aggggaagtat gcgtattagt ggcagcctgt tggttcccat 60
 gtgttaaggt atactgtctc ttcccttacag caaaaaaatg tttacttcag aaacaaaaaa 120
 ttaataatta agatgaagaa agccaacaac cancagggtt tgtcttcact gtcagagggtg 180
 tgggtgttcc tcagacctcc ttctgttgca cctctgtggg gtgcctcgct actgccatgc 240
 ccccatatgt gggccctcca gccccctag 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 aggggtgtggg agaggagtca 120
 ctaagatccc tccaatcaga agggagctta caaaggaacc aaggcaaagc ctgtagactc 180
 aggaagctaa gtggccagag actatagtgg ccagtcatcc catgtccaca gaggatcttg 240


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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

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<210> 1893
<211> 457
<212> DNA
<213> Mus musculus

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

```

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

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

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<400> 1893
caagaggcag caagtgccct ggtgagacgg agagagaggg tggacaaggg cgagcaaggg   60
aaagtggaaa cagcaagaaa actagattaa cctcccgtga cactggctgt ttatggattg   120
ggctagcctc gcctccattt ccctaagtga cggaggctca aatctgacat tgagcttggt   180
tgttttcctt gtgttgtgga tggaagcnag ggccttgcac aggctaagtg ccaccctga   240
gcgctgctcc tagtctcctc ctntgctgat tncccgccca gcctgggtccc agcccttgag   300
tgactcagct ttggtctggt cggttggtcc cagtgtgga gctcaacatc taacattgta   360
tccatttgat taagtatttg atacttcctc cttatccctc cttggaggtg ctcactcact   420
gagggcagga gctatgtgtc tcggtcactt ctctctgc                                   457

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<210> 1894
<211> 467
<212> DNA
<213> Mus musculus

```

```

<400> 1894
agtaccctcc ttgcaggaca ttgacgcaca gatggagtag cagttgagac tgcaaggctc   60

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```

cagcaatggc ttccagccct gcctggccct gctgtgctcc ccctactact ctggcaaccc 120
aggccctgag tccaagatct gccctttctg ggtgatgcct cccctgagc aaaggcccag 180
tgactatgga atcccatg acgtagagat ggcgtatgtc caagatagct tcttgaccaa 240
cgatgttctt caggagatgg tgatgctggc tgagttctac aagggtgccc ctgacctggt 300
gaagttccaa gaggcctgga gccagagca tacctacctg gacaaactca agatgtcctt 360
ggccagcagg accccgaagg accagggcat gtgccacgtg ctggagcagg tctgcagtgt 420
gctcaagcag gggagctgag gctgcatagg ctttgctgtc ctgggac 467

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<210> 1895
<211> 372
<212> DNA
<213> Mus musculus

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```

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

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<400> 1895
atgtatttgt atatcttggc ctataaagat gagtaatagg tgaataaatt actgtcaggt 60
gttcaaacac ttaactgtct acctcctgag atagcctgtt caatctacct tgtgcaatag 120
cctggctcaa tattagaact gcagatccac ttgtttctcaa cttagatgaa taatggacac 180
ngttttctcat aattttcttat tagatacaca gaaaagctgt ctatttcatt atcagaattt 240
gtcatttgaa acacaattta cagtcttaac tttcaaatgc atgtgagact aagatgtatt 300
gtgattcaaa tgctaagaag taaatttact tgtaatttct ttacttcaga attctgttta 360
tacttgtagt ca 372

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```

<210> 1896
<211> 213
<212> DNA
<213> Mus musculus

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<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

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<210> 1897
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 1897
 gtggctttgc ccactgcttc tggctgtggg ccacatgagg gtacgtgcc a tcattctctcc 60
 aacccaggcc tgggggcatg tcacatggtg ggaggagatg gaattcctcc cggctgcagt 120
 gtgtctccag cccccagccc agccccctctc 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 caccgcgacc agaggcttca aaggcgagtc 120
 tttggctggg taccctagca cagcctctct ccatgganct cggacacacc gtcaaccaga 180
 ggaggacatg gcactagtca gggaggaagg ccagagccct tcaaccactg tccagcccca 240
 gcactacctc tcaagcaaga agcttaagac ctgtgtcatt ttgagtggct gttcagtga 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>
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 <222> (222)..(222)
 <223> n is a, c, g, or t

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

<400> 1899
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 atgcctcagc ccaaancag tgagcaggag ggtgagagca tgaaggccag ccaggaacca 120
 gctccccagc ctggcacaga tgtggtccca gcagccccca ggaagcccag aaagttctcc 180
 aaactggttc tgctgacagc ctccaaagac agcgccaaag tngctggggc caagcgcaaa 240
 ggagtgcact gcatcatgtc cctggngtg 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
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 aacgatattg gtgaagattc ttgtcaatct ttggttacat tcttggtcac 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>
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 <222> (150)..(150)
 <223> n is a, c, g, or t

<220>
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 <222> (218)..(218)
 <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> (415)..(415)
 <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> (459)..(459)
 <223> n is a, c, g, or t

<400> 1901
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 ggcaggtggg ggacctgcc tggatgtggg ccctgcagtg cggtaggctct gccctagtcc 120
 tctggtatgt aaccagaatc cccccattgn ctgctgcca ttccacacca cccaggcctc 180
 cgtagcccca gggacctcc aagatcggtg ctctctntc caccagact acccagncc 240
 gtggtagtat cacctgcca tgttccgggc cttctggatg agggacagca gagaaggagg 300
 cgaagtagct cttcaagggc caagggtcag catccctctt cattgacggg cccggggcag 360
 agccggatcc tatgcacaga cacagttcct gggactgggc ctctcccca tccntnttt 420
 ttccatttcc ttatcctttt gtctgtctgc ttgtttgtnt ggatcacttc ctatagacc 480
 attggtctgt tcttgaaaa cactacagtc cttgtccatt ctgattgac 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
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 gctaccccgga gctctgctgt caatggcttc tggaagccct ccgtcccagc cccctccggc 120
 ctctgggntcc ggctacgttc caggatcagt ctctgcagcc tttgtcactt gtcccaacga 180
 aaaagtcgcc aaggagatcg ccagggcagt ggtagagaag cgtctggcag cctgcgtcaa 240
 cctcatcccg cagatcacat ccatctatga atggaaagga aagatcgagg aagatagtga 300
 ggtgctgatg atgattaaaa cccaaagctc cctggctcct gctctgacag agtttggtcg 360
 atctgtgcac ctttatgaag 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 aactgaagc acctggtctc ggataagctg aatgtccctg 120
 tgcgccagca acgtctgctg ttcaaggga aggccctagc agatgaaaaa cgactgtcag 180
 attacaacat tgggcccaat tctaagctca acctagtgtg taagcctttg gagaaggtgc 240
 tactggaaga agggctctgcc cacagactgg tcgactcccc agccaccccc atctggcagc 300
 tgatctccaa agtcctggcc cgtcacttca gtgtagcaga tgccagcagg gtcctggaac 360
 aactacagag ggattatgac aggtccttga gccgcctaac actggatgac atcgaacgtt 420
 tggccagccg ctttctacac cctgaagtga ctgaggctat ggaaaaaggg ttctgcaaatt 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 ccaggctcagc 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 gcttttagcaa tgattcccta ggcaactggg aaaagaactt ctcgggtagc 480
 tgacacgac 489

<210> 1905
 <211> 69
 <212> DNA
 <213> Mus musculus

<400> 1905
 ttagcccacc cgttgtagcc ttgggtgta gtcccagttt ccccgacta gggccatgct 60
 gccctcgc 69

<210> 1906
 <211> 86
 <212> DNA
 <213> Mus musculus

<400> 1906
 gggctacccc tatggtgagt ggaactgaca gggactggga tgagaaaatg aggatgcct 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>
 <221> misc_feature
 <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>
 <221> misc_feature
 <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 cccactgaa tggcgatcac 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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 atgcatacctg gcacacacag acacacgtct cntggggtcc cagccccctcc agataccagc 120
 acccagagggc ccttaggaga gcctctgggc acacagaaga cctgctctta tccctacctt 180
 tatgatccta gaagcttttc ttctttcttg gttttaccat ctgtaaaatg ggaatggact 240
 gagtgatttc caaaattctc tcctgattgg cattcctggc cactcagaat agagcccaca 300
 tcccttnttg ggcagggcag cagctncant ccagcatca cacagctgcc actgtggggt 360
 ctgggagctg agcaatgctg tgtgaggggc agagtgccag ggatggagct ggcactgaac 420
 agtagctcca ggcctcctct gggcccaggg ctgagccaaa ctgtgttctg ttctgttaga 480
 attctctgga ttccatagtt ggaatttcct cttctcgttc agtgaac 527

<210> 1909
 <211> 476
 <212> DNA
 <213> Mus musculus

<400> 1909
 gctgttggcc tgctattcaa taccaccttt taaaggattg cacatgttcg ttctgtgtca 60
 gcagctatatt catgctgaca tgtgtgcaca ttagattcac ttctttcccc cactgtggac 120
 aatcagagcc ttctaattct 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 ctttttcctt gttgtatggc aagtcactgt ctcagc 476

<210> 1910
 <211> 481
 <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> (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
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 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 aaaatctaata 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

<220>
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 <222> (332)..(332)
 <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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 <222> (387)..(387)
 <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> (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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 <221> misc_feature
 <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 tccagtcctg tcttccagga ttagcttccc actgcacgga gaccagggcc 300
 actccaaagc tctccttncc tccatctcac ancagtgccc ccatcctcca tgggtggacta 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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 ggggtgggtnc cttgggtggtg agacaggcct cccagagcat tctatggtgt gtgggtgggtg 120
 ggggtgggctt atctgggatg gggnacccca gttgggggttc 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
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 tcatctcttt tatttctaaa gaataattac aggtaacttg atcttttaat gtaccatctc 180
 ctattttattt attgttttct ttctgaggta ttaaaatata tagactgaat ttgccaaat 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

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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
tgcttccttc cgtttccagc atagtcaaaa taactgagaa tcatacagtt tcaacaaacc      420
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<210> 1915

<211> 434

<212> DNA

<213> Mus musculus

<400> 1915

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ctttccgagt ccattgttaa tgactttgcc tacatgaaga agcgggaaga ggagatgagg      180
gacactaatg agtccacgaa caccggggtc 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
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<210> 1916

<211> 501

<212> DNA

<213> Mus musculus

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<400> 1916
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 attctaattgg ctatttgtnc aaaaaaaaaa aannncanna annnnnnnntn nnannnnnna 120
 actgctanna nnnnnnnnnn aaannntnan nannacaaaa cgtncccttn gtgcattnng 180
 ggtncacttt gaaggcgtna naggtngatg tgggttnata aaatnctgan agcatnccca 240
 gatngctcag agtncacacn tgcactgtgt ngcaaacatn cactcattgc aaccgtctct 300
 ttctcatttg ttagttgact ttnaccaagt gctctaagga agtggaacc agaaggaacg 360
 aagctctgtg tnaggatcta ggcttcccat ttcttgggta caaccanct ngaaccctgg 420
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 cacctagctc ttagcagtgt g 501

<210> 1917
 <211> 517
 <212> DNA
 <213> Mus musculus

<400> 1917
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 gaaccaatgt tcagaaccga cgtgggtctgt ttagttaacc acgggggtcag gtctggaatc 180
 gcaaactacc attgatttca tactagtgtg taccgtatct gtaggtgtcc tgtacataat 240
 tctaagggga aactacgcaa gaggtgagg gcttgccctcc caccacgtcg ggggggttac 300
 agccgaggag ggcaatctga gaatgtgctt gtattttaaa caaccaaaaa aagttgtcat 360
 ggggtggcttg ctgccaggca tctactgccg tttctgggag gttcatcttt ggaagagaga 420
 tggcggggta cccactgggt tccctgtacc actgctatgc cttgtgtaag gaaatgaaat 480
 attttatgcc tagtgccac atgcaacatt tcttgta 517

<210> 1918
 <211> 462
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (65)..(65)
 <223> n is a, c, g, or t

<220>
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 <222> (74)..(74)
 <223> n is a, c, g, or t

<400> 1918
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 cctgncgtgg ccancgtggc ggccgtgtac cagattgcct ggtcagctga cagccgacta 120
 ttagtcagcg gcagcagtga cagcacgctg aagggtgtggg atgtgaaggc ccagaaaactg 180
 gccacggacc tgcctggcca tgccgatgag gtatatgctg ttgactggag tccagatggc 240
 cagagagtag caagcggcgg gaaagacaag tgcctccgga tatggagaag atgactccac 300
 agcttattga cccccctcc 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>
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 <222> (50)..(50)
 <223> n is a, c, g, or t

<220>
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 <222> (69)..(69)
 <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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 <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)..(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

<220>
 <221> misc_feature
 <222> (371)..(371)
 <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> (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 tcaactcaaag 120
 tccagaatga cctagagggt tccaaaacca aaagggaaaa tgcgattcat gaaagcacag 180
 atactttgta aattcccatc cccttccaag tattatcagt cttgtttacat gataattaag 240
 atacatgaat aaaaagcagg catatgatga taagtaactt agnctagcaa tataatctaag 300
 aatatntatg aagtccaaaa aggtatnatn aaaatnaaat ataagtttcc atgcaaaatg 360
 gaagtctgta ncacatcaca tttttttaga aatcaaagga acagagaagt ggcttngtgg 420
 gtgncctggcg tatgagttac caaaacccaaa ctntcttctt 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 ggggtgcat 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 tgagggtcaag 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 cccttggtgga 60
 ttgttnggtg ttttctttct ttctctctct ttctctcttt ctctctctct ctctctctct 120
 ctctatatat atatatatat atatatntgt ctgtctgtct gtctgtctgt attctttctt 180
 tgcttctcct ctttttcttt ctgcaacagt gtcactgtgc aaccaggtgt gtgatggaac 240
 tccagagatc cctgttgcat ggattaaagg tgtctatcag gttcccctgt agcttttctc 300
 acatcctggg ctgcatctta gcagttggtg acagtttaca ggtgggtggc 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 gggaccagggt gggagtcttg gctgtcacc 240
 cagggtccatg 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
 tctcagtgtc gggatgacag gcctgccacc acaccttggtg 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
 ggcaactgtag cccacctggt ggcacccaa ggctcagcac gccacaccgt gcagcacact 60
 gcctatccgg ccagcatcgt ccaccaggtc cctgtgagca tggggcccg ggtcctgccc 120
 tcgcccacca tccaccccag tcagtatcca gccagtttg cccaccagac ctatatcagc 180
 gcctcgccag cctccaccgt ctacactgga taccactga gtcctgcaa ggtcaaccaa 240
 tacccttaca tataaacact ggaggaggcc cgccaggag gaggggtggag gagctcccag 300
 accgacctgg agagctggga ttttctactg cagggtgccgc acacaaaca 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
 ttacattcc ctttcttaaa aaaacttaaa cttctgagat gactggacct agactacatg 120
 ctaacctacc ccatcataca tgtagctccg ccatccgctc tcccaacgca tctgagccct 180
 ccatggctga gaagcatgtg ggactcagag aacagactct accccagagc ctggcatttg 240
 ggtactgact gggctatcag tatcttgctt ctgtgtttac atgttccgct 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 agcctctttn nnnattgcaa 60
 gcnngttctc agaagcctcc gtttctctaa gtcagggttg ctttaagttcc aggacaagca 120
 gccacctccc cttacagtga cctgtccagg ctgaggggaga 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 ctttcttgca gcggtacagc tccgacccca caggtgctgt	120
aacagaggac aacatagatg acgcattcct ccctgtacct gaatatgtaa accaatctgt	180
tccaagagg 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

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 <221> misc_feature
 <222> (193)..(193)
 <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

<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 tttttttcac gaaaaaaaaa nnnnnnnnca anancngaag atntgggggaa 180
 gnntcttcct ttngagaaat ccanttttcc 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

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gaagcacgaa ttgtgttcat gaccaccaac tacattgaca ggctggatcc tgcctcata 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 ctctgagggtg acccaccagg 420
ccatgatctg ctctcaaaaa tt 442

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<210> 1932
<211> 430
<212> DNA
<213> Mus musculus

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

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

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

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<400> 1932
acacgcattt ctgcctgaga caatccgcct ttgagngact gtcatatattt atctagagtg 60
ttctttacta tctacttctg tagcagggtg ggaagagagc acggaagctg gccctggagt 120
ccttgaggaa gaaggcctt tggaggtttg gcagaagtca ggtaggntca ctgctgcgtc 180
ctgtcaaagg gaggcaaaag cctgctggag ttgggcaaag agccctggct caaactgggc 240
cagccactga caacaacggt ggcctcaggg tgcagttcca cttcaggagc tcgttcattc 300
accgcatggc ttcaggacgt caggacgctt tgggtggacag tgggtaggga ttaaggcttc 360
caaacgcctt aaacccccgc ccatgctcct ccgcggaaaa acaaaacaag cttgcgagat 420
cctgcagcgt 430

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<210> 1933
<211> 336
<212> DNA
<213> Mus musculus

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<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
 gtatttttcag cactactacc gaaagcagtg ncccctgggg agagaggggt cgttcagagc 60
 cagcatgagc acagaccctt aagatctgca ggcataccta gccatcttg tccctccctc 120
 ttcccttccc tggcagaaga tgcttcatca tccctcccct gaccccaaag ggcacacagt 180
 ccttggtggc cccagggata cctaagttcc tgtgacggtt cttctcccag tggttcgtcc 240
 gggccatttc tcttatgggt gttggtttat ctgcggtatg tggntctgcc aagtaggtgg 300
 agttcatatg gagaggtggt ctcttttagct ccatgt 336

<210> 1934
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 1934
 ctggaagttg ccactacttt ataatgcctc ctaacccccca 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 tgagtgcagc 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
ctcgggtggga 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 cgggtgagaag 60
ccctatgagt gtaaggagtg tgagaaggct ttccgggtcgg 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
aagagaaaact catattggag aagcacccta tgaatgcagt anattctgga agctgtctag 480
taacagcttg tatttctttt gactcagatt attcagtctg gcaaa 525

<210> 1937
<211> 216
<212> DNA
<213> Mus musculus

<400> 1937

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aatagatgtc accacagtcg agagactttc tcagacatat ctctatcaag cttctctggg    60
acctggttat ggtaataaca gctttttctt gcatgggaaa tacaaggctg ctgatctgag    120
aaatctggcc cctgggtgtag gaatgaattt gccagtatcc tgtgttcaga ttcggaatag    180
gaaaggggat cattcaaattg tggaagccgt gccccg                                216

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<210> 1938
<211> 372
<212> DNA
<213> Mus musculus

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<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 ctcatcagc aaacctcatg atgtttccat tcattgacaa tgtagtagta    300
tgtatttatt ttagtgcctt aatatatatt tgatgtattt ggctaattgt aaaatgaact    360
gtctcttgaa ga                                                            372

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<210> 1939
<211> 210
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

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

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<400> 1939

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gggcttctag	cggagcagca	ggaagtacag	aattttgaag	atttgcccct	caccaggaaa	60
accattgccca	cagtcctgc	acagcgtctt	nccctgcngt	ttgagaacaa	gtgattctgc	120
ccagaccctg	gagagcctgc	ccgggatacn	gttgttcctt	tccctgcatg	gcacntctt	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
aaggtggggg	tcaaattctca
	360
tgccgagtga	tgaaccgga
catccctagg	tgctaaggcc
ccaccaaatt	ctctggataa
	420
ggaagttcca	ggaatcttta
ctgataaaca	tcccaatgta
tcaacaaggt	agactctgac
	480
ctccatggga	cagaaggatc
ctgggtcagt	cccctccctg
gggactctgc	agttggctgt
	540
tcatttta	
	547

<210> 1941
 <211> 431
 <212> DNA
 <213> Mus musculus

<400> 1941	
aagatctcta	gggtccagtg
aggacagtgg	gaacaggacc
cctggctggg	gccctagaat
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tcatacaact	tgttcccact
accttataaa	ctaatttaaa
gatgctatgt	tttttaaagg
	120
aggaccatgc	acctgtattg
tctagccttg	acatctggaa
aggctaagct	gttgctgctc
	180
agggccta	aaagtggcaa
agctctccaa	agataacaca
gccccacatc	aaagactctc
	240
acgaataccc	accaagactc
cagggagttc	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
 aaggggtccac aaagctctag actgggcaaa attcagggtt ccatgggctg agcctagcac 60
 gttttttntt tctcctgcct cagtttacct gtatcacagg aagagttaga gcaggggtcag 120
 cctccaaaca ataggggaga cggaagtaca gcagtagtcc tcccggccct cctcctgtat 180
 gccaaaatca tttccgttat cccgaggcag gggagtgggt atgggtgccc ggcagcggtt 240
 ttaagggacc ctgccctgcc cacagcccca gctgaccctc tcctggcatg tcgtgcccag 300
 gtcaccagca acagtggtag ttcacagtc 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
 tgggggctagg aaacaggatc ttcctcacct ggcgtcacga cccaacatg acttgtgact 120
 acgtaattaa atggtgcaac tcatctcggg 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>
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 <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

aacaatgcc aagtctcaagg acaaaaggat gctttaccaa atgaagaggg gacnagaact 120

ccagcccatt gtgagatagg gaccaagang aanccttgac tacctgtgan caccgagaca 180

aagtctacag ctgttttcac gtgaactaga gcacggaaga tgttaaaact atgtctatat 240

gcatcaattht aaaaggcaca atattggctg ggcacaggga cacacatctg taattcaaaa 300

ctggaagagg ctataaggct agcctgagct acatactcag atgttaaattg 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 tattcgctcg 120
cttggtctgtg tttctgatct acaagtttaa aaggaaaatc ccctggatta acatctatgc 180
ccaagtccaa catgacaagg aacaggagat gatcgggtca gtgagccaaa gtgagaatgc 240
acccaaaatc acantcagtg acttcaccga gcccgaggag ctgntggaca aagagctgga 300
cacgcgggtc ataggaagca ttgccacat tncagcagc gagagcacia 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 aactgaggg 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 ctctgcagg 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 tgttgggtgtt 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 cctgccta	240
gaggtctgtg tcaaaaacca caatcaaaag gtgacagatg tcatgttgtg tgcaggagag	300
atgggtggag gcaaagatac ttgcaagggt gactcaggag gccactgat 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 atataatagc cacacacaca tatgtatgta 60
 ggtatgtata tgtatatatg tatatacatt ccaatttagg gnacactgca agaattatta 120
 ggaattcccn ttgccacca tctagatgaa cagggatgca tgtnatatat ttggtacttt 180

canccatccg ggattctgtt ggagacagtt atncccccta attttaaata tatccctgtg 240
 tttactgaat aggactttga cctgttttct tccgggtgctg 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 caccagcc 60
 tttgatcaca cttccccac acacacaacc cctcactccc ctgcagccac cttagtcacc 120
 tttgggcact tatccccagc tttaactcc ttgcacgctg taaccaaggt ggctctggtc 180
 ctggggtacc attacaactt gcaggaaact tccagaacca gcttgggtaa caacagtccc 240
 tgtggctgta tcccacttgc tgtggcttca gtggtgttag ttagtggtac ccacccacc 300
 aaactctggg gcaccctggg gggttgggcg tgggtttgca gaggggtgcta tccctaaaga 360
 ccagcctggc tcccacccta anccccagca ggggccctag caatgttttc ttgttgtaca 420
 agaaccaggt ccaagtgttg cctcctcttc cttccggaag ctgaactgct cctttatatt 480
 ttagagctgc tgattgtgaa tctcaaa 507

<210> 1951
 <211> 476
 <212> DNA
 <213> Mus musculus

<400> 1951
 gatggcaaac ttttttatta tgaacctttt attatgaaat gtgttcctca tagaacatac 60
 aataaaaaatt aagctaaaaa gatattttaa agccatacag ttttactact gataattatg 120
 tcaccatttt tacagatctc ttatagctt tatgtgtatg tgtatattta taaaattcat 180
 tgtcattcaa gtttttttcc ttttagctat tctttatatg ttcttgtgtc agtggagaag 240
 aaatgtagtc tggaagtaaa tattagcttt agtatgcaca cttgagtttt ttggttgctc 300

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agaaactaac tgtaaatagag tcttgaaagt gtctgttgga tttaatcaac aaaaacagtt 360
gtcattttct gactaaggag cttattgtag aagtgaagaa aatcattagg aacagagaaa 420
gctgatgtaa gtattctagt ttctttcttt ccaatccttc tgtccccatt cttaat 476

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<210> 1952
<211> 400
<212> DNA
<213> Mus musculus

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

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<400> 1952
gaaaaccaag ttactgtctc tcacgtccgg agatgggttct ccgagctgca tgaagaggag 60
gtggaagtca gcctccctcg atttaaaata gaacaaaaat tagacctcaa agaagcatta 120
tattctttaa atgtaactga aatatttagt ggtggctgtg acctttctgg aataacagac 180
tcattctgaag tctatgtctc cagagtcatt cagaaagttt tctttgagat aatgaagat 240
ggaagcgaag ctgcagcatc cacaggcata aacattcctg cgatcatgag ttgactcag 300
actcaatttc tagcaaatca tccatttctg tttattttga agcacatccg aacagaantc 360
aattttgttt atgggaaagg tgacagatcc tgacattcaa 400

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<210> 1953
<211> 356
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (124)..(126)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (248)..(250)
 <223> n is a, c, g, or t

<400> 1953
 atcgacccat tgtctcagag cgtgacgtct atctgacctat 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 ctgtgcaca 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 gaatgtcttt gtcagcctcc ctgcacagtc 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 ntaagtcctt agactacaca ggccacagct ctgagctgaa 360
 agtgagagac accttagctg gtggaggctt tttttctgta ttngtttnc 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

<220>
<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

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<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

<220>
<221> misc_feature
<222> (74)..(74)
<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> (80)..(80)
<223> n is a, c, g, or t

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<222> (82)..(84)
<223> n is a, c, g, or t

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<222> (89)..(90)
<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> (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>
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<222> (218)..(218)
<223> n is a, c, g, or t

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

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<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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<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>
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 <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 aagcttcctt canctgnct ncaacangag cctccatana 60
 aaccanannn nactntctgn gnnngactnn agcaatgacc tgatgctgct ccgcctcagc 120
 aagcctgctg acatcacaga tgttgtgaag cccatcgncc tgccnactnn ggagcccaag 180
 ctggggagca catgcctngc ctcaggctgg ggcagcanta naccntntna antntnccaa 240
 aanncnaaaa ngatctccag tgtgtgnncn tcaagctccn ncctaagag gncgtgtgna 300
 aagcccanat anngaagggtg 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

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tccatggcctt cttccatcat aagtcgggta gaaccatgtt cactgcttca cagctctaac 180
ccatgtgttg tcttatggct ccattatata ttactatag 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

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<210> 1957
<211> 574
<212> DNA
<213> Mus musculus

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<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 tgcattggca aaccaaaggc ctgggtgcac cgttgtgtat 480
gctgctgggag ctttttattt ctgacggttt gatgtggctg tagaaagtca gccactgagt 540
agctgtttgt ttatcgccct tctgttgtaa acat 574

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<210> 1958
<211> 328
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (57)..(58)
<223> n is a, c, g, or t

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

<400> 1958
 tctgtggttt tctgtgcca tccacctcag gcctccttgg atggcagcag tttngcnccc 60
 atctttacttt 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 catgcctggt 240
 tcgtaggcct ctagagttag tgtctcttct gatccttagg taactgccac cctgtggatt 300
 ctacttcctt ccctcttagg atttacatat agtctgtaaa gcactcttga gtctcactaa 360
 tgagaagaaa atgcatgata gactttatat tgttttttagc aggagctaaa aaatacattt 420
 tgaagaagca gcatagcaga ggcagaaaca tagcacccaa gtctgaaaca attggcacca 480
 gtcttcctt ctgcagtttg ttcaata 507

<210> 1960
 <211> 554
 <212> DNA
 <213> Mus musculus

<220>
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 <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 tttttttttn nttgtttnnn tgttttgttt 60
 tgttttgttt ttcttaatca caagggcgtg ggtcagcctc ccctaggact tcatgtctgt 120
 atatttcccc attcactgct ctgactatct gagatcggct gagatgaccg aggtgatgat 180
 gaacgctcca tccatggaag agattggtct cagccccgcg aaggatggcc tttcctatca 240
 gatctttccg gacccatcag actttgaccg ttgctgcaag ctgaaggacc gcctgcccctc 300
 catagtgggtg gaaccactg aaggggaggt ggaaagcggg gagctccggt ggcctcctga 360
 ggaattcctg gtccaggagg atgagcaaga caactgtgaa gagacaacaa atgaaaagaa 420
 ggaccagtag agtccacgca ggctngcctg ggtcatgcca gccagcacac ctgaactgtt 480
 tttcccatgg tgatggaaga agagaatgag ccacagtcac 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 ggggtgtctgc tcacctgctg cagctttagt gccttagtct gtgcatgggtg 180
 cagcctcact ggacacagac tggaccttag agcatttttag aggttgccac atgttccctg 240
 cgacactatg tcccgtgaa ctctggacca gcatgcatca cagtccgggc tgtgccctgg 300
 cctgtcagtg aaggcctctt gcttgtcacc atcccgggtg gctatgagtg agcgcctgcc 360
 aggggtcctg tggacgccag tgtatgctgc tcaactgcatg ttttagaaac aaaagccgca 420
 ggctgacga 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

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gggcgttact actttatatt acatgctact aaacagtccc ctcccctcaa ctcttctggc      60
agggtgttga agagaaatgc ttagttcaat catattaggg gggattatga agaagcttta      120
aaatcctaag cctggtatgc agtgtganna gtgttcagag agcttggtca tgagagctgg      180
ttatcataga caatttgaaa gaaacccaaa aaacagcttc cctgacagaa gatgccagtg      240
atcaacatcg aagacctgac agaaaaggac aagttgaaga tggaggtaga ccagcttaag      300
aaggaagtga cactggagag aatgatggtt tccaaatggt gtgaagaagt gagagattat      360
attgaagaaa ggtctggaga agaccctcta gtgaagggga ttccagaaga caaaaacccc      420
ttcaaggaac tcaaaggagg ctgtgtgatt tcataggcgg gaaggcattt tcttagaata      480
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<210> 1963

<211> 360

<212> DNA

<213> Mus musculus

<220>

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<222> (82)..(82)

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

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<223> 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> (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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<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

<220>

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<222> (235)..(235)

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

<220>

<221> misc_feature

<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 aaggncctgga 180

tcttgnnacc tgtgantggt ggagactgcc ntinnccagga 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

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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
gttggttcagt gccaccag                                     378

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<210> 1965
<211> 565
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (188)..(189)
<223> n is a, c, g, or t

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

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

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<220>
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<222> (249)..(249)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (254)..(254)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (342)..(342)
 <223> n is a, c, g, or t

<400> 1965
 cgcccaacct gtgaagcaaa tgatttctta tttagttgag taaacagaga tatgccttta 60
 gaggcatttg ctgtgttggt ttatagcatg ngtgtcattt gtgttaataa tctaaaggat 120
 atatttccaa cttgtaaagg gnagtcacta tgnaaaagaa catcagttct catcaagcta 180
 taaaaccnng aagaggttga aacttatntt aggcaataaa atcagttcct gcccagggna 240
 ttccatggnt aggnagtga tggatggcta cttttgaaca agcttcaaag gaggcagcaa 300
 gggaagaaac tgtgaggttt tgtttttgtt ttttaacctg gnaagccatt ggcaagtcca 360
 ggatgagaag taaaagtctc ccgagtctca gtgttgatg gtgggagttc agtggtatgc 420
 tgcagagggt ctctgtacag gaagtggact tctgcagaca gaagggggat atctcattcc 480
 tgagttcaat tcaactggtct ttatTTTTTt ctaacaatat ttttattgac tatttagaaa 540
 tttctcatga tgaaccccaa gcacc 565

<210> 1966
 <211> 513
 <212> DNA
 <213> Mus musculus

<400> 1966
 gataagtga gcaccaccac tcaaagtga atcaacttga aggatgaact gctgagttct 60
 acatctatag agtgtaggcc aggcaatgat cttctggaat ccctccacaa ggaacagaac 120
 agatggtaca gtgaaaccaa gactttttca gattcctcac agcacacagg cagaggtttt 180
 gaaaaatatt ggttctgtta tggataaaaa 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

<220>
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 <222> (350)..(350)
 <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>
 <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>
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 <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 acgcccgtg tcgtgggtgg 120
 aatgccgggg cgcggtgccg ggccagggt gctgccagg cctgcggtg aagcggagga 180
 agctcacctt cgagtgcagc gatgggactt cgtttgctga ggaggtggag aagcccacca 240
 agtgtggctg tgcccagtgc gcataatgtg cgggtggcac actanccggg ctggggcggg 300
 catcaccagg atagcgctg gatcctgggt ggcacgggg cactgagctn cttcccagc 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 gtcaaggctt actggcgtaa 120
 ttacctgtta cttatttact acttgccctc aacatagctt tctccctggc ttcctttctt 180
 cttagacaac ctaaagtatc tatctagtct gccaatcttg 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
 tggatcatcat ttgctacaaa gccataaaga ggaaaccact gagaaaggnt gagaatggca 120
 ccagtgtcgc tgagtacccc atgagctcct cacagagcca caaaggggtg gatgtgaacg 180
 ctgcagtggg gtgaacctgc aggccctggg acccactggc cagaagggca ccgtggtgac 240
 actggtggac atggatggca ggtggacatg agctgaccgt gggcctgtcc aggacttcgt 300

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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

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<210> 1970
<211> 396
<212> DNA
<213> Mus musculus

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<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

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<220>
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<222> (215)..(216)
<223> n is a, c, g, or t

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<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

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

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<220>
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<222> (241)..(241)
<223> n is a, c, g, or t

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<220>
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<222> (244)..(245)
<223> n is a, c, g, or t

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

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<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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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 ttggnnagnc ttctctgag ggtgagtagg 240
 ntgnntcagt gggtaaaggc actntccacc atccctgaca atttgacttt gttccctggg 300
 acacaaggag anccaantcc cacagcctgc cctctgaaca gtcacacatc acatcatggc 360
 tntcatacac ctcatattccc cagacacaaa aacaga 396

<210> 1971
 <211> 516
 <212> DNA
 <213> Mus musculus

<400> 1971
 aatagttctg tcagggcttg tgccatagtt caggagcagg gcgtgtgcct agcatccatg 60
 ggcaccacat tcgtttctcaa gatccacagt agcagaaagt gacagggagg attgctgcat 120
 tcttttagtac gttgttttga ctgctgttaa gatctgactc agtgtgtgcc ttaccatta 180
 ctggctgaca tgtgggcttc ccagggtgcat cacagggtgag ccaaccacag ggtttggggt 240
 tgcagctggc agctaggctg caggcgctgc cctgggtaca ccaactcacct gaggggcaca 300
 gctggccgga agggtaatca ggaagtgtgg ctccttttcc acttggcata ttacatatgg 360
 ggctccctcc tgcattctaga gatgggaaac tgctgaaga acttactctg gtttaccatt 420
 tgagagagtg cagtcattta tgtcagagaa gacacctgc 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	gagtgttaact	tctgaattat	gggaaaccgt	tatgtatacc	aactcaaagg	120
tgccatctgt	caaaactggg	ttcggagtct	ccgcaagggt	gctgggcata	tctgccacct	180
tctaacactc	tactagaagc	tctgatcttc	aggctccatt	gccacttctg	ctatcggatt	240
gtgtagaaac	tgactccggc	cacttggagc	atgagacctc	aggcttgtag	taagatggtc	300
atctccaagt	ggataggggc	actgtctgat	catggcaagg	cttgcagtta	tgataaatat	360
tgtttctcatc	atcaccttta	ttacagcatg	atgcttcttg	gttagggcac	tcggaccttc	420
ctgaaactca	acacaatcat	agttataaaa	gctgagtgcc	tgaggtcaca	ggatgagagc	480
gaactcgggg	gcttctagcg	tctgctcttc	tgcaattcct	gtctttcatg	tccttctccc	540
cagactcttg	tatttacia					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	tggacgggtga	gacaagggtg
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	ttcttgcata	agccagaggc
		240
tgcccagacc	ttcctgcagc	agtcagggct
gcaggcccta	gaaaagctcc	aggaggaaac
		300
tcagcttcag	gagaggatac	acgcgctcca
gcagatagct	gctacccatg	gatgacctgg
		360

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ctgctcaata tcacccttta ccccgcggcg tatttacctt agggctctct acttcacttt 420
agaagctggg agctttttgt tatacctgag tgtgggtgtg cacttgagat tgtcttagtt 480
catgctcttc agcaacttgg c 501

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<210> 1975
<211> 372
<212> DNA
<213> Mus musculus

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

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

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<220>
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<222> (41)..(41)
<223> n is a, c, g, or t

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<220>
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<222> (89)..(89)
<223> n is a, c, g, or t

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<220>
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<222> (154)..(154)
<223> n is a, c, g, or t

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<220>
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<222> (225)..(225)
<223> n is a, c, g, or t

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

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<400> 1975
tggagagcac tctggagccc agccangacc tctagaggng natgggtggc ctctcaggag 60
tctgacagcg ccgatgccag cccgtcacng tagggaggac cttgccttct cttctagagc 120
ttggcagccc gtcctcccca gcctccagca gtgnagcggg taaccgaggg cataggtgcc 180
aacgcaaggt cacagggatg actgaacaca gctcagccgc ttctntacaa gcattccctg 240

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agcgccctgt ggcctcagcc atccaaaggt gggctccagt aagcacaagt ccacccccct      300
ggggaaagcc actgcctggg anttgagatt ggaaactgac tcgtctctgg aggagttaag      360
ctggcaagcc ca                                                                372

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<210> 1976
<211> 472
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

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<220>
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<222> (216)..(216)
<223> n is a, c, g, or t

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<220>
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<222> (218)..(218)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (269)..(270)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (387)..(387)

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<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

<220>

<221> misc_feature

<222> (417)..(418)

<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> (434)..(434)

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

<400> 1976

cgagacccca gcaaaagtac catttgagac cccagcaaag gctaattctg gcttacgac 60

tatggctctg caccacaggt gtggttccca ccagaaagag atcatgatgt gccagccagg 120

gacctgcga cccagatctt ctctccagag acagttgtga ccttctgaca agcactggcc 180

tgttgtcagc tcncttaca ctcattgctc ctgnantntc ctctgagtgc naaggtccac 240

accagacatc aaaagcatag ntcattcatn gntccggca cccacacca ctgttgtgct 300

gggcttccca tccacactca gaaccagtgt tatatctctc tgtacattgt tccctccact 360

tcaaattgcca agccaggcag ccccttntnt cccgagccct gaacncacct gcagacnntc 420

ntccccaaaa taangtgtgt ccagaaagaa ttttccaaac atcagtcacat 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

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agggcagtgt ggttcccatg aaactgggggt ttacaggtgg ttatgaactg cccgcagagg      60
tgctgagaag agaattaagc acctgcccta actgctaagc ctccagccct gcaccccgca      120
ccccacacc cagcctttga tgtaggagct agggaaggaa ctcaggctctt cacactggca      180
tggccagcgt ctagtggacg gagccacctc cccattccta actcatggca atgcctttga      240
gaagcccagg tccctgttct cagcgtctct cactgtcttc ccaagtagct tgcttctctc      300
ttaatcctag ggcgtaaaat ctgtattcaa atctcttaga cttgagcttt gcttcagaga      360
agtattttta ttcagggggt gacggcatgg ctgagtgggt aagagcactt gctgccagca      420
ctcacatgat agctcatgac catctgtaat ccagttccag ggcattcaga gccacttct      480
gacctccaca ggtaccaggc actcttgtgg tacacatgtg tgccggcaaa a              531

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<210> 1979

<211> 513

<212> DNA

<213> Mus musculus

<400> 1979

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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 ccgtgcccc a ctgttattta ttgctgggtt tcctgggatg gctggagctg      360
tgtcccttag cctttctggg gcttggtgtt cagggccctc ctgcactcac ctcttgctgc      420
ctgttgactt tggaggcatt gcagtccaga ctgaatccca gtgtgggaag tgggctactg      480
atggtgactg tgtacagctg tgcgcccattg ccc                                513

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<210> 1980

<211> 573

<212> DNA

<213> Mus musculus

<400> 1980

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gcagtcagtt ctattgtgaa ttccatccag gttcttgctt caaagtctgc catcttggaa      60
gccacaccca aggaggtgcc tatggtggct gtgcctccag tgggctctaa ggccagttct      120

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cctgccacca gcagccaggc caaaaaagtg gatgcagctg ccaatcaggg taaaaagtca 180
gagatggctc ctgcccaggg tcaaaaggca agcatgggtcc agagccagga ggcaccaaag 240
caagacgcac ctgcaaagaa gaagtctggt tccaggaaaa aaggagagcc tgtgtgctga 300
tattttattc ttcaaaagtt ggaagcaacc ctgaagaagg cattggctct tgtggctgtg 360
gcagcgcccc tgacgttggg aacacctgta tgaaggcctt cgatatcatt ctccttggtg 420
caaggccaca tgggacacaa atcctaata gaatgttgcag tagataattt ctcattaaaa 480
ttcttattta atggcctttt gaaattactg taggggcata aaattgggtc ttgatataatt 540
ttattaaatg ctgtatccct tattcccaaa aga 573

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<210> 1981
<211> 470
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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<400> 1981

gttttgagc 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 tcaggggaatg cagaggggtgt taactaatag acnaaacctt	420
tntccgcgt gctttgcttc acctgtgtgt atatagctct ttggctcgtg	470

<210> 1982

<211> 385

<212> DNA

<213> Mus musculus

<400> 1982

tggtccggtg catccgtttt gataacaaga ggattgtcag tggcgcctat gatgggaaga	60
ttaaagtctg ggacttgcag gctgctcttg accctcgggc cccagcaagc acattgtgtc	120
tgcgcacctt ggtggaacac tctggacgtg tgtttcggct gcagtttgat gagtttcaga	180
tcacagcag ctcccatgat gacactattt tgatttggga tttcttaaata gtgcctccca	240
gtgcccagaa tgagaccgc tctccctcca gaacctacac ctatatctcc agatagcagc	300
ctgcactttg gcccaatctg ggtttcctgg tcttgaacta ctggctatat ggctatcaca	360
tgccctaaggg agttcgttca cagct	385

<210> 1983

<211> 140

<212> DNA

<213> Mus musculus

<400> 1983

attatgattt catctgtgtt acacctttac catataatgc ttctgagagc tgggaaagaa	60
ccagagctca tttattgggc atttggaatg acaatgaaat ttcatataac atacaagaat	120
taaccaacct gatcagtgat	140

<210> 1984

<211> 567

<212> DNA

<213> Mus musculus

<400> 1984

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aagtctccag gcttgttaagt gttcagcgag acggtggata ctgagatgtg ctagcagcag      60
gctcacactg taaactgttc agctcatgtt tgaaactgta ttctattttg ggggaagggc      120
ttgtgtcctg actgagtgtg gaggtcagag gactgcttca gcagtgagtg ctccccctccc      180
tcaggggggtc ctggggacca agtgaacgga gaagggcagg catggtggcc cgcatggcta      240
ctgagctgtc tcaactgccct cagttaatct tctccctcca gagtcttact ttatttatgt      300
gtagtgcatt ttgcctgtaa gtgtgtctgt gcactgcctg cattccttgt gcctgcagag      360
gccagagaag gggctcatat cttctcaatt cttttttaag atcagaatca tatagcaacg      420
tgagtgcaat caccctttta aagattaacc tcctcctgac gtgtgtgtac atgtgcgacc      480
tcagcaccgg gaggtagagg caggaggacc agagtttcag ggttatctat gactgatgta      540
gtaagtttca gaccagccta ggccact                                     567

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<210> 1985

<211> 345

<212> DNA

<213> Mus musculus

<400> 1985

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atgggctctg ttctttgtga tgctcacagc tgctttagt catcattcca gtgaggagta      60
agaagaattt tatgtgtgtc tctacctgtg agactgcaga atctcaatcc tccagctgtc      120
accaggtcac caaccaggca cctgccagcc tctgacctgg gaaatacaaa ctctgtgact      180
tctcctcaac tgatgttttc tgcctactga aggtcactca gaagccatct cgctgtgatt      240
ctttaacccg atcctcgact ttgctgggcc accctcacag ctgggatgaa aagagctggg      300
tcagaggaag ccctgaacat gtacacatcc atgactatgc acgag                                     345

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<210> 1986

<211> 576

<212> DNA

<213> Mus musculus

<400> 1986

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gaagctaacc agcattctag atcctccatc tctcttttcc aagtgtctggc ttacaagcat      60
gctactgctc ttacagaaaa tagacaggct taagggactt ttgtccctta agtgtgagag      120
aggtcgtgta tgtgtgtgca tgggtgtgaa gacagtttat ttgctgttgc tcagtaagtg      180
tgagggcctt catgtatgtg tgtgcacggg tgtgaagaca gcttatgtgc tgttgcttgg      240
tcagttgtct tgagtttttg aagggtgttt gtattgtttt tgagaacaag tctctcgctg      300

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gttgaacca attaggctgg actggctggc cagtgaagccc cagggatctg cctgtttctg 360
cctcccctat gctggagtta agggcattat catagccaac ttctttatgt aggttctgga 420
actaaaactc agatcgtcac gcttgcaagg caagtgaaca ctttaccagc agagctgttg 480
tcctagctct ggctaattgg aattatgtag accaagctat tctcaaatat tggacagtct 540
tcctacctct gagcacagat tccatttggc ctagga 576

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<210> 1987
<211> 519
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (139)..(145)
<223> n is a, c, g, or t

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<220>
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<222> (363)..(363)
<223> n is a, c, g, or t

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

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<400> 1987
tgtacgccac cccaaattat aaagtgcag gcccaagaga gagagagaga gagagagaga 60
gagagagaga gagagagagc gagagcatct gtaaaatatc atcaagaatg aagatctcca 120
agctggctgt tgcaaaggnn nnnnnctcag actttgtaat ataaggctgt tcatctctca 180
gaaccgccat cattacattt gaaatttcta tgggggatta tttaatgaaa aacatgctat 240
gttttatttt aagctgaagg cctattctgg atagttctac tttggggaaa aaaatgttat 300
catttaattt cttttctgta agttaaaact aatgaagtgt ggtcatgtca gagcagacag 360
agntgttctg ggcatgctga ttggccctgg ggtagttaca ctgtttgggg gtattcttgc 420
gtatgcagac aggacactcc ttgtctcgag agacagcaca gccntgaagc actgaagctg 480
cattccccac tggcctgact tggcctcaca tgaacccaaa 519

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<210> 1988
<211> 310
<212> DNA
<213> Mus musculus

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<400> 1988
 agtctggctg ctgttttacg gaggagtgg catttgaca ggtctctggg tttggggcag 60
 aagagtgatc cagaccatgg ggaaggacct cacgcccata acaccgtcca gtggcttcac 120
 tattgagctg gcctctgcct tcaccgtggg gattgcctcc aacatcgggc ttcctgtcag 180
 caccacgcac tgcaaggtgg gctccgtggg agctgtgggc tggatccgct cgcggaaggc 240
 tgtggactgg cgcctcttcc ggaacatttt tgttgccctgg ttcgtgactg tgcccgtggc 300
 tggactcttc 310

<210> 1989
 <211> 509
 <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> (370)..(370)
 <223> n is a, c, g, or t

<400> 1989
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 gggcaaggag gagcctcctt catccaccaa gactaacaca gtaatcattg ctgttccggg 120
 tgtccttgga gctgtgggtca tccttgagac tgtgatggct tttgtgatga agagnaggag 180
 aaacacaggt ggaaaaggag gggactatgc tctggctcca ggctcccaga gctctgatat 240
 gtctctccca gattgtaaag tgtgaagaca gctgcctggg gtggacttgg tgacagacaa 300
 tgtcttcaca catctcctgt gacatccaga gacctcagtt ctctttagtc aagtgtctga 360
 tgttccctgn gagtctgcgg gctcaaagtg aagaactgtg gagcccagtc cacccttgca 420
 caccaggacc ctatccctgc actgccctgt gttcccttcc acagccaacc ttgctgctcc 480
 agccaaacat tgggtggacat ctgcagcct 509

<210> 1990
 <211> 317
 <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> (155)..(155)
 <223> n is a, c, g, or t

<400> 1990
 aagaccatta tgcatgatcc ctttgccatg cggccttttt ttggctataa ctttggaacgc 60
 tacctggaac actggttgag catgganggg aaaaaaaggt gcccggtgc ctcgtatctt 120
 ccatgtcaat tggttccgga gagatgaagc aggcngcttc ctgtggccag gctttggaga 180
 gaatgctcgt gtgctagact ggatctgccg aagattagaa ggagaagaca gtgcccaaga 240
 gactcccatt gggctagtagt caaaggaagg agccctggac ctgagtggcc tcagcgagcgt 300
 ggacaccagt cagctgt 317

<210> 1991
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 1991
 gtatctacct ttgattggaa gaacaaccct ctcatgttca acctcaacgg tgagctgact 60
 gctgaggaac aggtggggat tcgaagtagt ttcctggcag ctggaacaca actcccagtc 120
 atgggtcatca ttacccccca ggaccgcaga agctctgtgt ggacacagga tggaccctca 180
 gccagatcc ttcagcagct cgtgagcctg gcggctgaag ccctccctat cctagagaag 240
 cagctgatgg atccccgggg gcctggggac atcaggaccg tgttccggcc acccttcgac 300
 atgtatgatg tgctgatcca cctgactccc cgccacattc cccggcaccg ccaagctgta 360
 gaccctccag ttgcttcctt ctgccgtggt ctgctcgtg agccagggcc ttcgtctctg 420
 atgcctgtcc tgggctatga c 441

<210> 1992
 <211> 79
 <212> DNA
 <213> Mus musculus

<400> 1992
 tactccctcg ccttgcgctg ctggggccca caccctgcag accggcctag cttttccaac 60
 ctggaagggc tgcttcaag 79

<210> 1993
 <211> 227
 <212> DNA
 <213> Mus musculus

<400> 1993
 cccttgacac ttatggacag cactcctaaa ctgacctct catctcccct ccttgcttct 60
 gcctagctcc atggcttcct tcaggcaaac actgctccac tggacccttc ttccatcaag 120
 gactctggga aagcagggct tgagcatttg tctactgcagg cttgggttcc ctccttagac 180
 tgtgtggtac ctgtggcacc gagtgtctgt acttgagtgg gctctgt 227

<210> 1994
 <211> 535
 <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> (278)..(278)
 <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> (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> (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> (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>
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<222> (316)..(316)
<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> (361)..(361)
<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> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<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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<222> (409)..(409)
<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> (490)..(490)
 <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

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

<400> 1994
 catccctgtg actttggctt tattttacaa taaaacactg aaaatgtcca ctttgttagt 60
 tgtgaacatg agcccaggcc taagggtgctg ggaaacagaa agggcgggag atttttcttt 120
 attctatggc tagaaaatag ttacctcctc tctgaaagtc ttcttcctca tttctgggta 180
 acagaatatc aaacaccttg cttataagtt ataaagtagt gttgtccacc atgaaccac 240
 caagtaaaaa caacccaa atacctatcatg gatgnatnat ncntncnagt ntcagatntn 300
 cactcaatgc cacacnatga caaagatagc aaatgagccn cagacggctc cacccaaccc 360
 natagatgna cacttggttc aaaatcanta aanctcaa atntcccagnt caaacaccag 420
 gtaacaagtt aatactcaac aaagggggaa aacaaatgtt cactgantic ctgtgaccct 480
 gtgggcgtgn ttacacctct ntnttggttn ccatgtgtgc tcaggatgag ctgat 535

<210> 1995
 <211> 561
 <212> DNA
 <213> Mus musculus

<400> 1995
 ttgtgtacat gttcttcctc caaagagtat tcaaagtgtg gaaccgaatc ataacactat 60
 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 ttgggttaaca ctaacttcta catagagtct gagaagtaaa tccaacatgg 540
 gtcatatgtg gccagctcca g 561

<210> 1996
 <211> 567
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (81)..(82)
 <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> (182)..(182)
 <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)..(404)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<400> 1996
 gtctcctggg atgctaccct ggtaacacag gaattcttca accccagcac tcctgtcaat 60
 gccaggtagc aatttgccc nnctctgttc gtcggctggg cctcggccgg cctggccatg 120
 ctgggcgggt cctttctctg ctgcacatgc ccagagnccg gagagggcga acagcatccc 180
 ancagcccta tcgctctgga ccctcaactg ctgccagaga gtacgtctga gtctgcctac 240
 cctgcccagc cccctctccc cagcaaccct cttgcccaga actcgagcca gactaaacaa 300
 taccctgggc agggtagatg gggatatatg atcccttgaa ctcggtctgg agctccaaac 360

acctggctct caacatagcc tctgagtcaa agagantcag acnntcaaag agagatcaga 420
 ggcaagaccc agcccacacg tgaccagta aggaccaggc ntattctgtc gacaccagaa 480
 tgaggaccag gatttattca ctagcttagc caccagctcc ttcatttgcc aacgtatttg 540
 ctgaaggacc catctgcctg atacagg 567

<210> 1997
 <211> 516
 <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> (75)..(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> (382)..(382)
 <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> (439)..(439)
 <223> n is a, c, g, or t

<400> 1997
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 cctgagccgn ctgcncnca tcccggggcc aactcctgaa ccttttacca ccgtgtcgat 120
 tccggggcct cgggctcctg cgccaccctg gctgcctagc cctattggag aggaggaaga 180
 gagtccggcc tgagatcctg ggaccaggac ccctacggac acctacctaa tcctgcactg 240
 gacatactgg cgaccaccag ggtctgcaca agctagctag gccttcagaa agccgacctg 300
 ctcatcttga ccagcggaat ctcccactgg ggctggtggt tttaggggtc catattctcc 360

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cagctgttgc tgcttcctc anccccagcc cccactctt taagaggttt tgccttcnaa 420
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 naccncanan tccctnnata gtngntcct ncntgatntc cncnagnan ctcccnatn 180
 nnngatatat ntggngaacc ctgatatgcc anctancatc acaacccccca cntcaggagg 240
 acaagcttgg tgtgtgtatg tgtgtgtgta aaangggcgg gggntggggt ggggcaggaa 300
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 ntnnttctnn ctttctttcn nnnnttcttt ctttctttct ttctttcttt ctttctttct 180
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 tcttgctaaa gaatgctgca atagtgtcag cttcattttt actttttcca ttgtctgtgt 360
 gtgtgtgtgt gtgtgtntnt gtgtgtgtnt gtntnnnnnn nnnnnnnnnn nnnntccttt 420
 tgaaggaaaa ttgtttntgt agttcaaata cgaaattcag accaaataat aagccaggta 480
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<210> 2000
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 gatgcccgat tccggccaga tcaaaggttt ttggaagaan nnaacctaga agccgcagcc 180
 gcagagaaac aaagagttga ggaactccaa agatcgcgaa gacgctacat ggaggaaaac 240
 aaccttgaac atatacaaaa attttttaaa gcttgtgtct gctcagattt ggccccactg 300
 tggtttagacc aaagatgatt actacaggat tatttaaagg attatataaa catcacacag 360
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<210> 2001
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<212> DNA
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 cagccttcgt gatgccaccc gcgctgggcg acgtgggtgg ccacctgggc ggcacagccg 180
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 ctggtctcac cggcctcaac cacgtggcct ccatgtctga agccaacaac taggctggcc 480
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<210> 2002
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 <213> Mus musculus

<400> 2002
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 ctcaactgtc ctgggtgata gtgacttgcc aggccacagg ctgcaggtca cagacagagc 180
 aggcaagcag ccttgcaact gcagattact tagggagaag catcggggcc tcgtgagcca 240
 ggccccgtag ccagtgccct gctttactcc agccttggtc aggaagtcga aagcccttgg 300
 tgtattcctg gtctcggagc aaataatgag ccagcacctt gaagggtggg ctccaactca 360
 gacatgcagc cagcccccta ggtgggtaaa cgccctaggg acctagggag agcctttgct 420
 gcagagattc ctaagcaaaa cggcgtgggt gagctttggc aaccctagcc ccagctaact 480
 ttggacagtc agcatatgtc cctgccatcc ctagacatct ccagtcagct ggtatcacag 540
 ccagtgggtc agacaggttt g 561

<210> 2003

<211> 192
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 tgtgaaattg aggcaaccct tgagcgactg aagaaactag agcgagatct cagcttttaa 120
 gagcaggagc tcaaagaacg ggagagacgt ctcaagatgt gggagcagaa gctgacggag 180
 caatccaaca cc 192

<210> 2004
 <211> 47
 <212> DNA
 <213> Mus musculus

<400> 2004
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<210> 2005
 <211> 458
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 <213> Mus musculus

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ttctggacat ctaaatactt aagtaaaaat atacaaatac ttcttgatgt gatgattggg 180

ctgtgtccct taaattgatt gaaagttgaa gtatgtaagc tgaaattgca tttaaagcta 240

tcagtctgct gccattaat aacagcaaag cctcctatag aatcttgatc atctcccgct 300

tgtatggtta gattttatgt gattttgtga ctctctgntc ctnnccancn atnccnggga 360

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<210> 2006

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ctctgcttcc tcactntccc caccgacttg ttcttccttg ggagtgtgtc ctcagggaga      180
acagcattgt tgttcctgtg cctcaagctc ccagctgact ctctgtggc tcgtaggact      240
gaatggggtg aggaagagcc tgatgccctc tggcaatcag agccggaagg acttcaaac      300
atctggacaa ctctcattga ctgatgctcc aacataattt ttaaaaagac ctgcattaaa      360
tgtttccatg gaacaatgac caactttaac aaaaaacaca atggagcatt ggtgtttagt      420
tggtagagct ggagaaaaga taaatcccta aaacatgcca gccagcgtag catggcagtg      480
ctgtccacag atggtggtgg gtggtgacgt cttcttcagg tcccagtgac gtgtctgtgt      540
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<210> 2007
<211> 451
<212> DNA
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gggctcccac ttttaattttt ctcttccaag tctccagatt ctggaactcc cgtgtctttt      180
tctttttctca cttgcacccc tgcacctcgt tatgaccctt atttttctgg gattttcttg      240
gtcctcattt tctgactctc tcccacaacc cactccaaaa ggtagtacct caaggcttct      300
cgactcccc tatttcctcg ggatatgaga agcctcgata aacatctctg ccgttcccca      360
tccctatatc aacactctgg cttccctttc tcccatatca cactctggcc caaggacccc      420
agcctgtata tatccctttc agccccatta a                                                                    451

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<210> 2008
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<212> DNA
<213> Mus musculus

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agccttctaa atactagaat tactggtgag taccatcaat tttcaatctt tctgactcat      180
tctctgtagt cacttagctt ctgacatatt ccaccatgga cagctccatc ttcagctgtc      240

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tgagcctatc tatacagctt tggcatctga tgccatgccc cttcgtctgt acaaggttgt 300
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<210> 2009
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<212> DNA
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<400> 2009
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atgtcacctc ctgtttgcgg aagaaaagga aacctcaagc tgaaaaagtt gacgtgattg 180
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<210> 2010
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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

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ctacagaaga aagcagcccc ccaacaccaa gccagctttc agtagcaggc cctgtgtggg	180
tttctgtcaa ggggccatcc atgaagagtg ctctgatgga aggagaaagc cacactcgga	240
tcctgactcc agtctccact gtgctggccc tgcttctaata tgctgctctg atcctattga	300
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taattcagat gacacatttc ctaccagata agctccctga tgagggaag aactttcaac	420
agagtgcct tcttctctcc caagccagcc tgaccgtcct ggagaatgac ccaagaccct	480
gatgatggaa aggtaaatag ctgagtcacc atgaaggga gaccaaacc aaacagcttt	540
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<210> 2012

<211> 158

<212> DNA

<213> Mus musculus

<400> 2012

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tcaggaaaag atcatcagag aaagcatccg gaagtttcca tactgtgaag ccacactcct	120
acagcagctg gtgcgaagca tcgctccagt tgaaattg	158

<210> 2013

<211> 405

<212> DNA

<213> Mus musculus

<400> 2013

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tgtgcagagt cattcacgga aaactgggct acgcttcctt tttccttctt gccctctgta	180
agcttgtgag ggcctcctgg gagtccgcag agtcagatga agtcagtgtg aggccagcct	240
gccagccgtg ctgtgcctgg gagactggga gagcacacct gctgaggaag gtggagacac	300
cacagacagg acggagtcca cctaggccag gcagctgtga ggagactcag ggtctggaca	360
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 <213> Mus musculus

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

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<210> 2015
 <211> 481
 <212> DNA
 <213> Mus musculus

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

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 gaagaaagga agggaagact ggccgatctg agtactattc aaatgatgaa tgacagagat 180

ggagccaaac	ttaaaagcga	atTTTTtgaa	agctacagaa	gattcatttt	agtcctttcc	240
ctggcttccg	tagataatgg	gttgtaacct	gtaagatcaa	ataacctttc	ttccccaaa	300
tngatttngg	ttagtgcttt	atcacagcaa	tggaagtagc	caaggtagtc	aagaatcctt	360
cctgctgtct	ccattgttgc	acattcttac	ccccgtnccc	atctctgcca	gtgtgttctt	420
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g						481

<210> 2016
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 2016	
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ctgggctctc	tgcagctgga tctcaaccga atgcccaagc cagccaagac ggctgagaag 180
tgctccttgg	accagctgga tgacaccttc caccagaat ggtttgtgtc cttttttgag 240
cagaagacag	tgaaaggatg gtggccttgt gtgacagagg agggcgagaa gaagatgttg 300
gcgggcaagc	tggaatgac cttggagatt gttgcagaaa gtgaacatga agagcggcct 360
gctg	364

<210> 2017
 <211> 521
 <212> DNA
 <213> Mus musculus

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ctcatgtgca	catatccact cattcacata catatatata taattaaaat ttaaaaaatc 180
aattcttaaa	attacctttc ccaagtccag cttaatcaag ctgtgagttt attgggatta 240
cttacaggag	tatgggtgag gaggtagtta taaaacaagg ctgactccag acagctgcat 300
cactgaatgg	ccatctgagc ctggctcatg gctcagaaga gcggcatccc tggagctctc 360
tatacaactt	gcagtcagct tgaaaggcca aagactctct tcctcatagt tgtgaactac 420
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gagctgttta tatcctgagc cttaaggagc tttcttcagg a 521

<210> 2018
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 2018
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 ggtcaggtgt gtttagccgg atggcagagc tggcaattat tttggatgca gacatggctg 300
 gtagatagac ttggccaccg ctgagtgggt tgatctgtgt attcatttcc tttattttga 360
 ctaaataatac catgcattta gaagcttcat ccctctatgc cgtggatctg aagggactgt 420
 c 421

<210> 2019
 <211> 526
 <212> DNA
 <213> Mus musculus

<400> 2019
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 taatattgcg gatagagcac caattggcaa acattttggg gatgtcttgc agccagcaaa 120
 acctgaatac agagtgggag aagtggttga agttatattt gtaggcgcta acccaaagaa 180
 ttcagcagag aaccagaccc atcaaaccct cctcactgtg gagaaatacg aggactctgt 240
 agctgactgg cagataatgt ataacgatgc ctctctgggag 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 gactttctcag 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 gctaccata aatgatagaa agagttgaaa	420
tgtgagccag gtgaacttgt tctcctggag gcttctgctc tgaacacttt gctttgatga	480
atttgaataa ggcattggatg aagcaagcca cattatctct ttctttctcaa cctccccctc	540
caccctctta tcctttgtat gtcctaacct ctt	573

<210> 2021
 <211> 571
 <212> DNA
 <213> Mus musculus

<400> 2021	
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cagacactgg atcgtgactt catgactttt ggagggtgcca 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
aagggtggaac ctcaggacaa taccctggca ggcttcaggg ctgtaccact ggccctctct	480
ggctccaata ctgctactct gagggccctg cccatgattg ctgtactgtt cctgcagggt	540
agcctctcgt gtctccttgc aatgctgcag a	571

<210> 2022
 <211> 577
 <212> DNA
 <213> Mus musculus

<400> 2022	
aagaacaact cttcttccat ctcatcacc c agtccttaaa tgccccacct tagtacaggg	60
taggggttagc ttttgacttg tgttagcttt caacttcttg gcttggtttt cttttgtgtt	120

ttggtctaga	caaaattatc	cttgggtataa	gaaaaggaaa	taaagtttta	aaaatgttgg	180
gctactacta	gcacagcaat	cactaacatg	acaaaagatg	actcatttca	tgtaattttt	240
ccgagctcaa	gatacatcac	tcaccgctcc	attcctcggg	ttcacgttca	tatctgtctt	300
ttcatctgca	cacctggaca	cgtgcacact	cttcctttgc	ctaagcttta	gctatgcaca	360
gaggtaatgg	atcgtcagga	gagcctggca	ggctctgggg	caagggcatg	acagccacag	420
acagggaggg	ttgtaacctg	tgccctggga	tcctgaacct	actggacacc	ccacacatca	480
cctgcatggg	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	atcttttaaaa actacagccc taattatttc agcattagga ttcctaattcg 120
cactagaact	aaacaacctc accataaaac tatcaataag taaaccaaac ccatactcat 180
ctttctcaac	tttactgggg tttttcccat ccattattca ccgcattaca cccataaaat 240
ctctcaacct	aagcctaaaa acatccctaa ctctcctaga cttaattctga ctagaaaaaa 300
ccatcccaaa	atccacctca actcttcaca caaatataac cactttaaca accaaccaaa 360
aaggccta	taaatgttac tttatatcat tcctaattaa catcatctta attattatct 420
tatactcgat	taatctcgag taatctcaat aataataaaa ataccgcaa acaaagatca 480
cccagctacc	accatcattc aagtagcaca actatatatt gccgctaccc caatccctcc 540
ctctaacata	acccaacat catcaacctc atacatcaac 580

<210> 2024
 <211> 520
 <212> DNA
 <213> Mus musculus

<400> 2024	
gagaggctag	cataccacca ctgaatccca aagcccagga agaagggtgaa 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	tcactttttt	gaactggacc	atatacctcag	cctcctgcag	300
aaggacctcc	gggggtctggt	gcaggcagga	gctggacaag	aggcttcagg	agtacctgtc	360
cacaggaagc	ctttctctag	agcctgcatt	acccatcacc	aggacgatag	gggttctgag	420
gagacagccc	atctccccc	gcatgcaagc	ctgacccagc	tcaaagccat	gtcttactgg	480
ggaaaaaaaa	tgggggatag	aggatttagc	cagtgccac			520

<210> 2025
 <211> 366
 <212> DNA
 <213> Mus musculus

<400> 2025	
taaacacagc	ttgcatgact
tcctctgtga	atagtgaggc
ttcactgacc	aacacaagtg
	60
aagaacaacc	agaacaacca
aaaaaaacca	taggagtga
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
ggtaacaat	tgccctctgc
	180
agctctctgg	tggaggccct
ccttgagagt	aagtaacaat
ttagatgaag	gcaagtcctg
	240
gtatcaggtc	caaaagaaac
tcaggatgaa	tgggtccactg
tggttcctat	taacatactg
	300
aagaacatga	cctcacctta
cacgtctcca	cctcactgac
ttcccttccc	ctagcttctc
	360
attcccaggt	aaccctgcc
ttttttggta	atgtgccttc
ttggttctt	
	409

<210> 2027
 <211> 313

<212> DNA

<213> Mus musculus

<400> 2027

agagtagtgg tatttcaccg gcgcccgcga ggccggcgtg ccccgacccc gacgcgagga	60
cgggggccggg gccggggcgcc gggggcctcc cacttattct acacctctca tgtctcttca	120
ccgtgccaga ctagagtcaa gctcaacagg gtctttctttc cccgctgatt ccgccaagcc	180
cgttcctttg gctgtggttt cgctggatag taggtaggga cagtgggaat ctcgttcac	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 tgcacccctt 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
ccccaacac cgtgagcttc gggtcaccaa acgcaacatc ctagatgtgc gcccgcgggc	360
cagtcctcgg cgcagccagt ccgccagcga ggcccccttg tcgcagcaca ccctggagac	420
attgctggag gagataaagg ccctccgaga tcgagtgcag gcccaagagg agcgcatcac	480
tcggttgga aacatg	496

<210> 2030
 <211> 219
 <212> DNA
 <213> Mus musculus

<400> 2030
 gtttatacag aagtggcatc tcccaatgat acggcacttc ccccgaccca ccgtgtcat 60
 tgccctcaag actgcttcca ggaccacgc ttggcaaaaa tggaataata caagtgtcgg 120
 gaagagtttg aggggcccac tgctggtagc atagcaccgc aaatttaacg gcctcacgtc 180
 gtgcagcgct cttccctgct caacatttcc tgggtgaaa 219

<210> 2031
 <211> 520
 <212> DNA
 <213> Mus musculus

<400> 2031
 gaatagttaa ttctgcggtt tcttaaatac ccaatataaa aatgaaaatg ggtgtctggc 60
 attgaacttc ttactgctg catacctgat gtttttgttt gtggctcctt gtctgtccag 120
 cctggctctg gtggccaggc tgttctgtgg tactgggcag ataaagctta ccagattgta 180
 tgtaaccatt attctgagca ttttggtttt tctcctttgc ggattgccct ttggcatcca 240
 ctggtttctg ttattcaaga ttaaggatga ttttcatgta ttgatcttg gattttatct 300
 ggcacagatt gtcctgactg ctattaatag ctgtgccaac cccatcattt acttcttcgt 360
 gggatccttc aggcacggc 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
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 gtgtggtgac ttggaatgtg aaactttgat cagccgagtc ttagccctga gagattacac 120
 aggacccgac tgtcggtagc tgaacttcac tacgggagaa gagatatctg tttatgttaa 180
 acttggagga gacagagaag atttgtgggc aggaagcaaa ggaaaagact ttggatatatt 240
 tcccagagat gcagtccaga ttgaagaggt gttcatatct gaggaattc 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
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 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 caacctaatac 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
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 cactgtgact tagatgagga acccccaggg ccgctccagc ctcgaaggcc ctgcctcatc 120
 cacagcgctc catagcttca ctgtcactgt ggaccacacc tgtctctaag gtcatttctt 180

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cactcacctc gcctgtgtgc cctccctgct cccccaagt cttgtgttcg gttccccagt 240
gtgcatgttt cagtccaggc aagttacatt cggttgtgtg caatagaagg tcagaagcaa 300
gatcttacct ggtgtcatta aaattgtttt aacacaagnt aggtgtgtcc acctctgcat 360
tcctgtcaca tgatggactt tatgtaaaaa tgggtgacacc aaggctcaca gtggagctct 420
ttgcatcaaa gataatntac tgtgtacaca cctgtgcatt catagtgtga gtcacaccag 480
gcatttgtaa atgagaaggt atgatcacta tgtccaggct tccaaactgc ctctgtcatt 540
aaaac 545

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<210> 2035
<211> 464
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

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

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<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 acagagaggg cgagaaccac tcctcacct ntcccatctg anctgcacag 360
cggctgggga aaccatctgc cgtggacaga gcagggtgtc ccttntcctc gcacgggcca 420
ggggtntntt cactgatgac tgggtgaagcc 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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aacctttcac attcatgcta cctgcttctt ttttaaaata attaatgcac ataggaacac 120
ttcttttgat catcagggcat tacacaattg ttctttctag acatttttat gaacactatt 180
cattgtaatt atgtaattat ttcctattag gaaatacgtc catcttttaa aaaatatttg 240
acattaccaa ataataattt caaataaagg cttaaaattt attntccttt ctataaaac 300
ctgaataaaa tttttgtgca tgctttaggg ttttaattact taagagtttc ttgttctatt 360
aataagtagg aatgcttttg aaggcacaag tctccttgta aatgatacac 410

<210> 2037
<211> 469
<212> DNA
<213> Mus musculus

<400> 2037
tcatgggttc acatcttgct caaagggaga aaattcatga gaggaactg gatataagga 60
atatggaaag acctttcttc atggttcaaa atttaataga cacctggaaa atcatgctga 120
ctaagagaac tgaattcaag gaatttgga acatttattc atgattctgc acttaactga 180

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tagtaaattc tcaaaagggga cctgagagaa tgtggaaatg cccttcaggt ttgcagctgt      240
ggggaacagg gcttggcaag caacctggct atcccagaga gatggaaaag ttttcatctt      300
ggactttcct ctcatgacaa gaagttcatg ctggcaccga gccccacaaa tgtatgaagt      360
gattttagtt accatggcag cttgggtcaa cacctggata tatatacttt ttctgtggt      420
atgaaaccct gagctgtgtg tgctgaacac actgtcttgt ttctcagct      469

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<210> 2038
<211> 302
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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

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<400> 2038
aacgtgtata tcctgtggga gagtagaaaa tcctgtggag aatctgtagg cttacttagc      60
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agcctaacat tacatacaga ganggtgctg ctggcttctt gtttgagtgt ttcgtanggg      180
tggaatgncag ttctgaatgg tanagatgtg tgtttagttc agtcctgagt gtcatacaag      240
tgcagtcctt ggtacctctc ttagtactat gtgttacgca gttgtgggta agtgtgcata      300
ca                                                                    302

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<210> 2039

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

<400> 2039
 gtcaccatgg acctgagatc tggccttgag ctgcatcact ttacttgtat gtgcaccctc 60
 cgattgccca tctcgacggg ctggatgggt 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 gttattttta gtatatcaag atttatttaa 240
 aactgtcaac aacagtaaaa agtattacaa tgaaatcact agagtatttc tgggacagac 300
 cca 303

<210> 2041
 <211> 411
 <212> DNA
 <213> Mus musculus

<400> 2041
 aaatgcbag cacagacttt ggagaagagg agtaaagtca aacccaaagt aaatgtgaag 60
 ccatctgtgg tcaagggtgt ctcagctccc aaattggctc ccaaacgcaa ggctgtggag 120
 atgcactctg ccgtcatcgc agccgtgaag ccgctcagct ccagcagtgt cctgcaggaa 180
 agccccacca agaaagcagc tgtggctggt gtccactcc tctctgagga taaaccgctc 240
 accatgtctg agacagaaaa cccaaaagac agttctgtgc tgtcttcagc ccaagctgct 300
 tcggaaccct tgctcccgga aggctctggc ccttcctcat ccagacggc aacaaaaccg 360
 cgccggctga gctccgctc cacgggaaag cctccactct ctgtggaaga t 411

<210> 2042
 <211> 518
 <212> DNA
 <213> Mus musculus

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<400> 2042
gatagtaatt ctctccaga tgactaagat cataataata tgatattaaa tattaacaat    60
acaaaataag aggcactgtg gccctagcgt aatatgggtc actgtgtcag ttttcctggg    120
gatagcagtc attaggcttc atatgactta ggggagatct ttttagaaaa taagaactat    180
tgtttgata aagtcaattg ttaggcttta aacatcaaaa atatttaggt cttataagt    240
aaaagcacgt ttttcttggt ggcagaatga aaattacagt gtagcatata ggagcagagt    300
gttaatatat aaaatacttt ctgtggggaa tgggcaggca gggaatgatg cttacggtta    360
gagattgtat tgggtgaaac gctgcagtga aataaactcc aaaagtaatt ttgctgcac    420
aaccacaaa ctttgcggga gactccctgc tactttctgc agctgtcaat gggagaaatc    480
atgaatcgac ttctgcctac tggtccttcc caaataaa    518

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<210> 2043
<211> 448
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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<400> 2043
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gcagagctgg cagtgaggct aaaaagagg ggggtggtggt gaggaaggga ctagaacatc    120
atctcggatg tttgtccac actacaggag ctgcagctct tcttgacagg cacttggcca    180
tttcagggca acgtaaggct ctgtccagtg ttacagcagc agggctgcna tgtttcagag    240
aacatttatc ttagccaca tttgggtgag aagacaccaa aggtatatc tncccagaat    300

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attggaataa tgtctaaatt ggcttctgta gctatttata catgatataa tttgtctcca 360
ttcagctctn tcccaatgat gggcatgttt tcccaacagt ttccatcaag tccaggattg 420
ncccactcat tattaccagg cttgcat 448

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<210> 2044
<211> 532
<212> DNA
<213> Mus musculus

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

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

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<400> 2044
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ctctgcctgt ntagttactc atgtaagaaa gtcagctcct cagaggttag ctctgcccc 120
tccccctctt tgagtcaggg ttccatatag tccaggctgg tgtgtttgta gccatacaga 180
taggtgccat catgaccagt gtcagacttg gaatgtatgt anaggcacia gcttcagccc 240
atgggcctca tgtttggcca gtctcttgca ttgaccacac tcctggcccc tttgccctca 300
aaaccaacat agggcaccct acacttgta ggcgtgtaagg ctgtacctag agaaatgctt 360
ttggatatag tgtttgaggt cctggcctag atactatata ccttggaat gtaggcttct 420
cgcttcagcc gtgtccatgg taaacatcaa gtgtacaccc tttccctgct gttccttagc 480
tcaagcacag ttgaggtgat ggctgtagtt ggtacacaag gttctcagag tt 532

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<210> 2045
<211> 405
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (284)..(284)

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<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

cagtgggact gtggctgttg tcttagctgt agctctcagt gggacctgtg gctgtccatg 60

gtacccatgg caattggccc agcctgtgga tgtcagtggg acctgtggct gtcagtggca 120

ctggctgctg ggctggcgta ctgtcagtgg gaccctgggt ggcccgtgtg atgccggtta 180

catagctgtt ggtggcgcct gtggttgtca gtggggtttg aggtcactgg tgtggcctaa 240

ggctggcacg taaacctggc ccatgccttg gctanccct ccancctnnc ntccttncctt 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

gccaaccca tgaattcct ggagacagnc attgggttta tcagcatccc caggccactg 60

ctaacaagga ttgactaac ataggggtcca gaacccttct acttcagcca tatctgggcc 120

cactggtaac cactggccac agcctgagag ttatttag 158

<210> 2047

<211> 314

<212> DNA

<213> Mus musculus

<400> 2047

gaagcatcta tgcagctcct cgagattatt ttccaccaag ggacttcctt ggcccaccac 60

ttcctccgtt cccagggaga actgtgtacg caccgagggg ctttccacct taccttcccc 120

ccagagctgg gttcttcccc ccacccccac atcctgaaag tagaagttag 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

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ttgttcctta ttgttgaga gctagctcca cagagtcaga aagttctgac ccnacattag 120

accccgctgtg cgctgctaag gccatggtaa ccctctgggg acaggcagcc attgatggga 180

gcaaagcttg caggtgctg gaggtggtcc caccattgcc tgcagatgtc cttcctctgt 240

tcacagttag gtttagtgag catttcatgt cagggagcct ctggccagtg tctctgggag 300

gtcactaatc taccctgag gtaccactc 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 cttctatagc gttattacat ctttccacag aaacccaaac tctgtactgt 60
cttttagtatt acttcctat tattttaaac acagtatgaa gtagcattgt atggaaacat 120
tacantaaga ggtacttaat atagacacag cgtatgtatt atatcatgct ggtgtttggt 180
agcttttgct ttcctgcgtc tagtgaaaat ttatcttcgg tttgaattct ctgctgttga 240
ttaaatgtaa aatgttacag gatcttccca caatccttaa acgtttatca ctctttactc 300
agtgtgagtt ttctgatgtg gagtagactt taagacttga tttaagagcc tgtctctctt 360
gctatgttta taggctgtct ggctgctgtg cattatttca tgttaagtca catatcatga 420
catccctta 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
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ctggagtcct gcgtccctgg taacctctaa ccagcattcc cagacaccag aggcagatag 120

acaggtgggc aggggatcta ctggggctgg gccagcacca ttccagagac aaatccaggg	180
cacatgcaaa ctgggggacc tctcccttat cccagttct gaccctgggt caggccatgc	240
tacactaacc ttccctcccc acttcacact ttgtctcccc ccccccnnnc cagtccattt	300
tacttctttc ctctcccttt catcttttcc cttcccttta ctgttccacc caggaggnag	360
gaaacttcac atagctgtcc tcaccctttt attttaaag aattttgttg gggttgagca	420
gggctgccta tgggtctgaag gcttttggtg cttgtccaca caccacctc aacccttcct	480
gcccatcctc ccctatctcc tttcctcctc ctgggttcat gctgtaataa ag	532

<210> 2051
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 2051	
ggctgagaac ttagcttaac ttgcttgggt ccctgacct atgtgctgat ttaaagtatg	60
ctgtcccaaa atatcgctga gccaaagcaga 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	
acctgcccc gctgtctgta tggttcctgg gcctacagcc aggcctgtgt ggcactccca	60
tgactgattt gacaggtgtc ttccatttg gaccttcgtc tggccagaga ccctgcacat	120
cccactgtca gggtagccag gactcttccc atcctcgtga tcagaggaga cttcctcgtc	180
ccccttccaa taaagcacct atgccacag 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 aattttagc agcaggatca gctcagtttg cagagactgc agtcttcata	120

tgtgaccata tcatgaagtg gcaatttata gagcactcag ctttcgcttt tactccggta	180
tgagggttata 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 tgcttgcata cctgcattaa ttgtatgtgt gaatcactag agtctcgga	120
ctctgtagcc taagaattac tgtggtgagg acaaatgcca acagtcaggg agttctcgga	180
gccaaacc	187

<210> 2055
 <211> 376
 <212> DNA
 <213> Mus musculus

<400> 2055	
tggtgaact 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
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 tacagagaaa acctggaggt cctgttgac ctggctcggg cagaggctgt ggcgatgcgn 120
 tcgtcaaagg tgggtggtgtg 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 ctctgactg 120
 tggccctggc aggtgctccc taccaagccg tgggcttggt nccagggcac cacaccaatg 180
 ctgcagatgc tcaacggagc tgtcttcaga ccagagggtgc 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 ctctgactg tggccctggc 120
 aggtgctccc taccaagccg tgggcttggt nccagggcac cacaccaatg ctgcagatgc 180

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tcaacggagc tgtcttcaga ccagaggtgc cactacgcag gggccaaccc ctgctcgtat 240
tccggggtca gccctccgac cctgggatgc tgcccactat gattggcctc ctggcagagg 300
cgggtgtaca gctgctgtcc taccaaacct ccatggtgtc tgacggagag ccctggcacg 360
tcatgggcct gtcctccctg ctgcccagcc tggaaacatg gaagcagcat gtattggagg 420
ctttccagtt ctgcttctga ccctgggggtt cagcactctc agccccacag gctcttctga 480
agaaacccgc tcaactgtga cctatag 507

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<210> 2059
<211> 421
<212> DNA
<213> Mus musculus

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<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 ggcccgcgag agagaagaag gcgtatgttc gcttggctcc tgattatgat 360
gccctagatg ttgccaacaa gattgggatc atctaaactg agtccagatg gctaattcta 420
a 421

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<210> 2060
<211> 543
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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

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<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
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 aaggatgtga ctctgacgac aacactgac cccacctcag ccatggctga gcccctctca 120
 gagcggaat gtctaaaggt ctccgcctg ccacacagca ctcagctctg ccctctcagg 180
 gcttgaactt gctccgatgc cctcggtgac tttccccact tggaatggct ccctctcttt 240
 agaaagaggg ccctaactaa ggcccnngtt tttctttaat ncagttttca aaaagagngc 300
 tggggtgggt ggggcnnggn tncgganac antntcccct cagnccctcc agaagagaan 360
 ccntacaggg cactgncccn tggtacattt ntctgacatt tcttgagncc tcacattggg 420
 gaggggtcac tncctttttt ttttttttnn atactgagta tatctaagtt ntntncgtat 480
 ttttttattt tccctgttat gtgctgtaga tggagagtga tgacaatcgt gtaaattgtac 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
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 cagagcctga tcgcaatttt tgatttaaatt cttnttggtt gtttcactgt tgtaattcag 120
 aatagaacat tttcagtctt gtacttaact gttttctgag cagctgaaga caccgtatatt 180
 cactctgtat ctcatgtgata gggagtaggt gatggctctt cattctgagc gtgggggattg 240
 ccagcacggt cctaccctgt gctgcagtta aacctgctgt gaggaggaa 289

<210> 2062
 <211> 301
 <212> DNA
 <213> Mus musculus

<400> 2062
 atctccttgg gcacttgtca aatatgctgc ttttaaccgg cgattctaatt gggattgact 60
 gactggagac ctcacatcat gttcacattt aaccttaaac acctatgcag tcatgttggg 120
 ggagtgtccc aatgttacct caacaccacg aagcttatatt ctatactgga gttcttcagt 180
 atagaaagtg gaagtgggtt aaatggcata gtacatatat atatatatat ggccttgtaa 240
 aacagatttg agaccttggt 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
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tttcttaaag acagtaagtt gtttgcaaat taataaaaca gcattcctgt cannnnngta 120
agtaaagctt aatgaannna tatccctgtg gacagctcca ttagcttggt acattagtgg 180
aattctgagt aaagcatggg agactggcaa accctttgat 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 ttataaatg gtaaaaccct ggatttaca tttgttaaatt 60
actaaatagt tcctattaat atgatctatt tttgtatatt acttagtttt aagtgcctgt 120
cattctgaag attatatatt tataacccaa tgggtctcatg cctggacctc atggcactgc 180
tatgcaattt ggtctcaaac nnnnnagaca gcaaagcctt tacaacagaa cttttctgaa 240
ccagctttca ttcaaaagct tcaggctctc ttagatgctt tctctggcta ctactgtga 300
gcaaggnac agttctacta gttcctgttt cttctgagcc agaccttcct caaagggacc 360
aattaattta aaactcactt gaagctcagc tggctgtggg gctgtctttg aagttctggg 420
ttctaccttg atgtttctgg ttcgtggggg 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 ggggtgtnggg cagggcccgt cggtagacca 180
 tgtttacatg acagtgtgcc aaagtgactc gccgagcttg tattgctttg tagtcatctg 240
 ggctatccca ccttcccaac tcctgttttt aaaactaaaa actcccagga ngccctgggc 300
 gcacacaggc aaaggtggct gtcttctgtg gtggtccttg agtctccgtg aagctgaaaa 360
 tgatggtgtc tgtgagtatg ttttgcaaat tcaaaatata gtttggtaat tttttttcca 420
 gttgatTTTT aaaaaaacia 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

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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 caaatnttcc cccactcccc ccaagagtta      420
aaaatgtttt aaaacattgt tttacttgtc aaagcaccaa                        460
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<210> 2067

<211> 312

<212> DNA

<213> Mus musculus

<400> 2067

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gcagcttaac aacacttgat ttcagatgat taggtttttg tttctgagac ccagcacctg      60
tatatttaaa aattgttcca gattacacct tcactatcaa atgagtaa atgactcatgcc      120
tgcagacatg tcctgatggg ggcaagaaca gaaggatctt tgactgaagg agaaaaactg      180
tcattgtcat ccagccccc aggaaagaac acctccaagg caggcaggca ggcaggcagg      240
catggtgggt ctagttgaat acacattcaa gtcttgcagt ggtgcttttag atctgtgtag      300
catgtgaggc tc                                                         312
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<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

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agtgtttaca gctttgccat gtccccacct gctggcctca ggctgcctgg gcctggccna      60
gctatccttc tctatgcaaa tgcgtcaaag ccatgactgc tggaacccaa aactgacaag      120
gtttatTTTT tccagagccg gtggctggtc ttccatttac agtgtcacta ttccttgatg      180
gagcagttat gtgcccgtc tggatgatggc 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

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<210> 2069
<211> 336
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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

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<400> 2069
gaagaatgcg ccttggaac ctggccccag cccagcatgc acacacccat caatggctct      60
ctcccttcn tgctacttct gccagaggg gaggtntcca gagtgtgtt cccctggat      120
acacggctct cngtgatacc cccagactc ctgagactct ccagcccctt nccactgtga      180
acactcctcc atgtcaggcc aggctcgcca agctggatga agatgagctg taaccccaaa      240
agtgcagtgc tattggcgca ggcattgctc ctcaatgaat ttggaggggg aatcctggaa      300
atgtgccaga atccatcctc catgatgtat agagga                                           336

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<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
 gtcctcttta cctgagccct tccatcagga ttaaactctgc agccctttcc cactgtgtg 300
 cagctactgg gcagggtgcc cagtgtggcc tgggtggcaa ggccaattca gagcacttct 360
 cagactccat tt 372

<210> 2071
 <211> 401
 <212> DNA
 <213> Mus musculus

<400> 2071
 gggttggttt ttgccatct 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 agtttagatgc tagctctgta gggttcctta a 401

<210> 2072
 <211> 360
 <212> DNA
 <213> Mus musculus

<400> 2072
 aggaatgcag tctctggcag ggaaatgttt ttcactgccc ttggaacctg tgttgttcat 60
 gtccaagagt ccaaagaaaag ggctgatttc ctgaggctgg ggtcagcccc tggatcatgc 120
 aggcccttgc tttcttcgaa ggaccagctg gccttctctg tctcctttgc cgttcatatt 180
 ttctcttggg ccattgctgt atgctctttg tgtcaggaca aggaagaggg caggttggaa 240
 aggcacaatt ggatgcatct agtagtgtat acaagtcctt ttaagattc 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
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 aattaccatc atattaactt ttcttataca aagccagcgt ttgttctctc accagactcc 120
 atgccagatc catcataaga aagctcagnc taagtaattc aaatagtgtc tacaacttta 180
 gggggaggga gggtagcatt cagtcaatac tccaactggt tgthttatgca caaggctaca 240
 gtcagaacat agaaaaaaaa cattctgtga atgaaacatt gtatgttcag atthttataaa 300
 agacatthttt aaaagcccaa ttacagccg tatatthtct tatgatgtaa tttatgaaaa 360
 agctgtctgt actaacaggt gctgtaacac tactgtcgtt gggthttgtt gt 412

<210> 2074
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 2074
 actagcaact ctgtcatctt thttctaaaa tgaccaactg ctgattacag ctcaaacgga 60
 accaaatgtt tgcgtthtctg thtttgthgt catttatttg acaagttagc ctctatgagc 120
 caaatagagg gggagatgtg tgaacctgga gcaccgagtg gctacatcca cagcctcttht 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
 tgttttggtct 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 gtcattgtgg ctggcgtgta gagagatttc ctaagactcc 300
 tatctcatgc ttgtagtcct tgccagggtc acactcacac ccctttctgg tcccttttgg 360
 aagggtctaaa gggtcaggcc agccantntt cctttcttgt tggtaagggtg 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
 tcagggtggca agcccgtgga ggtgtggggg tactgtaaag ggaagagtcc attactggct 120
 gtccagcttc taattttctaa agctgacaca atttgcattt cataaataca tagtttacag 180
 aaccatttgc agcctcaatt ttctttgtgc ttgttatata aattatTTTTT caaactgtat 240
 agattcatga taaaattatc ttggttcctc tctcttttac cgtgagagga aaagacttca 300
 tttttatctt atacctaatt tttttaaaac cccgtgatga cattaaacag aatttttttt 360

ccaacataag atctgcacag cagactttta aaaagcctga aatctgtctg gtagaacaat 420
 ttgtgttctc cttttttcat 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
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 ctggggcctt ggaggcaaaa gggcagattg gagcccagca ctggacttga gggggccagc 120
 cccaagagtg tatgaggggtg tgtggggacc catgaggggtg aggagctgtt gcagccaggc 180
 ctatgggggtc cactcccaa acacaccctc ctttgcccct ttagcttttt cctgtccccc 240
 aacttcttag cacttaaccc cactctaccc agagacttga tgagaccttg tgagtgggtg 300
 tggcaggaac agcagggctg tgcnggtccc cgacccncc tctccctatc ctacctcat 360
 tccctgttgc tgtttgggag ctgttgcccc tcccttggn aacgcctactt cctgtctctg 420
 ctgtctcccg gtacctgtgc ttctgagccc agactatctc ttgtcactga ggggatggga 480
 gacctttcat atcacctcac aaacaatccc agcaaaaagg gttggagatg gagcaccccc 540
 ttgtttcttca 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

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cagaataacg tgcagggtgaa actcatccgg agtcccgcag acttgattcg actgattgag	120
gagctgaaag ctgcagaaaa ggggaagcca agcgtaaggc gggagcagcc tggagacgat	180
accacggagg ccccccagag ggaagcagag ggaacgaagg cgaagggaaa ggntggtgag	240
ccccgggtc ttatggaaga g	261

<210> 2079

<211> 505

<212> DNA

<213> Mus musculus

<400> 2079

agagaccacc ctcttggcag gacaactgcc tgctgctagg gtctgctgct aaggtaacc	60
catcaccagg aactgtcact ggggacaaaa gagtggtccc acaaccttct cttctgctat	120
ttaattcaac tgggtggtggg acccaggcta cccctaatac caccattcc taccttgctca	180
cctcttccca agccttatac ctccacccat cccccacca tgggtgcagat agtgccaccc	240
tcaacgtggg ctatgtggga accattgtcc ctgcctcagg gtcattgtgc caccacagct	300
aggggtgtgcc 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 cagggtggtgg tacgaataca attcctctgt	120
ggcctgctgg actgctggaa ccagaccagc ctaagggtgta gagttgactt tggacaatcc	180
tgagtgtgga gccgagtgca gttttccctg agatacctgt cgtgaaaagg tttatgggac	240
agtttttcag aaagatgcat tgactctgaa gttctctctg ttgagagcgt cttcagttgg	300
aagacttgga actgtgaata cacttcctga aggggaggga gaaggaggt tgctcccttg	360

ctgttttaaag 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 caaccgtggt 120
 caacctgcag agccacattc tctccttcca cgaggaaaag cgcccatttg tgtgtgagca 180
 cgctggctgt ggcaagacat tcgcaatgaa acagagtctc atgaggcaca gtgtcgtgca 240
 cgatcccgcac 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 tgcagggggg 60
 cggcagcagc agtggcggca gtggcagtgg gtgcctgtag tgcgatgtgt cttgagctaa 120
 taaagtggct gatgaggcag gatggcttgg ggctgcctgg gccccccccc cnntccagga 180
 tgctgccaaag tgtctctctc ctccccccag ggcacagaga tatatataaa gtcttgaaat 240
 ttggtgtgtc ttgctggggg gaagggcact accgcctgcc tctaggggcc ttttttattt 300
 tctgaaatca ctcttgggac tgccgtc 327

<210> 2083
 <211> 95
 <212> DNA
 <213> Mus musculus

<400> 2083
 cttcctggta gttgtaatga ccactcccat aagggtctata actgttcttc acaggtggcc 60
 ctgctcaaaa tacatcctct cttttcccggt 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
 tatgtttggga 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
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 gcacttttacg ttggcctctg ttttcctgtc 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 tgattggctg agtgctggag gaggcagagc cagagccaca cccacaggag 360
 catggaccat ccncnctcc 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 cccagggctc aaggtcttgg 60
 tgtggatggg gcctgcaggg cctgcagtga tgccgagctc ctctggctg catgcaccag 120
 tgattttgtg atccacggga ccatccatgg ggtcgcccat gacacagagc tgcaagaatc 180
 agtcatcact gtggtggttg ctctgtctat 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 gggatgatgg aggggtgggtg agaaggggtg ggctcggatg 540
 gcatcctggg 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
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 tgccgtagtt tggaagactt gagctaattg tttttttttt gtttgttttn ttgtttgttt 120
 aaaggtggcc tgggggggggc ggcaaacaga cagacatcac tttcagctcc ttacgaggcc 180
 tttagggagg ggttcttttag tctggcaccg cgccattccc ttccatgggc cttgtgagcc 240
 atacagtcac ccttggcccg gtcccgcctt tggggaagaa tggggcccctc tgtccggagg 300
 cccctgagac gtgctgagca tccagacatg gcagagagcc tgcaggggtgt ggggtctcct 360
 ctgcaggatc ctgcttggtc gtttccggcg ggagaaatgg acaatgggggt ctctaaagac 420
 tgtttccgc cactggcccc attgttgcta tgcctgcctt tctcctgggc ctcatatttt 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
 tagcaatggg actagtgtccc actgtgggga cagaggaggg ttgggggggct cctctgctgg

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ccgctgctgg ggcctatggg ctgagcgctg ggagttatgc cccactgggtt ttcgggtgtgc 120
tcccggggct ggtgggcatt ggaggtgtgg tgcaggccac agggctgggtg atgatgctga 180
tgagcctcgg gggactcctg ggcctcctc tgtcaggtaa gggctgagct cgcggattcg 240
ctcangactc tcttctgccc ctgagatgcc aagcttctaa attcctttcc cctctttctca 300
ggcttcctaa gggataanac aggagacttc annncctctt tcctgggtgn cagctctttc 360
atcctnntct ggcagtttna tntacatggg gctncccaga nccctccent ccnnccntcc 420
ancntcacct ccagcaaccc ctccaccaga gagaggggag ctgctcccag ttccacaant 480
ntccctgctt tccgcagggg gtactggctc catccgggat accacttggt gatcattttc 540
ttggttgacc tccttccta ataaag 566

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<210> 2089
<211> 514
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

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<400> 2089
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gagattggct ttttccggaa ccgcatgttc ctgtactcag tccttgggtc cctcctgggg 120
cagctggccg tgatctatgc cccgcccta caaaaggctt tccagactga aaacctgagc 180
gcgctcgacc tgctgctgct gacgggcctg gcctcgtctg tcttcattct gtcggagctg 240
ctcaagctct gggaaaagtt cttgtccaga gccaggccca ctgagatgct cccggaagct 300
gtgtaacgga accagtgtgt caaggccctg actgacctgt gtgcttgggt gcctctggcc 360
ntgtcccat ccattctgtac taaccactcc aaggggcaat tctcaggacc gtgcagcatc 420
ggacgctggc tccnacctnt cctcctggcc tgctgggcca tgtcccgac aggacagggt 480

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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
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 aagtctgtga tcaaaaccgg gcgactgttg atcagccacg aggctccctt aacaggcggc 120
 tttgcctctg agatcagctc cacggtccag gaagaatgtt tcttgaacct agaggctcca 180
 atatctcgag tttgcggata tgacaccccg tttcctcaca tctttgagcc cttttatatac 240
 ccagacaaat ggaagtgtga cgatgccctt cgcaagatga tcaactattg acgacagaga 300
 aaaccaggaa gatcatgacc agacatggaa atatctttct gaaacctttt tatatttcct 360
 tatacttctt tcttcttaca tatagtctta tgcaacgaac tntcatggat attggctgat 420
 gagctgcaaa ttacttatca tgttta 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
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 tgaaaaggga ggttctgggt caggggaagg ttgtggctca ggtgtgacct tctcctttag 120
 atagagatat gtcttttctc tctactcttg gattccagaa tgtcagctgt tatctctgta 180
 tctctaactc tgattaacct 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

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caggaagagg caagtatccc ccagtctgcc tgatgcnatg ctggaagtgg atcgcggggt 120

cccagctcct gcatccaagc ggcccctgac cctcttcttt ctctttctct tcctccttct 180

ggtaggtgcc acgctgttgc tgcccttgtc ggggggtctcc tgctgttctc atgccgggct 240

ggctaggacg ccctacctgg tgctcagtta tgtcaatggt ctccctccaa tctgagccca 300

ccatccaaga cacgtgcatt aaatgggtcac 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

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gctagaacct tcattctgag ggtagcaaag gacatcaaat ccattgatg agaaagatgg 120

aaaatgcatc cggtttcctc agaaattctg aactcttgag tacaataaaa tgatgtcttt 180

atctttctga tacttcgctg ctgtgatact atgcagacaa gtgtcttctc catgcgccat 240

tttcaaagaa aagtcatttg ccaaataatt ctggtacaat tntgctaatt tgcttttgga 300

tcttagaaac caactttcta atggtaacat aaatattcca tgtaacaaac tgattctgtg 360

gtcaaatggg tcatctc 377

<210> 2095
 <211> 314
 <212> DNA
 <213> Mus musculus

<400> 2095
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 caagacctca acaagtttca caccttcccc caaacttcaa ttgggggttga agcacctggc 120
 aagaaaaggg atgtggccaa ggacttggag acaaaccacc aatcccatTT tggcaactaa 180
 gctccttctc tcctttctag tttccttctt gctttcttcc tataacttga tgcattgtagt 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>
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 <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
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 ttgccccgtg ntagctnanc cntcttcct tttgaaagct gccagtgtca ggcccttccc 120

aaaccctctg actggtcaac cagtgggcgc tcaggaatct agagtagggg tgaagaggat 180
gcctaaggga accaaccaaa agtctcaa at 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
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ccntgcagcg gaaacgtggt ggtgggcacc ccnanngcct gcgccccctg cgccggggca 120
ggcgcctgca gcggaggctg taagaagtgc taggagggtca caatgctgca agccactggc 180
acgggctacc ctgcccgaag ggacagcaca gcgggacagt ggcctcggcg cctttatttc 240
aatctgtagc tttccctagc aacttggtcc tagagttctt gctttctttc cttttctgcc 300
tttttgctgg attcattggt cttaggatct tggaggatcc gctgccccag gatcctcttt 360
gtctgacttt acccggtgcc ttagcacgct tttgcctggg caaggagaca tggatccaca 420
tggttgccctg 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

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ctatgccgcc tcagcgggcc tcagacaagt cctgtttaag tggactgccc ctgaggccct 120

taactacgga cgctactcct cagagagtga tgtgtggagc tttggcattt ngctgtggga 180

gaccttcagc ctgggggcct caccctatcc 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

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caccctggct tcaacatgag cctcatgagg aagcacatcc gattccttga gtatgactac 120

agcaatgacc tgatgctgct ccgcctcagc aagcctgctg acatcacaga tactgtgaag 180

cccatcacc tgccactga ggagcccaag ctggggagca catgcctagc ctcaggctgg 240

ggcagcatta caccaccaa attccaattc acagatgatc tctactgtgt gaacctcaag 300

ctcctgccta atgaggactg tgccaaagcc cacatagaga aggtgacaga tgccatgctg 360

tgtgcaggag agatggatgg aggcaaagac acttgcaagg gtgactcagg aggccactg 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>
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 <222> (154)..(154)
 <223> n is a, c, g, or t

<220>
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 <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

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 gtaattctct tactatctgt gctgataaac gctggtttcc tccatctctg gctcaagnac 120
 cagattttcg ggtggctcct gtagtatgtc tcanctgtga gaaatgttct aatttctatt 180
 taggaactct gcatatacat ctctatttaa tcaggagtct cttgctgtta gagatgtatg 240
 tattttgaac tgtattta at tttctagtgc atgttatcta ctgtttgata cttgacaaat 300
 ctttgcaant ttagtctttc catttctacc tgtgacatac agaagatctc ttgnaaactt 360
 ctactgtccc anttcccaaa tcatgctagc ctatgctgta tcaaaactat gaatatttct 420
 tttatggaga tttagtata tacatgtaaa tgttttttta gttattttat tgaacttcaa 480
 tatttacatg aacgtataat ctttttttaa agtctccgtg ccagaactgt at 532

<210> 2101
 <211> 289
 <212> DNA
 <213> Mus musculus

<400> 2101
 aagcatttaa agcaccttct atcaacaaaa atttttcttc tgtaaata atc agttaggtaa 60

tattttatttt atatatcttct atgagaaaaat gatcattgta atgttgacat ttgtgatgat	120
ttgtcagcct gtacatctta acttattatg atttaatacac ctaaaattga tacattgtct	180
tgatttatag gaaggatatct aaatgtgaga gatttccaac tgttccattg tgttctatat	240
agagctacag ccaatgcact cttgaatttc tcaggagcat tgcaaggca	289

<210> 2102
 <211> 475
 <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> (322)..(322)
 <223> n is a, c, g, or t

<220>
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 <222> (326)..(329)
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 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (337)..(339)
 <223> n is a, c, g, or t

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agaaaggagt acaggctcac gtgactcagc tacaagctga gacagctgct gctattagga	120
aaancaatgg aagccagcag tatgtagatt tagggagctg acaaactctg 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
aagaaagggg tggagtgtgg ctgagtggga gagcacttgc caagaccctg agttc	475

<210> 2103
 <211> 283
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

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

<400> 2103
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 gaaccaaggc ccatgagtga ctcacccaag gtgagnttga gacagccctc cntacaagct 120
 ccccatcacc cccccacac acacacacac acacacacac ctgtggttgt acaccatgct 180
 tttcaaatg tgctccacag gccactgggg aaccttgcct ggatggcagc agtaaagggtg 240
 gctggaggga tccccagntc cccttcaatc acagaggtct gtt 283

<210> 2104
 <211> 451
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (77)..(78)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (116)..(116)
 <223> n is a, c, g, or t

<400> 2104
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 ttttcatttc tcttcnnac acaagacaac tctagaaatg ttcagttgca gatttnacgt 120
 tgttatttta tttagtaatt aaaatcttca aagataaata ttaatatatg cagatggaaa 180


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ataggatatt tctgagcaca ggggtctatg caggggaaccc tgactctctg aaacatgagg      240
gagaaaacca gtttcttata tattaatggc tttaatatga attatactaa aatcaatcta      300
tttaaaaatc cagctcttgt aattaagaaa caagagtctt ttgctctggg atcccttaga      360
aggcatgaaa atatgtgagt gtgttgatgt ctgcagctctc tgttcagctc tacagaagtg      420
ttctttgtgc atctagtgtc tacctaaaat t                                     451

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<210> 2105
<211> 547
<212> DNA
<213> Mus musculus

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

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<222> (189)..(193)
<223> n is a, c, g, or t

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<220>
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<222> (195)..(195)
<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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<220>
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<222> (201)..(203)
<223> n is a, c, g, or t

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

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tttgctttct tatctgtgca tcatgtccac gatggtgctt gtggagacca gaagagggcg      120

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tcaggttcct gtgggactgc acttacagag ttggagctac tatctgggtg ctaggaannn	180
aannnnngann nnnnngnaga nnngccagtg ctcttacctg ntaagtcagc tccccatccc	240
tcaaattctga ttttaaagat ctttttggag gcagttatgg tgataatata catggactct	300
cagcactgag aagggttaaag cagtaggatac ttgaggttaa ggctaccctg gaccgtttgg	360
taatcttttt cctttacctc ctcttccctt ctcattgtta ataaccccag gtcggagagg	420
tggctcattg cctgctctgc agaggacca ggcttgattc ccagcaccca tagataaaga	480
ggtttacaag tattttacatc catttcctgg gtgtccaaca ccgtctcctg ctgtacatgc	540
agacatt	547

<210> 2106
 <211> 437
 <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> (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

<400> 2106	
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cacttgcttc agagctacta agagctggct tcctgagctc atctagtgac gagtatctcc	120
tagagacctc cgctaatacga tcttttttct tctccctttt tcctcttttt cttctaattct	180
ctctccaggt attcctacct aaccttaact tttcctcggg ttcaagaccc ttggaaaggc	240
ctgtatactt attttgtgta ccatacttcc tctttgttcc tactctctct ccccgtttta	300
cttctgatag attgtcctga atttcctcta gaattttcag ccctatctta atcacttgat	360
agcatgtgaa aaagaacaaa agggctccta acaccagana aaattcaagg ccaaacatac	420
tcactgggtac tctcggtt	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

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

<220>
 <221> misc_feature
 <222> (213)..(213)
 <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>
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 <222> (360)..(404)
 <223> n is a, c, g, or t

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 agctcagagt ccttccactc aatgctgcc aagactggga cttcctgtct aagactttgc 120
 tgtttttagcc tcactaaagt ttcctcaaga tgaaaagtcc agtagactnc tgcataaaaa 180
 tttatttttt 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
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<210> 2108
 <211> 541
 <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> (41)..(41)
 <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> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (372)..(410)
 <223> n is a, c, g, or t

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 tgtggttgct gtccaagcat aacaanacgg ttcagttttt gttgtttagtt aagtgtttgc 120
 tgcccaaaca taaggaaatg gttaagttaa taaagtgttt gctgccaag ttagacatc 180
 caagtttaca cccccaccc cccgcagaat ctatataaaa cctggacatg gcagtagcgc 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 acctaacca 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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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 tgagtttggt ctcttaggga 360
acacttgtcc ataagactaa acgtgatgac taattgaaag gtcgtgggta tatttcataa 420
aatggaatag aatatgtata gtccttttct taaaagcaag tttttgtgcc ttttttcatt 480
ggtcagggta gtattgctca aaaaccactt ttaaggattt tagtgacttg accttgtgac 540
ct 542

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<210> 2110
<211> 567
<212> DNA
<213> Mus musculus

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<220>
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<222> (57)..(61)
<223> n is a, c, g, or t

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

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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> (343)..(344)
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<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

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

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
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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

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<221> misc_feature
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<220>
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 <222> (530)..(530)
 <223> n is a, c, g, or t

<400> 2110
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 naaaaaaaaa aaaaaaaaaa aagggaaggg ctgncctgag gcaaaaaact natttatgct 120
 caatagtctt gcctgaattc ttagggctaa agaaaaaac ctgcctccgt gggaattccc 180
 taacttttct tatggcaaac tgtattttat aagtttgact gaacaaattt gaaatacact 240
 ttattaagaa taanannnn nnnanannnn nnnncatttt tggatgacag gcgggaaaca 300
 gggagaaggg gtatgaccgg ctccatagta cagggccaat tgnntttttt tatttgggtg 360
 ggaggcagtg aagggttgn cnttncaaca gtgcggtctc caacctctct cccccaatt 420
 gnatatgttc aataaggcaa cgcttaactg aggtgntcaa nanattttnt catctgtaga 480
 tgagtgggct tttnaccttg gnntgagtgg acagtgaccc gattcctctn atgggtgctg 540
 tcacgacca 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

<400> 2111
 tttccttcca tcgtgtgagc agagctcagg ttgggaaagc acctaccagt gatctcactg 60
 cctccctccc accncccacc cccagcccc aaactgcctt tgtagtctgt caaccattgt 120
 atcctatggc catagaaggt ttttttggtt tttgttttgt tttgtttttt taagattgat 180
 gtaattctat ttgtctgttt tcacattctt ccctgtgttt tcttcggcat gtgtgtgagc 240
 gtagtatcac gtgactccat tcattttttt ttttttaaatt tttattttct ttgcagtact 300
 gaggattgaa cccagggcct gtgcaggcta ggtgagtgtc 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
 caagcttcaa cttctgggta ttggtacttc ctgggagctc tgttgagttc ttgcaagttt 60
 gcttgttaac acatccacag gaaggcccca cagcatggtc tagtggtgat ttctccagct 120
 tgctcaagta ctacagccta tggagaaaca aaagacaata aagttccata gagcaagtct 180
 acatatctga agctgcaggt gtttaaata 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
 gccatcatca taacctcata ttttcaccac acttgtttat caacttgtct ctttgcccct 60
 ttgtttcattc ttgtccctta tgagtccttc atattacaac caggttggat tattttttgga 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
 taaaaagtaa aatatgtata aggttggtgt tccagaacaa aatctgcagg aatatttaca 480
 gcatggtata aagcaacgaa accaggtcac ccaccaacat ttgaccttag attttctaata 540
 atttcagcat atgagtagca cagtatt 567

<210> 2114
 <211> 530
 <212> DNA
 <213> Mus musculus

<400> 2114


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caagcacacc aaaagcatca ccagtgagaa gtcacatagg acatattagg gaaaaaagac      60
ccaaggaagg gctcttcaca gctaagagca cctggctcca cgatggatat ggctttgtat      120
aaacgagaac ttctaaatga gctgtacaaa gagaatttag aacttgcgag gtactgggtca      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

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<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

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<400> 2115
aggaactagg acattgcttt tgcaatccat tgcttttgta ataagctgct atttntcacc      60
agttctctcc actatgctcc tcaggagata gcacagctct gtgtgggtct aatggaaaca      120
atcgtttgcg agtttattct gcatttacac cacactgctc tagagttgga ggtggttaagc      180
ttcatcatgt tttatagtta aggttgtact gttaaacaat agcacaatta agtttatagt      240
agaaataggg cttagagcgt cacatttcct agtatatttg ctatcattgc cttttctgag      300
atgagtatga gaacggtaaa ataaaaattc tcatttgctg gagagtgggt gtgtttgatg      360
atagggacct tcagagctgt ctcagatcag catttggttt tttaggtggt ttgaacattg      420
tgtatctctg ttaatcatgg ccccatctct gtcctgaagc tgggtgtctaa caagtgttcc      480

```

```

<210> 2116
<211> 369
<212> DNA
<213> Mus musculus

```

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<220>
<221> misc_feature
<222> (210)..(210)

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<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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aattttttaa ctctgtgcat aggtgtttgc ctgcatatat gcttggtacc tcaagccaga    60
gaggtatcgc tctccaggga atggagttac agatagtgtg tagccactgt gtgggtgctg    120
ggaactgaac ctatgtcctg gaagagcagc cagtgtcttt aactattgaa ccatctcttt    180
aactcacaat ttagtgcttt taaagatacn aaaatatatt ctgctgggga attgacttga    240
tggggtcaaat gcttgccacg taagtctgag ggtcagagtt tagatcccca aattccagca    300
tncacacagt ggctcacaac tgtctgtgtc tctagctcca agggatttga caccctcatg    360
cagccacat                                     369
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<210> 2117

<211> 426

<212> DNA

<213> Mus musculus

<400> 2117

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ttggcaaact accatccttt tctaactctt agctgggatg gtggatgcct tcttaacca    60
ccctgtgtgt gccaaacatg ccaccaaagc cagatcactt gatgtctcac tggaaccaat    120
gtgcttcagg tctgtgagt tctgtttatt agctgttctc tatgcagaac atcacaatcc    180
caccagctat gcagcactgt tgttggggtg agcctgtggg gtctggttag gaccctatag    240
ttattccatg ttactgggtg acgcagctag gcattctccc aacaaaagta gctgagtttg    300
tggcagcctt tttaaatacag gaaatcagga tgcccagagc caaaggaatg tcatgccaaag    360
gatagctagg tcaggctgtt gccttctgca gggccagaac acaggccact gttctgttta    420
ttcctt                                     426
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<210> 2118

<211> 488

<212> DNA

<213> Mus musculus

<400> 2118

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gccccatgta aaaaagcctc cttgtgcaat ggtctgtttc ctttgaacgt gcttctttgt    60
aatgaccgag gtaccgattt ctgctaagtt ttcccaacaa catgaaactg cctattcacg    120
ccgtaattct ttctgtctcc cgctcacttt ctctctttct ctcgctctct ttctctcacc    180
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```

gcgtcccat ctttcctcgc aacccccctct ccccgctgcc ctccctagct ggctttctct 240
cttgcttctc tcttttcctc ctctccccc accccaccc cctttggttt gacaattttg 300
tcttaagtgt ttctcaaaag agattacttt agttagcatg cgcgctgtga gcattgttaa 360
aaatgttctt aggtttactg tgaagagaat gtatcctgta tctgtgaatt gctttatggg 420
ggggaggagg ggctaattat atattttggtt gttcctctat actttgttct gttgtctgcg 480
cctgaaaa 488

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<210> 2119
<211> 139
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (51)..(52)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (86)..(86)
 <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> (102)..(102)
 <223> n is a, c, g, or t

<400> 2119
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 atnttgnact gnttgatgtc tctctntatt 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 cccatggaaa atcagccaag tgttatagat 180
 gtccagctgg gtaaacctct gaacatccct tgcaaagctt tctttggatt cagtggggag 240
 tctggaccaa tgatctactg gatgaaaggc gagaagttta ttgaagaact ggcagggtcac 300
 attagagaag gtgaaataag gtcctcaaa gagcatcttg gagaaaaaga agttgagttg 360
 acacttatct ttgactcagt ggtagaagct gacttggtta 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 gtcattccctt gtacagccaa ccttcctggt cctcaggcat tgggggacat 60

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cttcacacctg tcagctccat gctgtcctgg gcgtgtgtct cctcacacgn ncagtgtgtc 120
tcctcatttc cacactgaac atgggaatct gaaggtggat gtcaggcagt ggtgggcagg 180
ccattaatcc tagcacttgg gaggcagagg caggcagatt tctgagtttg aggccagcct 240
gggtctacaga gtgagttcca ggacagccag ggctacacag agaaactcta tctagggaaa 300
aaaaaggggg ggggaatctt gaaggtgagg ctggagagat ggctcagtgg ttaagagcac 360
tgagtgtctt tcctgaggac ctgagttcaa atcccagcaa ccacaagggtg gctcacaacc 420
atatgtaata gcatccaatg ccttcttctg gtgtgtttaga agatacctac agtgtattca 480
cctacatgaa atgaataaat ctttaagaaaa gaatctgagt gtgaactact tgacc 535

```

```

<210> 2122
<211> 480
<212> DNA
<213> Mus musculus

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<400> 2122
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cacaccagga ccctatccct gcaactgccct gtgttccttt ccacagccaa ccttgctgct 120
ccagccaaac attggtggac atctgcagcc tgtcagctcc atgctaccct gaccttcaac 180
tcctcacttc cacactgaga ataataatth gaatgtgggt ggctggagag atggctcagc 240
gctgactgct cttccaaagg tcctgagttc aaatcccagc aaccacatgg tggctcacia 300
ccatctgtaa tgggatctaa caccctcttc tgcagtgtct gaagacagct acagtgtact 360
tacatataat aataaataag tctttaaaaa attaatthga aagtgcctt gattgttaac 420
atcttgagct agggctgatt tcttgthaat tcatggattg agaatactta gaggtthgtt 480

```

```

<210> 2123
<211> 554
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

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<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
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 cagagttcta aacttggctc aggggtgctaa cagctgnagn ctgagaagac agatggtgac 120
 ncacnggggg aagggatcag atggagcagg gcaggccaag gaggacagga aggaaagaaa 180
 ggctcctctt atgggtgaga agctgagact cttcagatca cagctcacgc ctgttttagag 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
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ctggattgct cactaagact ttggttagag 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
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ggaatcactt tgaaaatgaa tgagctaaat cattgtattg tcgcaagaat catgcatggg 120
ggtatgattc acaggcaagg tacacttcat gttggtgatg aaatccgaga aatcaatggc 180
atcagtgtcg ctaaccaaac agtggaaacag ctacaaaaaa tgcttaggga aatgcgaggg 240
agtattacct tcaagattgt gccaaagctac 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
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 gcgcacacag tagtcggaaa gaggtttacc tgcaagtgcc acatgcccc 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 gctctctggg gtcac 346

<210> 2129
 <211> 378
 <212> DNA
 <213> Mus musculus

<400> 2129
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 cagagtgagc ctagggggca gaggctaagg cggttcttag agaaggggtgc tgcctgtagt 120
 agaagtctct ggtccttctc actgagtttg ggatgggggg gggatgctgc gttaccgtgg 180
 cgaccctcgg gagggtcagc ctcagaggta tccaagagg agttttttta aaaaaaatc 240
 aggataattt cagagcgcct accaagggcc ttccttatct ttgctacgaa atagaaaaag 300
 ttagaacctt ggatcgggcc agtccatctt ccttaagggt ccccgaaacct ctggatgaac 360
 acccagaccg ttttgtat 378

<210> 2130
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 2130
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 actcgagaca catccaagaa ccagttctac ctgcagttga gttctgtgac tactgaagac 120
 acagccacat attactgtgc aagagcggag ggagatgggt actacgggta cttcgaatgc 180

<210> 2131
 <211> 149
 <212> DNA
 <213> Mus musculus

<400> 2131

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cacaccagca ccctatccct gcactgccct gtgttcctt ccacagccaa ccttgctgct 120
ccagccaaac attggtggac atctgcagc 149

<210> 2132
<211> 156
<212> DNA
<213> Mus musculus

<400> 2132
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ctgaagaggc tggaagctga ccagctctgt tccttgcaat accttgacct ccgctggaag 120
ctgaccagct ctgttccttg cagtaccttg acctcc 156

<210> 2133
<211> 187
<212> DNA
<213> Mus musculus

<400> 2133
tttttgagc 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 taaagggatg ggtgtgccaa 60
agaatcagca cataaggatt ttaaaaaggc agttggtgcc ttctctgtaa cttatgatcc 120
agaaaatta 129

<210> 2135
<211> 495
<212> DNA
<213> Mus musculus

<220>
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<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

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atntaagacc ccacccccta catccatcat caggagtgtt cctctagagn ntaaagnttc 120

tgtttcaccc ccacctcacc ccggcaccat gtgatttcca tacactactt tcattgacta 180

aggatgcccc aaagcatgaa agggaagcaa aaggcattga aacacngaca ggtggcacct 240

ggggaggcac cgaaggtgtt ccgggggtgtg ggggaatctc anctgaggga aganntgacc 300

gtgactatga gatgacagat cagaaccata ttaaacctga acggagcaac agcatcagct 360

tcacagcttg atggcagagg tgacatcagc aacaaataca ngagcgggac cccaacttgt 420

cacatttctc tcaaaccctc cccctctaaa cattgaaagt ntggtaacct 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
 gtgattccac ttcttctgga cctattgatt tgagttggtg anactggttg gtcagaacca 60
 ggnccngcac caccgaaatt ctgtctttta caaactggac caangcgggtt gagaanacan 120
 gggtcgaag agtaggatta ataagagtat tannaagggg ccctgattcc gagngtggtt 180
 tcctcgctta agggaaataa ggtcccatga tgatgatggc ttccagtatg cctgtccagt 240
 ggtctcacag cccatttgc cacagtagcc ctctctcggg cctccacacc ctgttggtac 300

agtatgccccg gggcaaacat agaagtcaaa tgttcttgcc ctttttcttc ccccgaggagt 360
 gcgacacccg agtccagtct catcccagtc gtcccctatt aaatcgcaca agtcaagtac 420
 agtttgggaa aggcacggt cattgtcccc aggagggagg tagcattagc tgtttgtcct 480
 gtca 484

<210> 2137
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 2137
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 aagacaggaa tgaagtgcac caataattga agcctatccc aggcctaaca ggcaaaccac 120
 gggtaagtta caatgcatct tcaacctatc ctaagtgagc aagtggatat tttgaatgtg 180
 atgccaatgc aaggaatcaa aggcaaaaga gccatttgtg agccatagga aaatctgagc 240
 tgcctctcct ctctgccgct cttagccccg accgctcagt gcatctcagt atttctcaaa 300
 ctcagtgcac gatcctaaat accaaaatcc cgcttgggtt tccttgctgg ttcctgaagc 360
 agaatgctcg cctttggaca ggaactgtcc tttgcatttg gcagcccttt tgaagagttc 420
 caaccaaact gttaaagtggc ccgtatcaaa actgt 455

<210> 2138
 <211> 556
 <212> DNA
 <213> Mus musculus

<400> 2138
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 agaagagtca cgtgagtaaa gtatataatc aaagtcaagc tgcatatggc aaaaacatgt 120
 ttttcataa aggtatataa ataacagctg aagtaaactc tctcctatct gctacacatg 180
 agaggagcat gaacacacat tccaagaaca attctctttt tgaaaaaact aaagtcacaa 240
 gactcttgtt ttttcacaag cacttagaaa tcttaggtct tcattcttgg actgggtgac 300
 aataagttag agctaattga gactttgaga ccatgtctca aaaacaaaaa caaaaactct 360
 cccccctac agacacacac acacacacac acacgcaacc tatgtgaatg ttagttttca 420
 taggcaacaa gaggccagaa agctccaagg aggattataa ggtaatccaa ttcattgtctt 480
 atttacatgt ataaaattct aataactaatc agactgaatt ccctgctatg aggtcaatgt 540
 gttgcattgg ctctaa 556

<210> 2139
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 2139
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 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 cctaattgtg 300
 cagaaagaaa agaagtacaa tattgcactc ctgtaa 336

<210> 2140
 <211> 545
 <212> DNA
 <213> Mus musculus

<400> 2140
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 atggtttgtac tgagatgcct tagatacaag agaaaataaa ccgttgtgat tggtaattcc 120
 aaccactgga ttaaatacaa 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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cagagtgc	aaaatgctgg
ggttggccct	gacctaaagg
	60
aagccagctt	agtactctgg
ctgaatcgca	tcctgctgtg
gaaccccaag	tcccgcgtca
	120
ggggcttctt	cctcagtc
at	gggtccatt
tcttctcca	cactcttcag
cttctcctct	
	180
gaatccctct	tcattctctg
gtcattctgtt	tccagctcat
cctctggatc	ctgaggcacc
	240
atactggagg	tctcctctc
ttttacacct	gcattctttct
ccacctctc	ggactgcagc
	300
ttcctcatct	catcggctga
agcctcggcc	tccacttggt
cctcctcttg	gtcctcctct
	360
tgcattttct	ttcccagaag
atctgtgctg	tccttggtcat
cttgggttga	aggtggatcc
	420
gagctggcct	tgtggttctc
ttggatgctg	gtgtggctac
tgc	
	463

<210> 2143
 <211> 216
 <212> DNA
 <213> Mus musculus

<400> 2143	
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ctgggtgaag	cagaggcctg
gacgaggcct	tgagtggatt
	60
ggaaggattg	atcctaata
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 cgaagtgggt 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
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tccgaaatgg acttctgtca tccggcattg gggatcatctc cttcatgcag agtgacatgg 120
gccgggaagc tgcctatggc ttcttcctgc tgggtggcct gtgcgtgggtg tggggcggag 180
cctcctatgc ggtgggtctg gcagcgtgc ggggacccat gcaactgtcg cttgctgggtg 240
ctgccgctgg tgtgggggca gtgttggtg ccagnttgct ctgggcttgt gcagtaggtc 300
tctacatggg ccagttggaa ctggacgtgg aactggtgcc tgaggatgat ggggcagcca 360
gtacagaagg ccagatgaa gcgggcaggc caccctctga 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
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 tcattgctgc caaggaccac gcgtccatcc agatgaacgt ggccgagggt gataggacca 120
 caggccgggt 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
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 atcttgaaat cttanagcac ttactttgct aatgtatgcc cttatctgtc cttacaggta 120
 cacgtagctt cctcgtgggtg atttatcata ttacatangt agagcttgag ttcattgctat 180
 ttgttataaa ttatcttagt tacttttagac actgcttccg tttgantttt aattattggt 240
 tttaaatacc aaattaaatg ctggtttggt gggttggtgtt tttaaatgat tgttccttca 300
 acagcatccc ctctgacgg atggg 325

<210> 2148
 <211> 450
 <212> DNA
 <213> Mus musculus

<400> 2148
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 tatatggaca gtgggatgtc tctggaggtg gtctggcagg tgtactatcc gatgatgcag 120
 cctctaataag aaaagttttc tgcaaagtgt cctcgttctc cagtgagaga attgctcgag 180
 atggaaccag aaactgccaa gtttagccca gcggagagaa cttatgatgg aaaggtcaga 240
 gtcaccgtgg aagtgggtgg aaaggggaaa tttaaagggtg ttggccggag ctacaggatc 300
 gccaaagtctg ctgcagcacg aagggccctc cgcagcctca aagctaacca gcctcaggtt 360
 cctaacagct gaagcttccg gactcacagg cggcaagaca gcggaccaga accacagctc 420
 cacggcaciaa ggatgggttc ggctgacaca 450

<210> 2149
 <211> 348
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (58)..(59)
 <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> (131)..(131)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (180)..(180)
 <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> (200)..(200)
 <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> (241)..(241)
 <223> n is a, c, g, or t

<400> 2149
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 gtggactctg catggcacca gagagatggc ttagtgttta agaccctgag ctgctcttcc 120
 agagnatgaa ntcagttccc aggaccccat atagaggggg ctcacaacca tctgtagctn 180
 tagcttcaag tgatntgatn ccatgttcta ggcatntgca ttaacgtgcc cgcgtgcca 240
 ntcgtgatga ttcagagaat acagcctggg 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 gggagctaata tttttaaacc tatcagcaat gaaggatata 120
 gtactaagta aaattaathtt ttttttttgc ttttgttttg agacaggatt tcactatggt 180
 gctctgggct gggctgtaac tcactctgta gaccagacta gcctggaact caagagatct 240
 gcctgtctct gtttcccaag tgctgggggt aaagtgcacc accaagcctg gtggaattgt 300
 cttaatggat tgaagtgtgt aaacttcatg aaacctgcct ttggttacag tacctttgcc 360
 tttaaaaact attcacagta taacgtgtgg aagtttgat cacagtcttc catttcattt 420
 ctagtagtta ggatacctaa aagtttagtc catcatctgt gtttcaaag ttttaattaga 480
 aggggtgcaac tcgtgtcaaa taa 503

<210> 2151
 <211> 447
 <212> DNA
 <213> Mus musculus

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<400> 2151
gctcctgact ggctacgagg caaagccaag gtcaatcaag agacaatcca gcggctcctg      60
gaggagaatg accagctgat ccgctgtatc gtggagtagt agaataaggg ccgagcgaac      120
gagtgcgtcc agtatcagca tgtgtttacat 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 cctgagagga cctgaggtgt      420
atgacagcgg tgtcattgtc aacaata                                           447

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<210> 2152
<211> 379
<212> DNA
<213> Mus musculus

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<220>
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<222> (38)..(40)
<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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<220>
<221> misc_feature
<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 caaacctga cagccatctt tcgctgtctg tacgcacttg      300
ggttccaccc cctgtcttca aaccacttcc ttctctccca ggaaagcggg agtttcacct      360
atcacacccc tgtgaaggg                                                    379

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<210> 2153
<211> 420

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<212> DNA
 <213> Mus musculus

<400> 2153
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 gagatcgtct tgggactgct ggtgtggact ctcacgctg gcactgagta ttttagagtc 120
 cctgcttttg gctgggtaat gtttgtggct gtcttctact gggtcctcac cgtcttcttc 180
 ctcatgtgtc acatcacctc gacttacacc aggattcccc aggtgccctg gaccacagtg 240
 ggcctgtgct ttaatggcag tgccttcgtc ttgtacttct cagctgccat agtggacgca 300
 tcttctgtct cccagagaaa ggaagggcac aacttcaaca gctgggcagc ctctcgttc 360
 ttgctcttc tggtcacctc ctgctatgct ggaaacacgt acttcagttt catagcctgg 420

<210> 2154
 <211> 463
 <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> (87)..(87)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (89)..(89)
 <223> n is a, c, g, or t

<220>
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 <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> (125)..(125)
 <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> (141)..(141)
 <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> (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> (253)..(253)
 <223> n is a, c, g, or t

<400> 2154
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 gtaccttttag ttgtgttgnc atggaananc caccagtaag tncnacagg gaaatgatcc 120
 tgaantgaan gaganctgct naacactggn tagcattcta aactgttgta gaattaaccc 180
 accttcatat cttgtttctt gttantnttc ctgtaatttt tatgagattt tatcagcact 240
 aaggacctga atnaagtata actacagatg acatagttct tgtcctgggtg tcaaggcctt 300
 ctttccacac cactctgtgt tatttttttc agagtttatt ctatatgctt aagggtggaa 360
 atgaagatct ttctctgggtg ctcgggatta aacctatggt catgttaggc aggccgtctc 420
 ccgttgagct gtacctactt caaagatctt ttaccttcga ctt 463

<210> 2155
 <211> 559
 <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> (147)..(147)
 <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> (343)..(343)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (490)..(490)
 <223> n is a, c, g, or t

<400> 2155
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 tgtatttctag acacattgtc agagtacatc ttgcatttca aaaatacaga gttggattga 120
 acataataac atntcttaaa atcctancac ttggaaggac cctatcacia ggcaagagaa 180
 ttgtatacag tgacctntc ttcaaaaacc acaaaccaaa gaattatcca gtgaatgcc 240
 cacatctttg tgtatatggg cagcaggggg ttattttaaa agaaaataag atttgcagtt 300
 cagagagaga tgggaaatag gacaggggaa gtggatttga tcnaacgaca ttatgtatac 360
 ataaaattcc caataataaa aatatgaggt attttttaaa taggcagttg gaagaatggc 420
 tcagtgggta agagtaagtt ctgctctaga agaggactga agttcagcag ccacactggg 480
 ctgctcacan ccacctgtac ctgcagctcc aggagatctc acacctgat actcacaggg 540
 acctcacgtg cacacattc 559

<210> 2156
 <211> 451
 <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> (371)..(371)
 <223> n is a, c, g, or t

<400> 2156
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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 caccttcctt tggcagcaac 420
 cagacctgga catcagcctc gggctcaaga a 451

<210> 2157
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 2157
 gccccgaaa aaatctgtc cagagacgt cacacttcca gatccggaga aaaaagccac 60
 cctgaattta cctggcgtct acacttccga aaagccatgt cggcccaaatt cagagtaact 120
 c 121

<210> 2158
 <211> 500
 <212> DNA
 <213> Mus musculus

<400> 2158
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 agagctccga atgtcaaca aagaactgat gacgtatttc cagccgtcag ccataagatg 120
 cctgcctggt gaggtattca aagagctgtc cacggagcag atcgcttccc tgggtcctca 180
 gaatgcagcc tctgtaacct actcccagcg cctgcagctc agctcggcac agctgcagag 240
 cctccagagg gcactagatg gcgccaagac tcaactcctgg cagaccgatc ctctgagttc 300
 cagccctacc tggccagcct ccaactgggtc cccaacagga gagcctgcct ccagggcgct 360
 ttggcttggc tgtaccctgc tgcttctgac ggccaagtcc tgatgccgag tggcctgttg 420

agtgttgcaa gaagctgggtg aagggtgtgca gagtcagaag ctgctttcag acggggggaga 480
cctttacctg aggagcctta 500

<210> 2159
<211> 382
<212> DNA
<213> Mus musculus

<400> 2159
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ttgtatttgc attcaagggg aggaaacttc ctgagaatta caacgaagcc aagttcctga 120
cctttgggat gctgatttac ttcatagctt ggatcacatt catccctgtc tatactacca 180
cattcggcaa gtatttgccc gccgtggaga ttatagtcac tctgatatcc aattatggga 240
ttctctgctg tatattcttc cccaagtgtc acattattct ttgcaagcag aagactaaca 300
ccaaatcagc cttcctccag atgggtttaca actactctgc tcacagtgtg gacagccttg 360
ccttgagtca tgtttccctg ga 382

<210> 2160
<211> 134
<212> DNA
<213> Mus musculus

<400> 2160
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tgccttgaac acaa 134

<210> 2161
<211> 240
<212> DNA
<213> Mus musculus

<400> 2161
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tggaactgcaa tgaccagaat aaaccaagg aagctatcaa caaagctggg gcagcatcag 120
actccacccc agatgcaggg attggggaca atctgcatga tggcccagag ataaaggcag 180
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<210> 2162
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<212> DNA

<213> Mus musculus

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<222> (244)..(244)

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

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cctgcagtgt gaggggggtcc ccgcgtgaca gcctctgtcc cccactgaca gccccgcccc	120
tgggagctgc cagaggcagg aaggcaagct aaggcataga aacctggttt tagctccggc	180
tctgggtgct gtaaaacctn nccgcatcca gtgtcctgaa cnaccgggcc accaaganca	240
gctncaggaa gaggttgacc agacgaagcc ttcctggttc ccttggtcc attggacttc	300
tttgggtaac ctaagcagtc tgtggcccag aaaccggga agaaccagg aaacaccca	360
ttccggctaa ggggtggacc cgctgaaggg actcttgat ttgaaggact gcttcacatc	420
tcacctgcct ggccctgctg ttgctttaag tgtgtattgg gggcttgtag agtgaacacg	480
gctcatgtct acagcattgg atcacagaaa cagtggccgg caatcatcgt ttctat	536

<210> 2163

<211> 468

<212> DNA

<213> Mus musculus

<400> 2163

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agtccatcgt ggactttgtg acgagccacg ggaacatcaa ggccttcac tccatccaca	120
gctactccca gctccttctc taccctatg gctacacatc agaaccagct cctgacaagg	180
aggagctgga tcagctagca aaatctgctg tgacagcctt gacatctcta cacgggacca	240

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agtccaagta tggcagtatc attgatacga tctatcaagc cagtgggagc actattgact    300
ggacctacag ccagggcatc aagtattcct tcacttttga gctgaggagc actggggtca    360
gaggtttcct gctgcctgcc tcccagatca tccccacagc ggaggagaca tggctggccc    420
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<210> 2164
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<223> n is a, c, g, or t

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<400> 2164
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ggcagcacng agggaccctg ccctgcccct cccagctct ttcccatnt caccagcag 180
ccactgcctg gtgggcctgg ctaaggggtgt gtgctgctcc ttaaaccact gctccccaga 240
acccaaggca ggccacctcc aacctgtggg atgtcgtcag gattggaact attctgtacc 300
tactggcttt gggcttaa at tttntcttct gaatttgaat gcttgacccc aggaaggagg 360
agcaggtgtg gggctaggta cctggacttc ncagtttaga acaagctctg gncnngncc 420
gggccaggcc aggcctaggg agccaaggcc tagctgc 457

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<210> 2165
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<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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ggaagtggcc tccacagaag gtagtcatct tcacctcta ggacatttaa aacatgctca 180
gtccctggac ccagatgatg gcttctcagg gcaagtcata agttatcagg tccacttgtc 240
tggaagaata acaagaaagc tgctgctttc gagatcacc gccagaggcg gggcacgagg 300
cacactgtgt tatactgcat gangccatga attgggctag aggaancctt ntcacagat 360
actgaccata gcatgtgaca ctcagacttn tcagctcctg tgcacccag ttaggctct 420

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gaggccacat ggaaactct

439

<210> 2166

<211> 443

<212> DNA

<213> Mus musculus

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

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<223> 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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<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 cccacccta cagccctgga tcctctgttc agaatcaaag 240

cagcccttcc ctgccccggc catgtgattg tgtttggtga ttgactgaag tgnctggtgc 300
 tngtntccct caancccaac cccctccatg gagnccctt cccagtgaca ctacctgggg 360
 ctccantctg ggctncccct agttcacctg tgctcctggg anccaccctt cctcttacgt 420
 ctgtaccttg aaagctgctg ctg 443

<210> 2167
 <211> 258
 <212> DNA
 <213> Mus musculus

<400> 2167
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 ttaaattccag tgaggacaaa gaagtcattt ttttatttgt gtttgtgtgc cctgagtggg 120
 cagtgtgtgt cagagtcggc ttgggggtcc aggccagccc ctgctagaca ccactacagc 180
 tcagagtggc gtggggctgc ctcagatatg agcctgcaag gctgcccttg gtgttggtag 240
 gaccttagcc tgattgct 258

<210> 2168
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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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 actcacagat gatgctctat ccttactcct acgactataa gctgcccag aactatgagg 120
 agctgaatgc cctggtgaaa ggtgcngcaa aggagctttc cactctgcat ggcaccaagt 180
 acacatatgg cccaggagct acaacgatct atcctgctgc tgggggatct gacgactggg 240
 cttatgatca gggaatcaaa tattcnttta cttttgaact ccgggataaa ggcttctttg 300
 gctttntgct tcctgagtct cagatccgcc aaacctgtga ggagacaatg cttgcagtca 360
 agtacattgc caattatgtc ctagagcatc catattagtg aagaatntgg attgccttat 420
 tttnaaattt ttactgttca ttccttgtct gatgtgactt ngtttgtttg nnnngagggt 480
 tgcagattct aatctttctc ataattttct tgatgtaatg accaattgga cccttgaaa 539

<210> 2169
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 <212> DNA
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 <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

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 <222> (323)..(323)
 <223> n is a, c, g, or t

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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 aggggtgggat cnnctctta caacttctta aatctgtatg 300
 ctgcccgttt taatatatnt ntntctctga tgttcaagtt taaaagggtt ttctatccac 360
 tgtcaatntt aattatataa cattttgtca aggttttggt ttggttttggt ttccctttct 420
 gattgttact tgatgctagc tggaa 445

<210> 2170
 <211> 367
 <212> DNA
 <213> Mus musculus

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 <222> (192)..(192)
 <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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 gcggctggtg agtggcatcc agcaccggg ctcagcaggc gtctacgaga caactcagca 120
 cttcatggac atcaaggaac acctgcacgt ggtgaagaga gatatcgaca gcctcgaca 180
 gcgcagcatg cncatctaata gaaaaaccaa aatgccaga cctancancc attcccgtcg 240
 tgtctatcca cgatccactt tgtgatatnt gtagtggtgc agacagtgtt gttcgttggc 300
 tatatcatgt acaggactca gcaagaagca gctgccaaaa aattcttttg accttcattt 360

tcctata

367

<210> 2171
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 <212> DNA
 <213> Mus musculus

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

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

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 gggactaata gatgagggtc aagcgtttta ttacatcttt ctttagaaca gaaaatctat 120
 gtgtgtgctt gagtactgcc ttaaaagtaa aagcctttcc tagggagttc ctggttggtc 180
 atttgtcagg tgcagttccc ttttcagat catcagcctc agaaacgttc caagtcagga 240
 gaggaggcat gtcagttttg gacatcttgg acgtgaagct aactgtaaga aatgacggtt 300
 tagtgtttgc actgctaggg gataggaata gtgttgngg attgtgccnt aatttatng 360
 tanattaaat gagtctagaa ttttcttcag gtgtaagcaa agtagagctg gctttggccg 420
 aggctcaata cagcactttc tcccagtaga agaaaagaca gctaattggaa 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 aatcagggtca agacagagtc ataacaagtg 300
gtaactttgt tatattcaag aagaaatact tcaaattaag ttgctactac ctctttctgc 360
tgatctctgg aaa 373

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<210> 2173
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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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<220>
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<223> n is a, c, g, or t

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

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<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 ggatgttggt atactagaga agaggtagtt 360
cttcctcctg ctctatgctt ggcctgcaag tagaaaaggg gttgactgtc tttctacctt 420
gtctggaaat gactagaatt accatctcct gttggctgtc ctcccctntc tgagaaagat 480
caagcagacc tgatgttcaa caagtagtgt tcgctgggtc gtgttc 526

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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> (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

<220>

<221> misc_feature

<222> (429)..(429)

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

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cagagctgtg cccacacaca agtctgtttg ctcttcttat gtaacaaagt gccatgggat 120

ggggacacag ctctagcaga gcacttgctt gccatgtgag gctcaagggt cagtttctag 180

caccaacaaa acnnaacaat ttatgaaaat gaaacgtttt gttgcaatct gtttttttcc 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

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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

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

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 cttcaagcta ctgctgctgg gtctggctgc cttcaacttc gtcggcgcct ttatgctgga 180
 gagcntgnct ggaccagtgt ctcccagcct gcctgcggtg gctgcggcct aaacgggcct 240
 ccaagaagca attcaagcgg ctgcaacagg agcttgcaga acatccatgg cccactctgc 300
 ccgttggtc 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
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cagggtgcgct atggcacagt gtggagtgac tatgtagggtg gcacacaggg agacctggag 180
gagatc 186

<210> 2177
<211> 212
<212> DNA
<213> Mus musculus

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<222> (126)..(132)
<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> (136)..(140)
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<222> (142)..(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)..(150)
<223> n is a, c, g, or t

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acggacaagg gccgctacct gcctttttgga 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

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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> (406)..(406)
 <223> n is a, c, g, or t

<220>
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 <222> (408)..(408)
 <223> n is a, c, g, or t

<400> 2178
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 cattgcatca cagtcattcg gcaagagggg ccttgccggca gacttctgtt cattgcagag 120
 tgggactcac ccctgaagaa cactggtcga aatattatac aactgcaacc cttttctact 180
 tgagacattg aagttcagct caggagacct gaagatgggg nctgggtggga aaggaccagc 240
 agacatgtag gacttcttta catgtgttca gtccccaca gnagctaagc acagagactg 300
 gctttgctct ctgtctctg tgtcttcctg taaactggga ctctaattggg atggtaacac 360
 cacgattccc ctggttttggg ggcctaaaca gtgatttttt taaaantntc cccttttctg 420
 gatcctttgt acacat 436

<210> 2179
 <211> 484
 <212> DNA
 <213> Mus musculus

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 <222> (144)..(144)
 <223> n is a, c, g, or t

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 <223> 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

<220>

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<222> (375)..(375)

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

<400> 2179

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ggaccgccta tcacgccgac tgcnttcccc aggccccggg tgggctaagg ggctgggtct	180
gcttcaccaa tcacccaacc tgagtcccc agctttacca cagagctgcc aacgtccttt	240
cactgtctcc acacgatggc ccagtatcct tggttgtgga tagggtcac cctggctcct	300
caccagcac ccagcttaac cctgccaccc cacactcctg ggagcactgg gctgaggggg	360
tntcagctgg ntntnggagt ccagacctcg ccatccccctg cccaccattg ccgtggaggg	420
ggctgccagg catagctgct gtgagccatg tccttgtgtg tgtctgttca ctcttaggag	480
ccac	484

<210> 2180

<211> 472

<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> (289)..(289)

<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> (328)..(329)

<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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 gggagcccga ggcattgaat ttgactggaa atatatccag atgagcattg actccaacat 180
 cagtctggtc cactacatcg ttgcatcagc tcaggctctgg atgataacac gntatgacct 240
 gtaccacacc ttccggcctg ctgtttctct cctgatgttc cttagtgtnt acaaggcctt 300
 tgtcatggag accttcgtcc acctnttntt 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

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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> (337)..(337)
 <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)..(361)

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

<400> 2181

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ggacagtgag gagattctcg aaggctataa gaggggaaggg attgaccccg ctccttacta	120
ctggtataca gatcagagaa aatatggcac ctgtcctcat ggaggggatg gcttgggctt	180
ggaacgattt cttagctgga ttctgaacag gtatcacatc cgagatgtgt gcctgtaccc	240
tcgatttctc cagcgtgca ggccataacc atggggccct caagcacgaa ggaaatgaaa	300
agttaagact gcctctgcaa aagaacaaan nncnccnaaa ntcgtccctt gacttcctgt	360
ngggggtagt 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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tttccttatt catatagtgt ttataattct gaggggatg agttgacagg ggaaattaat	180
gaaggggaaa tggattataa ttgcaatga acatgattgg atgggtgggtt attcaaata	240
ttccaacccc gttagccttt agtttaagaa cggggcagat ggggcttccc tctttgtaat	300
tcctgagtaa caaaagtaaa tctgtttgca aagactttgc acctgaatct tagccaccgt	360
agacagctac gtcacccctg cctggtcctt ggggtgccatc tgcactgcct tgccgactca	420
gcagggctac cagtggctga agtgcagttg ctctccccag atgcatgccg tgtgttctaa	480
tgggctgtat ccactaacc aataaa	506

<210> 2183

<211> 388

<212> DNA

<213> Mus musculus

<400> 2183

cccgtgcgga agagaactgc tgaagaggag gatgaagcag accccaagag gcagaagaca	60
gaaaacgggg cgctggcatg aaccctgcc cgtgggcttg gggatgggag gccctcagg	120


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tcctggaggt ggggcgggaa cacacaaatc cagccccctt tctcctggct ccctgctctg   180
gccctgcccc agagctgtga cccttgctct ttgaccacgc ctctcatttc catctctcca   240
gacactgctc cttcacccctc actgccaccg gtccagctcc tgaccgcct catctgagct   300
ccccagccag ccctcacttg ccctagcatt cttgtttctt tttcctgcct tccctcacca   360
tcccatatgt tccggtcctt gcgaagcc                                     388

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<210> 2184
<211> 416
<212> DNA
<213> Mus musculus

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<400> 2184
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atTTTccctt ttctactctt atgttctgat ttctttcatc tatgcctttt aatttcccaa   120
ttcagttttg tgagcctgcc cggtaaagtg aattaagcat cccatctgcg ttgtgctgtc   180
ttgttcccgT gacgagtact taattgaagt gattctctc agcctcccgT caggaatttt   240
tgatcacatt cagtttaaTt cacattcact ctgaaaccaa aactaatctt tcagccaaaa   300
gttgtcataa tgatttaaca tgggacggaa agccccgttt ctaggatcgt aagcggacga   360
cagaagcagc gttgaagcag gatgtctgtg ttggactcta aaacccatct cagcat       416

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<210> 2185
<211> 447
<212> DNA
<213> Mus musculus

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<220>
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<222> (57)..(57)
<223> n is a, c, g, or t

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<220>
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<222> (136)..(136)
<223> n is a, c, g, or t

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<220>
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<222> (161)..(161)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)

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

<220>

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<222> (234)..(234)

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

<220>

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<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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gtctctgggtt gtagaggctc ttctcagtga ggtgctgaat ctccagaaga ccctgcacga 120

tttcaaacac cgttcngtcg agcagcgcca gggccaagtc nctgagcgtg gtgtagnaca 180

ggcgctgctg aaaggagctg gctggtgcca tgctctctac catgggtggc ctgnagtcac 240

cttctgaagc tgtaagaccc ccaacaaacc cttctgtaag tngccttggt catgggtgtcc 300

tcgcancaat agaaaagcct ctganacacc agtcactcct ctccgcctgt cctccttcct 360

gtaggtagct tcagacattn tacctggctc ctgtgtgggc cggnagcctt gaggggcatg 420

tcaaatctag ctgtctagct gtgcctt 447

<210> 2186

<211> 442

<212> DNA

<213> Mus musculus

<400> 2186

tgtactatcg agtccataca cggctctcta aagccctaca gagggttcat gtgttttagac 60

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ctgagaaatc aggacatgga aatcagagca tatacataag gaacttaatt ttaatgtaat 120
catgtctaata gacccatcatc ttcatcctt gagattaccc aagtaccgac atgaccaaga 180
agcctttccg tcattgagta cctgattttt aaaagcaagc acccaaataa ttctctctag 240
ggaatctcat ttgttacagg tgagaagaca gaggggtttt tggtgcctga gttagtcctg 300
tgcctaacca gtggagtttc cgtctctgtg cttgctaata gtttcacaag tggcttgact 360
tttttagaag tattatgtgg tattttactg tgtatcactt ctgtggtaaa catgtgaagt 420
cctttggctt agtcatactt ca 442

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<210> 2187
<211> 533
<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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<220>
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<223> n is a, c, g, or t

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

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<220>
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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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<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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<220>
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 <222> (452)..(452)
 <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> (475)..(475)
 <223> n is a, c, g, or t

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 <222> (500)..(500)
 <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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 gaagctgtta gncctggtga aggctcatcc tctctggagg atggtgacat cattccgtct 180
 ctggtttgct ccagtgcacac tcctgggatg gccttacgca gtcaggaata accaggcata 240
 aggtggggaa agctgtgact gcatatccag agaaggaagc gcatagagga ggcaggccct 300
 ggggttgggg ttgnccctgg ggtgtagcna ggattgccta gtgtgcataa nccctgggct 360
 ccatcccan cactntgggt tcgaaccca gcagtcaca gtcacaact gtaaccctac 420
 catgctaggg gattagaagc tcaagnccac tntnagctac tcagagaatt tgatncaagc 480
 ctgggctaca cgagaccctn tnttcaagaa aatagatcct tagtgactga cac 533

<210> 2188
 <211> 543
 <212> DNA
 <213> Mus musculus

<400> 2188
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 tgacacagca gtatggcatt aatttccatt attctaatat ttaatgataa ggaggctcct 120
 tttgccact ttttaaattg gatcagttat cttatcaaga atcatgaggt atttttttgt 180

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tttttaattc tggattcaag ttcttaaaga aatatgtgac ttgtgagtat tatctccata 240
tttgtgagcg catccttagg ctttttctta atcatctttg aatagacca gttttccctt 300
cccaatctac atagttatctt cttctttgtc ttactgaagt aggtagcaac ccaggtattg 360
tctgatcact gaggacattt gaacaaatgt taaccatttg attagttaac ttcattccaac 420
ttcatttgtgt agttttttgta ttaaagtgtt aactgccaga agcacgcaga ataacctatc 480
ttagtttttta tttatcttat gtgcaactat atttgcctaa tatgcagctc ttattccaaa 540
ggg 543

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<210> 2189
<211> 499
<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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ttttgggagt cccccctctc tttcccgac tccagcccctt tttatgttgg tttagcacia 120
atctcccccc aacctccaaa ccagaccccc taccagtcca tattaattgt tttatatcta 180
tttaattctta ttcgatggag accatgcttc ggttgtttta tactttgcca ggtaaaacttt 240
attaccacc ccacctccaa ctatgcccta atttttttna aaaaaggaaa aaaaaaacac 300
acacaaaaaa aacaaaacaa aacaaacaca gagacttttg gttcgagtct cgggtcttaat 360
tccctttctg tggcagggtt tcttccgtgc gtgtgcctgt gtgtgtgtgt ggagtgagtt 420
ctgatttgtg ttcgtttctc tgttgatttc tcttgttgct ttcttccaac cccgaccctg 480
gtttccgtat ttcacagca 499

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<210> 2190
<211> 503
<212> DNA
<213> Mus musculus

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<400> 2190
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taatcatggc cctgtctccc caaatatacc aacttttgcc tgtaagttcc ctaggacatc 120
tatttcactg tgtcgtttcc ttccctcttt tgaaatgaag acacaggctc cacacattcg 180

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tcctttccat agagcaggta taggaccagg tgcaataaaa aaaaatggcc ttgagtatcg      240
gccgagatac aagggtgtacc ccatcttccc tggcccctgg gtctctttcc tgtgggagtg      300
taactgagaa gtgacagcta catcttagac gtgtcagtag cacatttcat taccagggtc      360
tgtacctcag aggtagagcc agatctggag ctggccatct ggtgtcttca ctctcacaa      420
ctttttttcg ttcatttggg aaactcagaa agtgggttct aaaatacagg gtgttctcca      480
gtgtctgacc ttagctcaag cta                                              503

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<210> 2191
<211> 526
<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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<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<400> 2191
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gctggctatt atctctgana tcctggagcc acacctgggg aagtgctaata ggccaggaca      120
tatcgaaagg acattgccct ggaaaataaa tgaggaaacg aagagggttat gagagacagg      180
gtcagccaag aaagggatag agctggagca ggggggatgca cagaggaggt catggaaaga      240
agctaagcta tggggactga caagagtaag gatggagagc cctagagact acaaggttga      300
aatgggaaaa gccaggaaga atgagcnaaa ctggagaaaag gataggaggg agacaagaga      360

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tagggctggg gaagtgaagc atggaaggag agaggntgag aagggntgaa gacagttttt	420
aaagggagat gacaaagcag aggaagacag aagatgatag gatgacctgg ggagttgncc	480
atttctcagg gtggtgcggg ggagatggct ctctggtggg acaacc	526

<210> 2192
 <211> 428
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (386)..(387)
 <223> n is a, c, g, or t

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

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agcctctgtg gtataaaaca agagtctgtc tcttgggctt tttagacaga gctcaccgag	120
ttgaagtgtg aagtgtagtt cttattgat cacatgaacg tctcctgagc ggagactgta	180
gaacttgaa atgagaaatc ttgccgtggg cagtgggtgca aactgtggct gaggcccgag	240
gagcttgagt tcaagcctgc ttggggctgt gtagccagac tgctacaaag gggttaagag	300
agagagagag agagagagag caagagagag agaggagag cacgcgcgag agcgagagcg	360
agcattcagc tggcttgagc tgtgtnnant ctgcagagac ttcagaacca cacattcctt	420
cttatgtg	428

<210> 2193
 <211> 149
 <212> DNA
 <213> Mus musculus

<400> 2193	
gtaaactgag gaaggcccca cactgaccca gcaatagaag tgttgagaag gcagacttaa	60
ggctcttccg gcttagacac acagtgcctt tccctgtgaa cctgcagagg ccctggtcag	120
cattttctgc tttcacagaa gcagctcac	149

<210> 2194
 <211> 258

<212> DNA
 <213> Mus musculus

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

<220>
 <221> misc_feature
 <222> (150)..(150)
 <223> n is a, c, g, or t

<400> 2194
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 aagtcattta aagtgtgacc aagcactgct tttagggaaa gacagcagtg accagctctg 120
 tttgtcttga ggacacaggg tttccgnagn cttcacgttc ttcaagtcac tcctaccgat 180
 tctgcctcta cccttgtggt ggaagtctca tccctcacag tttcttgtct tctgggtctg 240
 acctagatgc gagctggt 258

<210> 2195
 <211> 140
 <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> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (93)..(93)
 <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> (102)..(102)
 <223> n is a, c, g, or t

<400> 2195
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ttaacatctc tgacagctcc tcatgncctc gtngctggan tnggctaaat gcttagctac 120
ctgagaaaatg attcggtttt 140

<210> 2196
<211> 168
<212> DNA
<213> Mus musculus

<400> 2196
gcaggttctg catttcaacc acaggggtct ccagggctac aaatctgcct ctccaccttg 60
acttcagct gcctggcact ttcggcata ga ctactcactt tctgtgctgt ctaaagttct 120
atctcagatc tcagcttctt caatagcccc tatggctgta gcagtggc 168

<210> 2197
<211> 114
<212> DNA
<213> Mus musculus

<400> 2197
aaggccaaga tgcactatcg gaagaagaag cagatcttga ggttacggaa acaggcagaa 60
aagaatgtgg agaagaaaat ctgcaagttc acagaggtcc tcaagaccaa cgga 114

<210> 2198
<211> 134
<212> DNA
<213> Mus musculus

<400> 2198
ggggcgccag tacctgctga ggccagggga gtataggcgc taccacgatt ggggcgccat 60
gaatgccagg gtgggctctc tgaggagaat catggatttc tattgaattt tcttactctg 120
ccctttcatc attt 134

<210> 2199
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (220)..(220)
<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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 tcttaatggc acatgctacc agtctccaaa gtaaggaaca gccggctgga cgattgcaaa 180
 tgaagcagct tagcattttg ccgcctgaag cttaccaagn tagtatntcc tgtaagacaa 240
 cctatgtgct gtgtacacaa tagtattctt gagcaaccat ggattttgca aattttttaa 300
 tttaacattt gtttagaaaac tagcctatga ttatcatcac tggatatagt ggagacagaa 360
 aaagctgtta catgtactgt ccaatg 386

<210> 2200
 <211> 159
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (60)..(60)
 <223> n is a, c, g, or t

<400> 2200
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 tcctgggtgc agtgtgcatg ttcttagctt ccaagctgaa agagaccatc ccgctgactg 120
 cggaaaagct gtgcatttac accgacaact ctgtgaagc 159

<210> 2201
 <211> 264
 <212> DNA
 <213> Mus musculus

<400> 2201
 ggccttcagc ttgtgatcct cctgtctcag cctcctagat cctggaatta cagacacagg 60
 ctacaacctg ttgctagata attctttagg catataaaac ttgctgacca ggagcttcct 120
 taaagaatga cctgactaca agattaatct tattccttga caagtacaca tgtgagtaga 180
 gcagcttgtg aacttgttag ttcccaaaac caggaagggtg gagaccagg atattgtgtg 240
 gctgccgaga aagcgctacg tcag 264

<210> 2202

<211> 495
<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> (147)..(147)
<223> n is a, c, g, or t

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atatttcgtc nnncccccca tcgcagnccc ctcgcttact actcccaacc ttgtggcccc      180
cttcttcctt ggcccacttc ccagaatccc cctccccagg ncccagactt tgccagcccc      240
cncagngcac cgtccttact ccgcaggcca ccccaactct cagatccaac atcctgtgtt      300
tcaagcccct taggnntncc tgcccnttcc accccgtttt anggtttcca gtgtntgntn      360
tntaagagca ggtgcaaccc ttgntnttca gagantcttc ctgcctttgc ttcttattnc      420
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 ctgnncgctc agctacangt gaccccaggc tcagcccagc aacgcttcac ccagggtttcc 180
 gacgaacttt tccaaggggg ccctaactgg ggccgtcttg tggcattctt tgtctttggg 240
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 gcagcctgga agccctcggg aggactctcc aggaagtaga tgcaaagccc accccctaac 180
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 aggatgactc cttagattcc aagagttctt tgcccacaga tgagtcagtg aaggaccaca 180
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 aacttacaac ctctctactt tcaacctcag caagctcagg caggatggat attagagtgc 120

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ataagctcaa atatttatca cttgagatgt attaatatatt accagggggtt ttgatttggt 180
ttatttatgt aataaagaag gacatacagt tagtttttaa ttgcattgaa tcnagaagct 240
gangtanttc aaatTTTTTT ccttttcctt ctaattgttt tgaaattaaa gttattgatt 300
ggttttgaaa tgtacttgcc attgtgaggt cagagtagta tagaatgttt gcttttnttt 360
ntctttgagn tcctaattgtg tttggaaata aaagaatggt aggaaagtgt tccactgatt 420
gtcacaaaga aagtaaattt gtgaaagtgt atttgagaat ggaatttaag atcatgactt 480
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ttttgtttgt ttgtttttcg agacatgggt tctctgtaac cctggctgtc ctggaactca 180
ctttgtngac cagctggcct cgaactcaga aatccgccag cctctgcctc ccgagtgtgt 240
ggattaaagg tgtgtaccaa cacacccggc gagtctccct ttcttaacct catgaggata 300
atccttcgcc accatgatgt gctctcctaa ctcatTTTtg gactgttac ctacacacgt 360
cctcttttca tagacaagga aactgagaac aaacaaggtn cnaaaaaaaaa aaaaaaaaaa 420

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462

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caactctcag tggctttcct ctttcctttt tctttcttcg ttctgcaaac atacacaaga 240
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agttagtgtc aagttnaacc ctaaaaacan gnttaagtnt gagactagaa ctngccatta 420
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 acctgcnttc natataaccc agnancntn tctctancga ccacactncc cacactntgt 180
 tacgttttca ncaataggnt cttcacatct gactgtggtg acagcnggan caaggctaca 240
 gcaggtgctg ttttgagncc cnttggaag acattttttg gagcagacaa atggctgagc 300
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 tttaggagga tttatnttcc ngntntcctnt ntggtagntc tnacggtttt cttnttcaga 420
 ctctgggtaa gcgaagctnt ggacagtgtg tgctgacagc nccttggcag ctgcctctgg 480
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 gttgcagccc acatagtgcc tggcattctc ctctctctca gtgtgtaaga actccatggg 180
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 cggntccgac ctgtgaaaaa acggaaagaa gtccaggagc tagtgtccac catggccaca 120
 cggggagcag tgagggccca cagccctcgg gggcctgctg tgcattgtggc ttttttaaca 180
 ctgtaactag attagactca gggnttttaa ccatccctct ccaccctctt ngctttcctc 240
 tcctctttcc tctcagccan tgtcctttct cttttcctct agaggagtgt agctgtctaa 300
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 gtttttntt ttttaattaa aaatattaa tttcctgtg gcanttgnag canccncant 480
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 cactagggtt tgtttgtcct ctgggggtcct ttttggcaca tgtcagtttt gtttatataa 180
 aatgaagaga ctgtctctct gatgatgggt ttaatga 217

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 <212> DNA
 <213> Mus musculus

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 aatacattgt gtgcgggtgg gggtaggtgt tgctgcatg taggtctgta tcgcatgtgt 180
 gcctggtgcc catggaagcc agagaagggc aatggatccc tagaacctga gttacaaaca 240
 gtntcagccn tcatgtggat gctgagnatc naacntant cttctctaga agagtagttc 300
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<210> 2216
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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
 gcaaagtaca tctagctacc ggtaagggtca cccactcttt cctccatgta ccagactgcc 60
 cctatcctct gctaggaaga gacttgctga ctaaactcaa agcccagatc cacttcgagg 120

```

gatcaggagc tcaggttgtg ggaccaatgg gacagcccct gcaagtgtg accctaaaca 180
tagaagatga gtatcggcta catgagacct caacagagcc ggatgtttct ctagggtcca 240
cctggctttc tgattttccc caggcctggg cggaactgg gggcatggga ctggcagttc 300
gccaagcgcc tctgattata cctctgaagg caagctaact atgggacagc cgctagtcac 360
cctggccccc catgcagtan aggcaatggt caagcaancc cctgaccgct ggctatccaa 420
tgcccgcacg acccactacc aggcaatgct cctagacact gaccgagttc agttcggacc 480
agtggtggcc 490

```

```

<210> 2217
<211> 272
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

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

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<400> 2217
aggccgggag ctgggagggtg acagcgaggc cgggggtgacc ggtggggggcg gccggcactt 60
gtacttttga gtgggcccgtt aactccgctg aggtgctccg gaggagaggg ggcttcggga 120
gtgaggcgcc ggcggcagcg ctgcctccta ggggaggagg ggnctctgga gccgggtcgc 180
ggagatgccc cgggagtagc cggtcgcctc ctcccnggc ggngtctgtc aggttccgat 240
cccggccggg agcgggcctg cgagtccccg ga 272

```

```

<210> 2218
<211> 509
<212> DNA
<213> Mus musculus

```

```

<400> 2218
agatactttc cacttttaggc tcacagggtt gagttgcaaa agccacagct ctttgttctg 60
tgtgcacttt cttggagaac cccattgtgc accctgagtt ctgcctgtgc ttcggctgat 120

```

```

cccatattgg accggataga gctcagctct tgcctttgtt gctgctaaca ctggaggtgg 180
gcgttcctag ctgcagtgtg ctgctatgcc tctctgccta ggaaccaaatt 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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```

<400> 2219
gagagcactc actgtacgtt ggaaatttgt aggttggtgt gtattgagtg gggcagaaat 60
ggcagccctg ggaagtatgg ggagatcaat gccagacgaa gcaggggtgg tcacagagtg 120
gagatgagag gggacagtga cataaatgtt aagtatcttg tgctcagtga cagtgtgttt 180
gctgcacctg acagtcagaa gcgaaactga gggacccttg tgtgccttgt tgaagagact 240
tagatgggtct ctaaccttgt catgaccaga cttctacttt aataaatgtg ttgttatggc 300
ctgtgcagag taaaagacca aagtaggctt gaagtcggct atagtagaaa tgtatatgct 360
acagaaacct gcagacacta ccaaatacag cttaatggac tctttgtgaa gaattaactt 420
tcatctaact tcaagagtgg atagtgaaaa ccaaataatca aatctatngg atttttcccc 480
ataacatcac ata 493

```

```

<210> 2220
<211> 323
<212> DNA
<213> Mus musculus

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<400> 2220
tgggcacctg taccagctca ccaagggctc tgccacatc ttctggaggc agaattgtgg 60
agttcggtgc gtgcttcctt gggctgagtt ccagtcctc ctgtgtgcct gccaccctgt 120

```

ggaaccaggc cccaccatgc aggccttgcg gtccaccttg gacctcacct gtaacggcca 180
 cgtgtctgtc tttgagtttg acgtcttcac caggctcttt cagccgtggc ccactttact 240
 gaggaattgg caactcctgg ctgtcaacca tcctggctac atggccttcc tcacctacga 300
 tgagggtcaa acacgcctgc agg 323

<210> 2221
 <211> 537
 <212> DNA
 <213> Mus musculus

<400> 2221
 gagaaccaac tgtaagcacc tctgacctcc agagcacagc tacagacata cacgcacaga 60
 tgtgttcata ttttttttaa tttttaattt ttttattttt tattttattt ttttgtgtat 120
 gtggggcacac tgtcaccatc ttcagacaca ccagaagagg gcatcagatc ctactacag 180
 atggttgtga gccaccatgt agttgctggg aattgaactc aggcctctg gaagagcagt 240
 cagtgtcttt aacctctgag ccatctatct ctccagcccg tgttcatgtt tatacacaga 300
 aacacacaat aaatgtacaa aacattttta aataatttct tcctgtgtta tgcctgtctc 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

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

<400> 2222
 ctgtggctct gtgctggtgc gtctcatccc tgccccaga ggcactggca ttgtctctgc 60
 tcctgtgccc aagaagctcc tgatgatggc cggnatagat gactgctaca cttcagccag 120
 agg 123

<210> 2223
 <211> 548
 <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> (131)..(131)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (193)..(194)
 <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> (268)..(269)
 <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> (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
 gtggctctgt gctggtgcgt ctcatccctg cccccagagg cactggcatt gtctctgctc 60
 ctgtgcccaa gaagctcctg atgatggccg gnatagatga ctgctacact tcagccagag 120
 gctgcactgc naccctgggc aactttgcta aggccacctt tgatgccatc tccaagactt 180
 acagctacct ganncccgan ctctggaaag agactgtctt caccaagtct ccttatcagg 240
 aattcacgga tcattctgtg aaaaccnna cnagagtctc tgttcagagg agccaggntc 300

```

cagctgtggc taccacataa gggttttntat 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

```

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<210> 2224
<211> 250
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

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<400> 2224
cctgatgaaa tggctcttctt cccgtgttgc ccagtctggc ctagaacttt gaatcctatg 60
cctccactgt tcagtgtctg aattgcntgg tgtgtgtacc actgcagcag gcatcttcat 120
cttatcagca gccctcttgc ctcagctcag cttctcaaaa gtgcctgcc aagcttcatg 180
actatagatg gacactgtag gctcaatctt gtgccctagt cttttaaatg gcctcagttt 240
attaatatag 250

```

```

<210> 2225
<211> 291
<212> DNA
<213> Mus musculus

```

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<400> 2225
atcacaccct gtctgggatg gctgctgtca ccttgaccac cactgctcat gtccccagtg 60
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

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<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 gagagggctct gaccgactgt    240
gggatcaatg actcttaagt tccatcccg tctgcgactg actggcacc 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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agccagcttg ggttctctgt ctaagctccc accttttgca gatagtagag agctctgcaa    60
tgggcccagg cagtgtggca gcaccctgt aaacctggag tcctagacac agcagggctcc    120
agctataggc actctgggag agctagttag acgctcctag gtccctctca acacagtccc    180
ctcacttcct agctccaggg aagcctgac ctgggacca 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 tcccttttct gtctccacag    540
tttgttgctt cag                                     553

```

<210> 2228

<211> 374

<212> DNA

<213> Mus musculus

<400> 2228

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tagagaaacc attacgtccc agacactttg ttgtttcac ttctcttggt ttcttctggt    60
atggaaataa tgaacttttc tgtcatatct cctcccccaa gaatcaatca aaatatttcc    120
tagtctatgc tgacaagata gctcaccaga gaagcacttg ccacagattc ctgatgttag    180

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acacctgaga cctaaaagag gacagaagca attccaggaa ctgtgttcta cactctgcac 240
acgtgccatg gcacacgtgt gtccatactc aaacatgtca cacacttgta gataaaaagag 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
gactactcca gtacgtatgg ccttgtagcc tgtgcccctg ctgctgtgtg tgtggagcat 60
ttgaatctgt aagagaacag agggataaga agggaagacc catgtttgcac ctctcaggcc 120
tgagcagtcc tttggctttc aaacggatcc caccagttg 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 aacttggaat tacgatggtt cttttgagat ttgcatgctt catcggtgaa 540

<210> 2231
<211> 407
<212> DNA
<213> Mus musculus

<400> 2231

tgcgtcggca atctctacag ttagacgtcc agatttagcc agaagtctaa aaagggtcgg	60
gggaaagggtt gagagcagct ttttcatatt atatacacag gacttctacg gcgacagcgt	120
ttccgaatgg ccgcctgcgg ttgtcgcgtc tcgggttctc tcgggtggag ggaagacccg	180
cggcccaaga atcgatcggt cctctcgccg tgattcgggg ccccgctcac cttcgtccag	240
gcccacagag gcctcgggtt atccagggtc gcgtgctcgg ccacgggtgg gcctcccgtc	300
ccgagccggc gatggcagag tgttcttgct cagacccgcc gccttaggcc gcagaagccc	360
cgaaggccca gccttggcct tcagggtgat gccattcttc ccgtcat	407

<210> 2232
 <211> 424
 <212> DNA
 <213> Mus musculus

<400> 2232	
aatatatcca actcaggctg ctttctgtga cttgctgcca tccaaacgtg tgcaacatct	60
catcttcctt aagacaaaac aattcttcaa acgatactgc aagtacatca ctaaacacca	120
tgagctctat ctgaagggat ttcttttagga agaacagatt ttccccatc tcttggtaat	180
ttaaatttct tgcttgcctt tatatattct ttgttaaatt ttttttattt gtttcaaaat	240
cacaaatcaa tgtgagccat ctatcacata acaaccagga tgatcagacg cccactggt	300
gattacgaaa atgaaaccag cagtgttccc tctactgactc aattcctctc atacaaagat	360
ctcaaaagta tttttctaca tcataaatct ttctaaattt tccaaccgtt gcaaatttcc	420
tggt	424

<210> 2233
 <211> 315
 <212> DNA
 <213> Mus musculus

<400> 2233	
gctgggttct cctgtagctc ttacagtctt ttcacggcaa ataagtgctt cccatgtggg	60
agtggaggat gccccagat gggtcattac gctgacagat atcctgggaa aacaagcaga	120
ctctaccaga cattttacct caacaccggt gataagagca acttcgcacg ttggcgggtac	180
cagggtgactg tcaccctgtc tggacagaag gtcactgggc acattctagt ttctttgttt	240
ggaaatggag gaaactctaa acagtatgaa gttttcaagg gctctctgca gccagggtact	300
tctcacgtca atgaa	315

<210> 2234
 <211> 262
 <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> (120)..(120)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (235)..(235)
 <223> n is a, c, g, or t

<400> 2234
 taccctgggg acatcaccaa caacatgatn tgtgttggct tcctggaggg aggcaaagat 60
 tcctgccagg gtgactctgg tggccctgtg gtctgcaatg gagagctgca gggcattgtg 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
 tggtagcagc atcctcatcc caagatgcct taatccactt ctctggagaa cagacttcca 60
 tgggaatgat agcaggggtcc tctcgtccgg cagctggcct tctgcccggg ttacacattc 120
 atcacgtttg ccttgcttct cagtgagttt taataacagc ttcagattct tcagcacca 179

<210> 2236
 <211> 551
 <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> (318)..(318)
 <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> (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

<220>
 <221> misc_feature
 <222> (371)..(371)
 <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> (443)..(444)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (446)..(447)
 <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> (486)..(486)
 <223> n is a, c, g, or t

<400> 2236
 aatatcctcg tcattctgtgt gcccaaccatc cgcgatatct ttggggtttat tgggtccact 60
 tcagccccta gcctcatctt catccttccc agtgtcttct acctccgtat tgtacctact 120
 gaggtggaac ctttggttttc ctggcccaag atccaggccc tgtgctttgg tgtcctggga 180

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gtcctcttca tggccatcag cctgggcttc atgtttgcc aactgggccac aggccagagc 240
cgtatgtctg gccactgagc tggcctgggt tgcctcactc agcccctatg ctcacgcgtg 300
tatacgaggg aatccnantic actttcctga ntccttcctg cctgggacat ggaggtgtnt 360
ggctctnctaa naacattgct gtgggaaatg gggacagttg aggaggcata gtaagtagtt 420
tatnccccctt ccccttagag ttncnntca ctaccaacct catgagagga ggtatgggag 480
gccagntcct tagaagagtt cttagccac atagttctca cttcctagat gaagctgtta 540
gggttacct g 551

```

```

<210> 2237
<211> 515
<212> DNA
<213> Mus musculus

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```

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

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<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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

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<400> 2237
gaagcttctg tgttggtgtg gatcctaata ggaactggga cgcaaatttc ggaggacctg 60
gagccagtag caacccttgc tctgattcat accatggacc cagtcccaat tctgaagttg 120
aagtgaaatc catagtggac ttcatcaaga gccacgggaa agtcaaagcg ttcattaccc 180
ttcacagcta ttcccaactg ctcatgttcc cctatggcta taaatgtgcc aagccagatg 240
actttaatga gctggatgaa gtggcccaaa gggctgcca 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

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```

<210> 2238
<211> 270
<212> DNA
<213> Mus musculus

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

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```

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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

```

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<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature

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<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> (228)..(228)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (230)..(233)
 <223> n is a, c, g, or t

<400> 2238
 acgacgccgg cgagtttgtg gacctntacg tnccgcggaa atgntccgca agcaaccgca 60
 tcattgntgc caaggaccac gcntccatcc agatgaangt ggccgaggtt gataggacca 120
 caggccgggtt taatggccag tttaaaacct atggcatntg cggggccatt cgcaggatgg 180
 gcgantcaga tgattntatt ntccgattgg ctaaggctga tggaattntn nnncaaagaa 240
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 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
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 gacattgata ctgctgccaa attcattggt gcagggtgctg caacagtagg agttgctggt 180
 tctggtgctg gtattggaac agtctttggc agtcttatca ttggttatgc cagaaaccct 240
 tcaactgaagc agcagctgtt ctcatatgct atcctgggat ttgccttgtc tgaagctatg 300
 ggtctctttt gtttgatggt tgcgttcttg atcttgtttg ccatgtaaca gaaattactg 360
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 gaccaggcaa gaaggctgca ggccagaagg ntcctgctca gaaggctgca ggccagaagg 180
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 ctgactggac ggcgaggctc ttccttcctc cccatctcct tgtcataaca taagatgtat 180
 tctgtacata atttaciaat aaaacatttt attttaattg ttacttatta tttagacatt 240
 tctcaacact gaaatttgta aaacaaaaac catgtaaggt atgttttttag aaagtttcag 300
 taaccacag aacatctgat ctttctacag cagcttcagt tgtgtgcaa cattccatgt 360
 attttaatat gagtaaaagt tatccttatt aagtaagaac agacttaaag tagtagctgt 420
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 ttgactattt tattgcttca aaagcagtgg agtgccnttt ggattcaaag tgggccaagg 180
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 atttcaaag atgttcaaag gggaggtatt tttttttaa cagatgatct catttgctga 180
 atgatttaag agtaaaatct anccnctgcg tggctttgtg tatagtaaca acagggttta 240
 ttgcactatc tatggttgaa atacctgtgc aaagaaatgc agggcacagg ggaggtaaaa 300

attcaagatg ttgtatcgt taaattatta ctcttaagtt tatatttggt ttaaattggga 360
cacatcttac ttaatccatc tcaatttagt gttttaataa aaaaagaact aaaattatatt 420
caacttgggc ttacatgtgt caatatgggc aatatgaata tgggcaatat ttttatgccc 480
gtgtatttttc acattt 496

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 taatatgcac ngaggatattt agccaactgg caccttttga agtgcgctctg ttgctgctta 180
 gtgtctgggg ttttcttcgg gagcatgggc ccttgcccca gaagttcatc ttccagtctg 240
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 tagatacatt tccaagttgt catcttnagg aaaaataaac tttttttcaa tcatatttat 180
 ggctaattgcc gatttgactg ctgctattta gagtcataat ggctacgtca ctggattttg 240
 ttctgagaca gcctacagtg tcccagcgca ctgcactttt tgtttgaatt ggaaactcat 300
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 agatgtatgc caagggttggg cttttcaccc atctgccaac tttctcttgc ttcttgctac 120
 cattcaggcc tgttcccttg gaaaaggatg gtcctcttgt ctttaaaactt tgtaataaag 180
 ttaacttcca gtcaggatca gacccgtttc cttcttcata ggcctagaag tagacaggag 240
 cctctagtgt gcaaatacgc tgggtggctta gctgccaggg tgggtggctc tgcttccttg 300

gtgtctgaga accttcctta cctttcctac agacnttntg cagaggtatc tgacaatatg 360

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tggagacggg tgagtggaaa aaccagagag ggctgctggg tttggacgtc agcactgctg 300

tganancagg aggaantngg tgggnnnncn nntcctnta cgaaacaagc ancaganaat 360

tgntcatggt tgagctncac atctttnnnc natgggaatn tntggcacnc cccantnttg 420

gaagctgagg actgcacctn ttcactcaag cncnaaactn tctntccctg gttagaaact 480

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tattagtgca cttggagctt ttatttattt ctttgagata gtatctgcct atttagacca      180
ggctgaccac agaatagaag gcactcctcc agccttagcc tccgtgcctg gaggagctgc      240
cataccacagc accttaattt atgtcattta ttctagggaa acccaaaact ttcttgacag      300
agtagaggag ccagatgaac taaggcancn nnaatacatg gaacttgatt tctctgtatg      360
ttgggaggac tccaancagt gagctcttca tggctagacc ccanccccaa aaccttggn      420
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 aatgaaaccc accttccttt ntgtcagggg tgctgtgtgt gtatgggggt ggtggtggtg 180
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cctcccaatt cccanccctt cattntnttc cctttcccca cctnccnaac aggtngcctt 180

gncctncctt ccccaaaacc tcgctccaca tgctagagcg tggctgctgg gaccagnccc 240

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 ctgaagcctg aagttggggg aggggttaaaa catgctttct gagatctata aattgacaat 180
 caagggtatt ggaattcctt aaacatgttc tcttcacagg gctcttcagc cacttgtgtc 240
 ttaccaggac accatttccc tattctagga gagggagcag tgtcctgagc agagtattac 300
 cacagggggg tgtgctgaga tggttgatat aacttggtct gaagctacca acatagttcc 360
 ctactttcct tgatcagtaa ttaaataatt tgattggttt cagaatagta actgaacctg 420
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 gtgnctgggg ttataggttt gcacatgac acccga 216

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 caagagccga tggcagccgc cggacgacac gctatgacat cgacatgacc aagtgtatct 120
 actgtggttt ctgccaggaa gcctgccctg ttgatgccat tgtggaggtg agcgggctgg 180
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 ggttctttca gccctaagcc agcatctgag gtgtgctgtg ctcttgggat ccattaattt 180
 caccttttctg gctggcttct ctcatccttc tgccattagc cagaggggag ggttgtgaac 240
 tggagccggt gactgtcctc tcaccatgga ctgaagcaca gtggtgactn taggaagctg 300
 gccacctcga agctgtacat cctctcanc cttggagccng ggactcgagg ntcccagaac 360
 tgcagctgaa ccatctggaa aagctggatt ntctattntc ctnccttatg tatgaacacc 420
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 ttgtcatctc tggagaagat ggttctattc tcattctctc tgataaaatc accagctgct 180
 ttatTTTTTct atttattaca cagttgataa ggtctggatc ttgaccgaac tgctcagctg 240
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 ggtattcttt ttcattaatg tgaacattga ctaaacaaag cagtcctgcc ttttaaattct 360
 tgtggcagct cagaagggag gtgcttaaga accttaacta ttatgtcaga tgacaaatac 420
 tttttttcca ttttggagat tgggtactgc tcacacatga tgtatagggc taaatatatg 480
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acctttttct acaagtgaag antntgatatt agaaacggaa acggtcgagc ttggtggagg 180

gttttatgtg aantcatttt taaagtattc agaaaattct ntcccagcca ntcaaagggtt 240

cctgacctat ctgaagtcac ggactgggtg gcctggcccg caagcgtgaa cagctgctga 300

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<210> 2265
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 <212> DNA
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 cagatcagtg tggatctgag tttatttctg ctcttcctc tggcctaact ccatctcaaa 180
 acacaagact cttgcacagg catcataccc taagactgtg accccagggg cccagccac 240
 ttgctctatc ctgacatctg gagttggatc aggctgtctg gagactgaag catccttctt 300
 cctttgccta gaaaacagaa aggtaggggc gccagggctc agcgcatgtg agtggagggg 360
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cagacagata ttcctgtgga ccagagccat gccatacccc aggggtatca aaattgtctt      180
tgtggggcct tgcccntgcc aaaaactaag ccagcctcac ctcttgtgtc agcggacttc      240
cttccccctt cctgatctg ggtacacccc ccnggcctcc ctcttgtgtc accgattctg      300
ctcacacaga attgtaaatg tttagtgtg accatgacat attgtttggg ccagtgttcc      360
tttccaatgc atactaatat attatggtta ttatatatga atatatttaa tgacatggag      420
aaagtgtggt attttctttc tttttctttc tttttttttt taaagttttt ttgttgtag      480
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 caaaggatcg gttatgatgt gcaataccta aaatcatggt 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

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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> 2268

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gtgtgaaccc aataaagact gtttgccctca tgcctgcctg gcctgccctt cctccgccgc     180
caactagggg agtgggggncc aaagggttcct taggcactgc tcctgtgggt agaggggaca     240
ttagagagct gacagcgcac cacctgcatg agnttttnat taaagtgcaa accatgggat     300
gaatcagttg agcttcagtg ttgaaaatga gtagcagggc tgccccaccc acctgaccaa     360
gtaccctatt ctgcagctat gaaaatgaga tctgcacatg agctgggggt cacaagtgca     420
cacttgagagc actnccttgc tccttcccag cagaccacaa agcagtattt ttctggagga     480
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cagcagtcac tgtgcccact gagatcaagg tcagagcttt ctacaccag acaactaact     180
gcctgcctag tgatcacatt gcatgtgctc aagttccaga gtgttgtaaa tgataaccgg     240
cccatagcc tagctgtaat cgcaatcctg ggatctgttg tgttacagtc atctggcaaa     300
tatctgctcc tgatatttag gaatactnca aagggttttag aattgggtgc cagattctgt     360
taattatcnc actccttacc agtaacaatt tttttgtatt gaagtttcag gaaatgttaa     420
tttggtgaga atgcttcaaa tggaagtgcac ttggtttctt aatttataag tgaaaggtta     480
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 tcctgggcct gaagattgag gatttccttg agaggcggct gcagaccag gtctttaagc 180
 tgggcctggc caaatctatt caccatgcc gtgtgctcat ccgccaacgt cacattaggg 240
 tccgaagca ggtggtgaac atcccatcct tcattgttcg cctggactct cagaagcaca 300
 tcgacttctc cctccgttct ccttatggcg gcgnccgtcc aggccgagtg aagaggaaga 360
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 taccatgggt cacctcctag agcagattgc taacacaggt cacactcagc tacctagtct 240
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 acccacagag tgacagcccc ccgggatgcc tcaggccacc acctaatgct cctngtcagg 360
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tgggatccat gttanactaa aatggcccat gctcagtacn cctcttgttt tggattatgt	180
ggaggatcag ccnaannaca agataatcaa ttttgaaact tgccaactca gatgttagcc	240
cctgtatttt gtgtatgaaa tgctgtgctg tgtctcttcg accctgccta ggtgccacca	300
tgtgtaagga gggacaactg tgctggctctt cctcagcact gcttctcagc agtttgcagc	360
ctgaagttcc tgcaggagcc cttagtantc accaaaaggc tcagaccaga tacacgctgt	420
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agccgacaag ccctccatag gtgcacaccg cacacatagg cttctctcag tgcagactcc	180
agggtggtggt caacagctgc ggcattgctta tctatttgta cgaaatagtg tagggaagcc	240
ccaggaggtg ttatagcttc cntataccat gtggcctttg atgnttcttg attntcaaca	300
gcacaaaaga gtcctcgagc cggaacatgc gctactccgn ttttaaacgt ggctgggctg	360
tgagaccctg tcttggctct gggttttacga agccatcaat acatacacac ccttgatgga	420

gctgcagatc cgttcctttt cctgcagccc acttgtgggg gaaaagtgcc ttactgactt 480
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 tggcctgtat cccagagcaa gattccttgc tgccctgggga ctatccctgc tatgtcactg 180
 gctgggggtcg cctctggacc aacgggtcca ttgctgaagt gctccagcag ggtctgcagc 240
 ccatagtga cccacaccag tgctccaggt tggactggtg gttcatcaag gtccgggaga 300
 cgatggtgtg cgctggtggt gacgggtgtca tctctgcctg taacggagac tctggtggcc 360
 cactgaactg cccagtggaa gacggcttgt ggcaggtgca tggcatcgtg agctttggtt 420
 ccagtagagg ctgcaacaca tacaagaagc ccgtggtctt caccctgtgt tctgcctata 480
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 gttccattgc tctggtgtct ccggctgtca ctgaagacac cgttccacac agaggaaagg 180
 cgtggtgccg ccctcagtaa gcagggaac ctctccttcc cttgctgcag agcttgagtc 240
 ccacatcctg ccatggactg tttaatctgc actcactgcc cctcctttct cccgggacag 300
 gtttcctttt cctccagtta ccgtcaccct ctcaggaacc attgcttttt gtccatttct 360
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ncaagggngng catggtccaa cgttctcaga ggcatgggtg gcgcctttgt gcttgtntn 240
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nggcatngtt gtataantan tannccatnn tcttgaacna ttctggacag atttntnng 360
ggcttgtctg ttttatcagt ggcaactatt taccagttga aaagtgggaa gcaataatat 420
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 tccctttgca ggtgcttctg ctttgacact tgactgacgg ggagggcagg ccagagcagt 180
 gtgctggcca tgcctcaggc cgttgaccat agctagacag aaaagaacag cagccgtcca 240
 ggccgcagcg ttctccctct gggcgggctg catggaatga gcctccactc agagtnttng 300
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 ggagaaaaat ccccacctgc tcctctgggtt acttgggtag gcatggactt gggccagttc 180
 tgcccaggcc tcctgcctcc acagtagaat tcaaaggcta catgtatggt gagattgtac 240
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 catggcacag tggctctgga gccattgct ttgactctga ccatgggcac tntccnagcc 420
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cccctggttt gtttgttgac tg 502

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 cagagccatg catggcagca aggtcaccag aagctgagtg cccgaccgag tggcgcactc 180
 ttcccagcca ccctatctgc cgctgcccc tgtcctgctg gcaccgggtc tatgggcttc 240
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 gatcctggac ccctcagacc tgacaccag caagaagggc ttacacggga gctcccga 360
 taggggctgc cagcacctgg ggttccctca ctctgaccc cccacttcct ccaagctgtg 420
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 caaggcaggc cagaatcagc caggaactcc tgcaaagtcg agagcattct gcctacctgc 240
 aagaagaaca ctgcatactg ggcattgcagg taccaccacc tgtcagcagt ttctccaggc 300
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 aatgattcat tcatggtcac ctgatcagtg gcttcagtca cacataattg aagtctctaa 420
 ccctagtcct acccttggca caggcctcca gtgagcctgt tctgtttcag aagaaagggg 480

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 tngnntacaa gancntnnng cagnantgna tntntgannn acnngncggg nntgggtttt 180
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 <213> Mus musculus

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 ccttcctca g 131

<210> 2287
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 <213> Mus musculus

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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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 <213> Mus musculus

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 gcacgtgtgt gtcaattgaa ctagcctagt tcattatcac ctctactttc tgggcagttg 120
 ccaggatgca ggagatgaag aaagctacaa agcactgctc tctttgagat tctaggtttt 180
 cttttcttct catcatggta atgaggggca gtgaagccag aggttttaaat gagcatagac 240
 ccatggtgga tgggggtatgt agcttagatg gaagactgct tgcttagagt gcccgaagcc 300
 atggcttcct tcaccacata aactaggacg gtggagtgtg cttagaatcc tagcatttgg 360
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 gaactttgca aatggcatct ctgtactttt atcactagct ccatagtctt ttatTTTTgt 180
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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

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338

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 aaaaagcaat gaaaagacaa tgggtgatta ttttaattctc tcagtgaact gtactcttct 120
 caaaggaaaa tatgtccttg ggttaaaaaa aanccacaaa tttaatgtac aatcatgtga 180
 cctagagcaa catgggccat cacaactgat tcactccata ctataagttt aagtgggtna 240
 gggtgccaac tacttaatga ctttcaaadc tctggcttct actgctgtct taacaaccat 300
 gggtttatag actgaatgat gacacagagt gtggatgtgg gcgagtctgg atgttttcat 360
 attcagaaag tgtatntccc taacaaccat gggtttatag actgaatgat gacacagagt 420
 gtggatgtgg gcgagtctgg atgttttcat attcagaaag tgtatntccc agccacactt 480
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 gtggccttaga ttggcataat ccagcgcttg taatgggaac tgctaagaca taggaagctc 180
 tggggctggg tccaatccag tcgggggngg nnnnnnngga ggctgcttgg aagggctagt 240
 cctgagtgtt taccaatgta ctgtgacatc cctggcttct gtttcctgtc tctggaaagt 300
 cagcataatg gagaacagca gagaaagcag cagtagcggc tctggccccg cctctcactg 360
 tcgcatgcag cagagacatg ctgcatgac tcaggggcct tgtacactgc actgggtaag 420
 ccaataccat gtcttgggaa ggctgacaca aattccaaca gaagccacac tcacttggca 480
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 actctggagg nnnnnnnncna ctnnnnnnnn cgcgnnnnna atggnnnctg gcagnnnnnn 180

nnnnnnnnnn	cnagctttgt	gtcctccttg	ggnntgcaac	accctgagga	agcccacagt	240
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tattgccttt	tgagccttaa	gtgtgcttat	agattggaga	aaccgtgatg	ggaacaggac	180
ctagttttgc	ctgttttggt	tacggcctca	caggcatata	gcgtgtagaa	gattcaaagt	240
gacttccttc	atttc					255

<210> 2297
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cctggggctg	agaacatagc	agaacagacc	aggacatgcc	cgggcaagcc	catcgctctc	120
ctagctccca	cccctctgac	ctaagttaaa	tgttacaggc	tgctgatgtt	taaa	174

<210> 2298
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cattctgtca	cccacatctc	tttacttttc	tcttaagagc	ttgatgtaca	gaaaactgaa	180
aatatgtaat	gctcagtgat	cttattat	ttt	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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436

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<210> 2300
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tgtgtgtcct gagaacaagt gattaagggt gactgtcca ntccctggca ctcccctgag 120

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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 ggtntcctct gctcaagatc agcatttttg tttgtttgtg tgtttttttt ttttgagaca 180
 tgttttcgat acatagatct ggctatcctg gaactcacta tgtagaccag gctgncctca 240
 aactcacaaa gttatnccag cttctncctc tcaagtgtcg gagttaaagg cgtngtatac 300
 aaacacgctt ggcnaacatt ttttttaatt ggaaaaaata acaattttta agtgaagtat 360
 gcagtnctcat ttattgatag tgcacagctc tcagttttat gaaattattc caggaataac 420
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ttacanccag attgatcagg gcaacttgga a 511

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 gctgaatttt tgctgcacat gcttaaaaat gctgagagta acgctgaact taagggttta 120
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<210> 2304
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 agatttcagt cgacttngtt acatcctcg tgtccttgca acacaaaacg cgcacgtatt 180
 cgctctgaag aagcaacgca acttaagaaa gaacaaggan nggaggctgc agaatacgct 240
 aaacttttgg ccaagagaat gaaggaagcc aaagaaaagc gcccacaacg gaacagattg 300
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 nnnnnntntn nnnnnnttat gggcncnnnn tcctagacat ntgcanttct ntntccnncc 120
 ntggggacac atnnntacct tcaaantant tngaantctg agcatcacgc tggagggatg 180
 aatttcagga tgttcctaca agtgggagga agatntacaa tcatgcttga cctttttata 240
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<210> 2306
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 <223> n is a, c, g, or t

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 gagccacca caacctcatt agaaagcgct gtacactgag cctgncgcca gttactggcc 120
 aggccagttc tctgactcc ttccgtgcat tctgcatcc 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 tgggtgggatg tggagcctca 180
 cttggacacc tcagacagga agtccaccag ggccaacaag cctaaggagg gcacaaaggg 240
 ccactttagt tccctggggg actgggttac ctgggggtcag tgtgtaatga gttttgtctg 300
 gcaagatttg ctgattctgt tcaaacgcac catt 334

<210> 2308
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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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 caagnttgag aatgacattc ctaggcactc ttgtcaagac aggatgaata gtggggagag 120
 agagagcaca tatcttatgc ccctcaacgt gagccatctt gatgctcctc acaca 175

<210> 2309
 <211> 470
 <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

<400> 2309
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aatcatatag tatgtgggct tccatgatca gcttctctca ttttaaccatg ttttcaaggt    120
tcctctgtgt tatcgcatgt atcaggacgt cattctgtct ttgtggttga ataattggaga    180
tgatgaggat gctatgtttt gtttatctat ttattcagtt ggcagatggt tgggttgctc    240
ctgctttggg gctattatga acgataattt tatgaacagt catacacaaa tttttctgtg    300
tgaacatatg ttttggntcc tcttgggnatt nccagatcat atggcaactc tatntttaac    360
tttctgaggg acttccaaga tcacagcttt tataatcttat gaaattcaaa gtgaaaaatg    420
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<210> 2310
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<213> Mus musculus

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

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cctgggatta gaccaggaa caggaagaga agaatgaaga aactgggagc agttaggaag    120
tgaataaccc acttctcat accagctcac aatgacaggc cctgttccca gcactccctc    180
tgcaaagggc ttttcattaa ttctataatt gcatgtatgt gtcacttgta cgtgtggtgt    240
attctcacct taggtgtgca gcacagaagt gcaatgctaa actttcaaaa gaaacgacta    300
agctccacct ctactgcct ttgcctntgc ttgccctcca catcctagaa gctgtgantic    360
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<210> 2311
<211> 357
<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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<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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 tgggtgctgtn agattgtggc agagaaggct tcctcggtga ggcacggtgg ctcttctcta 120
 ctgggggtntg agtgaggtag ncagcaggct caggtgcccc tgggtgggggc 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 tttgctgac tttggggaga gtactcttgt 120
tttcgttagg tatggactag aaatttcagc ttaatttcta ttgtatgggt caaggtaaaa 180
cactttaaac aagttaaaaa atcaaaatgc ttcctctgtt gtagtcttta gacgtctttg 240
tgtcagagca tggagaattg ttacactag ccaatggagt agtgactctt aaaaaatgat 300
ttcctatgct gctgtaagta gaagcacaaa gcttttgggt aatgtggggg ttactatgga 360
gtgtatgtat gttggcctat gcaggattga actaagcagg aactgagtcc agatggaaga 420
atagtacata tgtgaatgtt ctcaaaatta atgtgttaaa taggggtgctt tttcttttcc 480
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atttcaacga atactacca g 561

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<210> 2313
<211> 136
<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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actttcacct agggcagctg ttgcatgcca atttttnttt tntgtgtgtg tgtgtgaaaa 120
cacttcagaa ttgaat 136

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<210> 2314
<211> 303
<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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 atttttcaac cttcgatgat atccttgcag cagtttgttg gtaaggtgac tttcacctag 180
 ggcagctggt gcatgccaat tttnttttn tgtgtgtgtg tgtgaaaaca cttcagaatt 240
 gaattaaaag atgtaaattt aaaattgggt gtgtatctaa tatgccagg ttcagtaaatt 300
 aaa 303

<210> 2315
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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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 cgnttnnncc accttattta nctaancaga tcntntantt cattnggatn nngaagnnnn 120
 nnnnngnnnt ngngnnnann nnncagttaa anataccttc attttttgga cttgcatatt 180
 tagntgtttg gaacagagtt gtttcctttn tgaatttcaa agataagact gctgcagtcc 240
 catcgcaata tccagtggg 259

<210> 2316
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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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 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 ctaccagta aagggttag gattttgcac tgcattggtat 120
 ctgcactcag cagttctttc ctgttgggtg ttcaaaagac agtgctatag aaactcacta 180
 tctggcatcg ttggtttctt ggctttgtgc atgttaaacc tggattttct aatgatacag 240
 tttttcatat gtacataaat ttttgtatgt aggtgtgtcg gggagggcag aacaacttgc 300
 aagtttgatc tcaatgtggg ggtcttaaac tacctgggtct taaagctttc tcttcttcct 360
 aggggtgacac 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>
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 <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 ctncctatgt gataatgtca gtgtgctttc 240
 cgtatcagat caaagaggta acctaagacc tccatgacaa gttctgttct tgagagatta 300
 tttttcctag tatactaatt gggtttctaag aggaacttaa tgattctgct atgaccacat 360
 acctctgatg tattgtgccc agaaaaaaaa aatggtgggt tgggtttccc cctgancctt 420
 atagaatagc aactgatgtt atatatctga gagaggcaac cgtatcttct tcctgctaata 480
 tcattctcttg a 491

<210> 2319
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 2319
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 cccaagacca ggagggctgc aggtaaactg ctattctaaa ctcttgatta tcagagctgg 120
 tctttgcaac caacttcaact tcaggcagtc tctactgaccc tgccgcagga aaccagatct 180
 cagtgcaggt taaagacgca aacctgagcc agtgagacag ctacagcgga caaagcaatc 240
 gccacacaaa gacagaagga gagaaccaac tcgcaggagt tgtccccctt tctctgcatg 300
 cacgtgcatg tacaatgcat atcccctgtc atgtacatgc acacacaata ataagtaaata 360
 tcttagaaaa attaaatgat gtcataagag ttaatggcct aatcaatccc aaacaaaaat 420
 cctgggttag ctgactgaaa 440

<210> 2320
 <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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 <223> n is a, c, g, or t

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 gaagagaagg aagagagana tnaanttccc catctgcaga ttntgctgtc agtgctgtaa 120
 caaacntcc tgtggtatnt gttgtgaaga atagagagcc tagagccaca tcctgacctn 180
 tntacacccc tgcagcccnt caaccccagt attcattcct gccctctcca gcaatgacct 240
 tgaaat 246

<210> 2321
 <211> 497
 <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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 <222> (381)..(381)
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 <222> (419)..(419)
 <223> n is a, c, g, or t

<220>
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 <222> (421)..(421)
 <223> n is a, c, g, or t

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 gaccactagg gggcactcaa aagccccggc aggaaggggt gccacagggg ggatggggcc 120
 tgggggtcat ctgtgagtga gcnnnnagag ggagcacagt gtgctgccag ctctcatccc 180

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agcggttgctg ccncgactcc tgcagtttct tccggaactg gcttagcttt ccagcagggt      240
ctgggaactt tgagaaaagc atctagggaa acaggaaaac tggaactcag ctccctgcac      300
caggccccgg cctccttgct cgtgtccagt ggtgcccctc cgctcantng acanntgatg      360
gattcatnta ctcaccaca nccctgccct agagaatggc tagcctccac ctgctattnt      420
ntcagtttcc cctcccatcc tcaacacacc cctgcagatg cagttaagat ggaagccttt      480
agtgtgtcta tcaggga                                          497

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<210> 2322
<211> 238
<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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aagaaggcca caggaccagg caagaaggnt gcaggccaga aggttcctgc tcagaaggct      120
gcaggccaga aggcagcacc tcctgttaaa ggtcagaagg gtcagaagac cccagcccag      180
aaagcacctg ctccaaaggc ggctggcaag aaagcgtgag gctacacaga ataataaa      238

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<210> 2323
<211> 269
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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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agatnttcca tntccnagag nccactctnt ccnnccannn tctnttcagn cccactgaag 120

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aagtgtgcag aantcttggga antctntccc cncctgaag agcttcagaa atagtgggag      180
tttccctaaa ccctttcata cccttaattc atntcatgta taaattaaca taaatcatnt      240
ctattttacat agtgaagggtc cagaataaa                                       269

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<210> 2324
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<212> DNA
<213> Mus musculus

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 nggtttanan nntagattnt ntantntnn nannannnc naggtgaaca aggcacntaa 240
 gatgcncga cgaaccnaca gagnntcatg gccggnatta acccatacat gagntcccc 300
 tgccacattg agatgatcct cactgagaag gaacagatnn ttcnnnnnaa agccagaaga 360
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ctaccctcgc ccacctgacc ctgagaggac acgggcaccc agcagcacct ctctctgtt 180

accttcccct tggcgatcgc tcgggtttgt gttaagttaa tctgtatgtc ctgtctgcca 240

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 ggagcaaggc ttttttncaa gggcgcatgg tccaacgttc tcagaggcna tggntggcnc 180
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 acccaggggg cggtgcctaa tataaatgta aaggagccca cctagttgcc tggatgtgtg 180

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 ttgnttttcc aagggtcccgt acaacaagga atacaaaaac cttgacaccg ggaaattntg 180
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 ttattcagtt tccagaaaga ggggggaatg aaagaccccn ncatnaggct tagcnagcta 180
 nctgcagtaa cgccatcttg caaggcatgg naaaatacca gagctgatgt tctcag 236

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gttctcagag catactctgc agagcacaag agtttgctac ctacctgttt tcactagctt 180

aaatgaaagg gattccccgt tctagtgtgt tcctgctgat ggtccacatg aacaaggaac 240

catcagattc ctcagcccac attcacaata aagtctcact tggcctgatg aagcagttaa 300

aaagagcagt nttttttttt nccccagcgn aggtagnngg aagggtctnn ggaacntgaa 360

agctggncaa taagaantnt tnagggaant cctccttggg aggtgnccca tgctcctgta 420

gatgncccca catgctttca aacagtntca gcattgattg aactcagtgc actgttatga 480

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 tatcatgtgc ctcacacttc agcatttgta acatggtgca tagaaggggt gtcccagggt 180
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 acacccagca tgtttgcaac actgaggtca aaccaggggc ctggcacatg gtctgtctgct 300
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 tcagggngnn nnnnnggagg ccnactgan tntgtgatgg tgttttacca aggtatcanc 120
 atncatgggg ccctagccct tgcggtaaac ccaatgtgcc gggtatttac accagagttt 180
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 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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 <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 ctctgtctg tgtgaagcgg ggtcagggaa 240
gagaggcact gctgtgtgtc ctgtgtgacc tgtgtctctn atcanccttg aagtgaagaa 300
agtgaggtgg tcnttctgaa gggtcagttt ttnatntaca ganatagtga tgtttgctat 360
acancaagtg ataggtgtaa ctggtaacca nggctagcta ccagcattgg tntccttcct 420
ctgaactgga atcgggttatt caggaataag ttttcaaacc ttttctncct gaagaattca 480
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gggttt 546

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<211> 167
<212> DNA
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atatgcatac gtgcacgaat tcttatacat atggacctca gaagaca 167

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tatttacctt tgaatacttc tctcttttca tatatataaa gccatggaag aaataagctg 120
ttttcctttg gcagagatgc cacattttct taacaggctn ctgacctgcc aaccacttc 180
accagattga agtggagggtc agtggtgtta cctgaagaaa catctccatc catggcctta 240
gaagagtgct t 251

<210> 2347
<211> 107
<212> DNA
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 <223> n is a, c, g, or t

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<210> 2348
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 tttta 124

<210> 2349
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 nncntnnntn nntnnnnnnt nnannntntn ntgatttcct gnataatnnac agtacctttt 120
 tcattccccc ctcaagtgaga atgcacnatg tgcttgtgct tgatgactgt gtgtgtaaatt 180
 tctcatgcta agaattgctt taaactgagt attgatcaag ttcagagtga agtcaatgtc 240
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<210> 2350
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<210> 2351
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<210> 2352
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 <213> Mus musculus

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

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 taactcctta aaaccttta cattttcatt ggaaacagtg actgagacag actgacttga 120

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ctgtatccac tggggagatg accttggtgt gtctgtgaag ttacggg'gcgc acatcctaga 180
catctncagt ctgtccccgg cctggggaca cacggtacct tcaaagtagt tggaatctga 240
gcatcatgct ggagggatga atttcaggat gttcctacaa gttgaaggaa gatctacaat 300
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<210> 2353
<211> 293
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anannncnnn nnnnnnnnga ccannagatc ntacntnnnn nggcagcnga agnnnannnc 120

cnnntncnnng cntgnanccc ccccnantn ncccccccat cccccagtgt cggctgagat 180
 gttgcntttg cacggtntnt gtgtgcagtt cccaactttc tgcagaagat ggtccttgcc 240
 cttgtcctga agagtagtaa tggttnttga aaaagatttc aaataaagcc tgc 293

<210> 2354
 <211> 47
 <212> DNA
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<400> 2354
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<210> 2355
 <211> 207
 <212> DNA
 <213> Mus musculus

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 tccttgacga gtccaacctt acanccatgn agaagtgtgt tatatacacc tttattntnt 120
 gtatttggag aaataaccan tnttatctgt agaagcatca taccactgtg ttttatgtag 180
 tgcgattggt tgaaattcag tttagtt 207

<210> 2356
 <211> 62
 <212> DNA
 <213> Mus musculus

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 aa 62

<210> 2357
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 <212> DNA
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 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 gtagtttggt tgtttttttt ttttctaaaa tgcaccacct tctaagatga 420
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 gctcccacct ggggaagagc ggattcttag acaggattct ttgatcccca gggtttgctg 180
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<210> 2359
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<210> 2361
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 <213> Mus musculus

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 <222> (38)..(38)
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<210> 2362
 <211> 255
 <212> DNA

<213> Mus musculus

<400> 2362

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tgatcagaca aaaaagacaa gctacacatt cttctctttt agctaccctc accaacaatca      180
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<400> 2363

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tgtcagttat ttttttaact aggtttcttc actaaacatt tattaagtaa atctaagaaa      180
gaggcaaagc tatgattcat tgacttaatc aagttttgag ggtatcttta attttttaaa      240
attgcagttg agtagataga tatattggtg ctgctcctgt gtgtgtgtgt gtgtgtgtgt      300
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gaaatggtgt gcttatttta tgaccacaaa ttttttaaac ttttccaaat ttaggncttt      420
actatggggt tccactnaa agggatcaca ataaatgcaa aaatatatac atatataact      480

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515

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 tgcagttctc cctccggaat gtcctattga tacggtgttt ttatttttca gctgaccatc 180
 tgccctcttga gagaaagaag tgggcatcct acctttaaat tcaggaacca tttttttttt 240
 tnatttgact ctgttacctg catcccttac cgaagttggt tggggagggg gttctgctcg 300
 ttttgggggt ggggaattcc aactagccac tcctgcattt tgtatttggt attcaaactt 360
 ttggtatcaa aaatcatggc aatcctaagt tcacttcagg ggagaattct gtttaatatg 420
 ttctttctctt agatgcaatt ttaaagtncc cctttttggt actagagttt tgatctacaa 480
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 aaaggaaaaa gaatnccaaa atcagcnnnn ncctnctgg aggagcagtt ccagcagggc 120
 aagctttna nccnntgtat tgcctcacga ccaggccagt gtggcagagc agacggctat 180
 gtgctcgaag gcaaggagct ggagttctat ntgcggaaga tcaaagcccg gaaaggcaaa 240
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<210> 2366
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cancccccaca ggnntcttct gaagaaaccc nnnnnnnnaa ctgtgaccta tagggagagg 120
ggatcgcaga accagggcat ctgcctgaac taatacctag taaagaat 168

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tctgctttta cttttatctc cttggcgtca ccttcagtca cctccacttt atctnatattt 120

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ctctactttt gggttagctt gatcatttat aaaaggaatt tctttaagag tgctttgttc 180
tacaagtggc tgagcctgct catatacttg accagtgggtg cccaaaaggc tttggagtat 240
gtcatccaca ggaagaggct tatttgctaa ttccagagta gaaggttgat tgtcccagcc 300
aatcaggacc ccaggaagga accttaaggg ttttggtggc tcctgcttgg tgacttccat 360
cagaggttca gctgctgttg gcaggtcttc ctgaagaggc tgtgagggtt tatttctctg 420
cttgtgtaac acagttgtaa aggaattgaa aaagtcactc tcttcctctg ctgcttcctc 480
tgtgcatgac tccattttac ctttcttg 508

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taccaatgct gatcaataaa g 141

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 atgagctatg aatcantgga gcaagcagcc tacaccaaac gtgatggaac acccccagga 120
 ggggaagatg gcagcattgc cttttatatt acgt 154

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 catgt 125

<210> 2373
 <211> 56
 <212> DNA
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<400> 2373
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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
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 ttgttccctt tgcaggtgct tctgctttga cacttgactg acggggaggg caggccagag 180
 cagtgtnctg gccatgcctc agnccgttga ccanagctag acagaaaaga acagcancgc 240
 tccagnccgc agcgttctcc ctctgggcgg gctgcatgga atgancctcc actcagantc 300
 ttggaaaagc agaancgta cctcagggaa agcccctggt tgaagtgtct ntctctctg 360

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407

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nnnnngnnntn nnntttacc agnnaccccc cananaanca gatngatact nnccatattt 120

tnctttttng acanttccctn gggnatntac nagaacctcc cttccccctc cccgagtaag 180

acctaagacc atttaagtgt gtgttaaaca actacaaaaa 220

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<211> 226

<212> DNA

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 nttttatnan nnnnnnanng tnnttcnata tagnacacat catntatatt gtntttttgt 120
 tttgacacat ccattaaaga gtttgacctc ttnaaacccc caggatcatg aataaatgcn 180
 tcatgtatat ttatttttta ataaatcaag atttctgtgt gctttt 226

<210> 2378
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 nntactcagc tcttacttgt ttgtacttga atttntcac caaagacttc atatgtgtac 120
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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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<210> 2381
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cagcagattc cagagcttgc acaa 144

<210> 2382

<211> 89

<212> DNA

<213> Mus musculus

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<211> 266

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 attaactccc atgaacattn ctttggtgat gtaagcaagt aaaaccnat ggannnttgt 180
 tgtgatatcc ttttgtgttc cancctaggc taagtgtttg tgaaagccat ttgtgagtgc 240
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<210> 2384
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 <211> 157
 <212> DNA
 <213> Mus musculus

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 gccctgttag cagtgttgga gtcagattcc agtggaa 157

<210> 2386
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 ctcagaaact gagagtggcg ctttcaagtc taggagacca tccagctggt tgcccccaac 180
 agtaagtgtg ctggctctgg tgaagagggg gacacctcct gagactcctc ctgaggcgct 240
 tgtgagctca ccaggcagcg tgggtgcaggc tgacagggca gtccgggctc tctgtgacca 300
 cactgctgca ggacctgacc aattgagctt ccagcgtggg gaattgcttc gagtcattgc 360
 cacantggat gaagactggc ttncctgtgg gcgggatggt gtggagggac tgggtgccgt 420
 gggatacact tcccttgctc tgtagctcag ancctncctc ctttccttag gctcatgaat 480
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 cccatatcta tttct 555

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 cctcccagga accagtgttg tccagtgggc cttgtccagt gtacgcccag catttgcccc 120

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cgttcttccc caaggggata gctggaagaa gtcaggcagg atcccaacca cagggccagc   180
tggnnggggtg gcacttggca gatggaagga agaaacggaa gggagtgtgt gtatctgctc   240
ctcgggcagg cccagcccac ccgcagagac actgcctctt gggaatgggc aagtatggag   300
acggtgggggt gcggtgccat aggccttctt ggttttcgag tccagcttcc cctggatggc   360
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aggaa                                                                    425

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 tagntcccct gagagctaga taatatatnt ncantctgtg agtntattcn tcagaacttc 180
 cctaaaacac caagcgaaag tagctgttgt gcttgtaa t 221

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 <211> 62
 <212> DNA
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<400> 2389
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<400> 2390


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nntnctntnt gacaggtaga aggtgaggag ctgctttacc acagcnccac agagcagagg      180
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 nccnnnncca nagattannt gnganaggaa ntncanctg natgtgngtn gnnnnntngc 120
 ntgggntccc antgnttnna aagggaaaat ggagaaattg anctgtttcc tctactgggga 180
 tgtgatgaga tgcaccgntc gcctgntacg gcagccatag ctacttttgc tactgtncn 240
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<223> n is a, c, g, or t

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catgtttaga aantccttnt cttactattc aaaaaatggt tttaatcatg ctaataaacg 120

tttttgg 127

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

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atgtctgact cgcttactgc cagccaggat tcacactggt aggtaggcag agggcccaga 120

gaacncagtg tgggatccat ccatttccca ggaaatgtgg tctttctggg cacggtcagt 180

gcctgtgccc gtgaaagcag aggtcttggc accagcacag agttaccagt ttggacctgc 240

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<210> 2394

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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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 ggtaaagttt ccatgntggn agnnantcat gctttntntt ctccanccgn tnacctgctt 180
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 ncaagaggaa gnataaatgg antgccaagn ntaagagang aaacantacc gggactggtn 120
 ggatgaggca cntaaagatt ttttaccgca gattcagaca tggattccgt gaggggaacaa 180
 cgccgaa 187

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 atgatgancc agaagattna ncanntcnca nccccnnggg gnnnnnnnca gnccacgntn 180
 caaancntga gantncantg cagaaatgaa gcagagttag ggacntttnt tcaagggggc 240
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 tt 302

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 catgcatctt tgcattctta a 81

<210> 2401
 <211> 363
 <212> DNA
 <213> Mus musculus

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

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 ttcactcacc cctaactaaa gctttgaata aaccagtgat ttactacaa aaaacactgt 120
 ccttgaaaga aaggagcggc agtcatacat gaacgtgaaa cttggaatga tcaggtccta 180
 aacatggcac ttagaaagta gcttatcaga acaccacac ttcggtgggt cctnttctgt 240
 ccctccatta atttcccctc aaaaaaaaaa aaaagaaaga aaaagaaaaa gaaagaaaat 300
 ccttcaaaaa atccatttaa acttaagttt ataaaatttt agaaatgcct tgtacccaaa 360
 aca 363

<210> 2402

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

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

<220>
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 <222> (46)..(46)
 <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> (63)..(63)
 <223> n is a, c, g, or t

<220>
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 <222> (69)..(69)
 <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)..(100)
 <223> n is a, c, g, or t

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

<400> 2402
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 ntntgtttnt tcctcagttg acatttcctt catanttttn tagagactgt aaaacttgtc 120
 agattcaata taaantcaaa tttggttact ttttaataata cagatttttg tcaaatacaa 180

taaaggtcaa tg

192

<210> 2403
 <211> 436
 <212> DNA
 <213> Mus musculus

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

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 agaagggcct gcgagaggcc ggagggggccc gggaggcggc ggcgggtgggg gaggttgctg 120
 ctgctgctgc tcccctcggc tcaagcgccc tggaggggacc aagtcctgca gcggaaaggg 180
 caccggggnt agttcgggac ccggaggctg cagaagcagc cggccaccca ctcctcctcc 240
 tccacggccg gggctgctga gtcctcttc cgagcagctg ttagtctcca ggctctcggc 300
 ctccgattcc aagccctcca ggaccagcag cgcgtcgtc gtctccgtcg ggtcctcccc 360
 ggcctgcggg gcggcagcag gcggcggggg ttgcggcggc ggcggctgcg ggggacacgg 420
 gcacggacag cagcct 436

<210> 2404
 <211> 233
 <212> DNA
 <213> Mus musculus

<400> 2404
 gtgactgagg caccaaagac aggcaggcat gtgtgttgac aaacaagata aataggaaca 60
 agagctcaaa gcccctcttc ctgatcatgt tacagctgtt gcctgggtgca tgggtaagtg 120
 acaactgcct cctaggtggc agttttcctg gccaaagatga tgagtgcaca ttaatctgaa 180
 ctgctgtagt gaatggacct tctgtagaac ctcagtcctg tagacttagg gcc 233

<210> 2405
 <211> 89
 <212> DNA
 <213> Mus musculus

<400> 2405
 acctcacagg ttccccaaat ggaaggactc aagctactac atggccctga atttcaaagt 60
 ttttaatttt gtacaagaga acagagatt 89

<210> 2406
 <211> 128
 <212> DNA
 <213> Mus musculus

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

<400> 2406
 tcagaaggct gcaggccaga aggcagcacc tcctgntaaa gttcagaagg ttcagaagac 60
 cccagcccag aaagcacctg ctccaaaggc ggctggcaag aaagcgtgag gctacacaga 120
 ataataaa 128

<210> 2407
 <211> 82
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<400> 2407
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 ctttttggca gcattaaata tt 82

<210> 2408
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 2408
 gtacaagtac atataaaaag tgcacttttt tccagtagag cctacaaggt cacagaggtg 60
 caggagacca aatgcctgtt ttttgaggtg gaggcgtcag ctccaagctg ctgttgaata 120
 aaaccctgat catgtt 136

<210> 2409
 <211> 104
 <212> DNA
 <213> Mus musculus

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 <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

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 <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> (58)..(58)
 <223> n is a, c, g, or t

<400> 2409
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 tcccatttga gccagccagc tgttggcaat taaaaccac ttgc 104

<210> 2410
 <211> 52
 <212> DNA
 <213> Mus musculus

<400> 2410
 ttctttttgag gctaaagtcc cctatccgag gagatggttt caaaggctaa ct 52

<210> 2411
 <211> 71
 <212> DNA
 <213> Mus musculus

<400> 2411
 ttagaacgtt tcttgtttcc tcagacaggg tggaagatgg aggaataagg tccattaaag 60
 gctgcagttt c 71

<210> 2412
 <211> 89

<212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (46)..(47)
 <223> n is a, c, g, or t

<400> 2412
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 tctccctgaa ctaataccta gtaaagaat 89

<210> 2413
 <211> 454
 <212> DNA
 <213> Mus musculus

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

<400> 2413
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 ccctcagcac cgcatccaga agccccagtc agcgtgagcc tgagcgttgt gtgccctagg 120
 gctccgtcca tgcgttcctt acatgcaagg gaggcacctc cttccatcgg tccccacacc 180
 ttctctgggac ttctcataag tcattttcac ttgtgaaaaa aaaaaaagtg ctaaagtgtc 240
 cttcccagag agagcacact tcctanacga aactgtgaca atcttttttg ttgattcttg 300
 actgcttttg agagcataag gagacagcaa atcacgcttt ctcagttttc cctcctctac 360
 ctctctgctc ttccatccca ccctacctcc atctcgcccc catcaccttg cccccagtgt 420
 cttgctgtgg ctaccctcat ttctttcaaa cttt 454

<210> 2414
 <211> 366
 <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> (243)..(244)
 <223> n is a, c, g, or t

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

<400> 2414
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 attatacgga gatttttttc acccccatc cccttcagct gtatctttcc aatgtctgca 120
 cctgctgttt tgaaaacccg tgctgcattt ttttttaa at tgccaaagtt gctgggtgaga 180
 tctcccntt gtgtttataa acagggagaa aggactgcc tgccacatga agccattgtt 240
 ttntttgtt aaactgagca aagtttcttt tgctctactc taaagtggga atgagtatta 300
 cagtcccttn caacagagcc atttcagaat gtaagcctgt aggggtgtcca cacctgagag 360
 actgac 366

<210> 2415
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n is a, c, g, or t

<220>
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 <222> (64)..(64)
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 <222> (94)..(94)
 <223> n is a, c, g, or t

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<222> (128)..(128)
 <223> n is a, c, g, or t

<400> 2415
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 taancagaac tagcttncac ngatttagaa aaantagagg tgcataatgc tctggccgct 120
 ccttgaancc cgtgtgtctg ccaatgtttt gaccgttcct tgacccatgt gtgtgcccac 180
 tgctaaagtc cactgccagg tgtttgt 207

<210> 2416
 <211> 425
 <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> (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> (393)..(393)
 <223> n is a, c, g, or t

<400> 2416
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 agaangcagt ttgagcaggt gtctatatgg taccctgcat ccggggcccn ttgggaactg 120
 gccggttata tgatgtcagt aggtagccag ttgcaactt agccagctgc ctcatgtatt 180
 ctgagatttc ctaataaagg cagactaaag acgaagggtc ttcacctgag ccgggtttcc 240
 cgtagctggg ctctgtagag agacagtctg tgacgtccga gtctttggac tgtggctcct 300
 ctgcatctct cttggacttg tatccatgcg gtgttccgag tgtgaagttg gttacttggt 360
 gacgttttct tactgtatca gtgaaacaca canttgtcat gtcggttctt gccatgaatt 420
 tctca 425

<210> 2417
<211> 276
<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> (118)..(119)
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<223> n is a, c, g, or t

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<222> (169)..(169)
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<221> misc_feature
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 <222> (192)..(192)
 <223> n is a, c, g, or t

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 <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

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 ctacgctcag tgaatcactc acccctggag gcctagtcag ngnnntggg acngnaanna 120
 tntnncatgc ntatgagttg aaatcccact tttgtgagga cacngtatnc canntttccc 180
 atggaagaga cncctntgcc ctgttggttct tgtaaaggta ttcttaaggg gacatatntt 240
 ttgattcttt cccactcact gggttcaatt agatat 276

<210> 2418
 <211> 159
 <212> DNA
 <213> Mus musculus

<400> 2418
 gaagaccata attaaagccc tagattttaga gcctagtgtt tgccccact tcctcctgat 60
 gctgctcccg gactctttgg tggatgatgtg gacagttctt cggcctgctg ctgtagaact 120
 gcataggatg ctcctactgt ctgactctgc tccacaggg 159

<210> 2419
 <211> 259
 <212> DNA
 <213> Mus musculus

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<222> (29)..(29)
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<222> (34)..(34)
<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> (42)..(44)
<223> n is a, c, g, or t

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<222> (51)..(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> (80)..(81)
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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> (92)..(93)
<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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<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<222> (133)..(133)
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<222> (185)..(185)
<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> (192)..(192)
 <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> (220)..(220)
 <223> n is a, c, g, or t

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 tntntnnnnn ntaantnatn nttngngcgn annaaacaga agactncnan ctacacagnc 120
 ccagaggaca cangtaggtc tgtttgtatg gtgggagcta gctcccctga gagctagata 180
 atatntntgc antctgtgan tctattcctc agaacttccn taaaacacca agcgaaagta 240
 gctgttgtgc ttgtaaatt 259

<210> 2420
 <211> 97
 <212> DNA
 <213> Mus musculus

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 <222> (50)..(50)
 <223> n is a, c, g, or t

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

<400> 2420
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 aggggttcag nccccacttt tctaatacagg aacgaca 97

<210> 2421
 <211> 53
 <212> DNA
 <213> Mus musculus

<400> 2421
 tacaacagggt ttctctccac acttttcata ccctgagcta ttcttatatt ttt 53

<210> 2422
 <211> 46
 <212> DNA
 <213> Mus musculus

<400> 2422
 agaacagtgt ttcatatgac ccatttttttc ctagtgcattg agaaat 46

<210> 2423
 <211> 165
 <212> DNA
 <213> Mus musculus

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 <222> (28)..(28)
 <223> n is a, c, g, or t

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 <222> (31)..(31)
 <223> n is a, c, g, or t

<220>
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 <222> (92)..(95)
 <223> n is a, c, g, or t

<400> 2423
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 cacccccaca ggctcttctg aagaaacccg cnnnnaactg tgacctatag ggagagggga 120
 tcgcagaacc agggcatctc cctgaactaa tacctagtaa agaata 165

<210> 2424
 <211> 111
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (38)..(38)
 <223> n is a, c, g, or t

<400> 2424
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 ccttggattc aagttgggtt tcccagagagc cagacaaatt gctaccctac c 111

<210> 2425
 <211> 85
 <212> DNA
 <213> Mus musculus

<400> 2425
 gaagaagaga gttccgtaat aggggtattca ggtgctttgt gcttgtacat attcttgtgt 60
 tgctgtgttt gctgtaataa attat 85

<210> 2426
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (68)..(69)
 <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> (73)..(77)
 <223> n is a, c, g, or t

<400> 2426
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 tcaaaaannc ngnnnnnagg atttctgtcc taatgcttta ttatttatca aggaattcat 120
 aatataccta aggggtgcttc tgtgggtactg tcagttccca ccatgacata ctggattcac 180
 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
 cacagtgtga cctgtggtgt cgtaccct 568

<210> 2427
 <211> 458
 <212> DNA
 <213> Mus musculus

<400> 2427
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 tgtgcatccg gcgatgcaca gtgcttcgtg atgctcacat ccgctcccat tcctggcttg 120
 agtcatgcat cgtgggctgg cgctgccgtg tgggccaatg ggtgcgcatg gagaatgtaa 180
 cagtgtctggg tgaagatgtc atagttaatg atgaactgta cctcaatgga gccagcgtgc 240
 tgccccacaa gtctatcggg gagtcagtac cagaacctcg tattatcatg tgaaggatat 300
 ggagggtctgg ccaagcatcc actttgccat cagcagggtg ggactcaatg cttcacgagg 360
 ccctggactt ggtgccattt gtctagggag gagtggatga ctctgaagct gtcggacttc 420
 tgccttctgg tggggacaga catggacagg accctgct 458

<210> 2428
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 2428
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 ccacctagcg cagaccctg ggcagcccag cccgcctcca tgaagcctct cccaagagta 120
 aggccatatt ctgttttgat tttggtagat aatcttgtgc cgt 163

<210> 2429
 <211> 392
 <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> (329)..(329)
 <223> n is a, c, g, or t

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

<400> 2429
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 gccttctggc ccagaacaac tgactgaaga gaagtatgaa ggacttatga aggactagct 120
 ttagcttacc ttgtcttggc agagcttagt agttgactat cccgcgtctg tttatctttt 180
 tttggatagc attctgtctg cagatgaagt cagggcattt ctgcctagt ggctagctcg 240
 ccacaaatga agcaacttca catggaggta atgatgctta acattttctt tgaagtggaa 300
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 ctntaattcc cactcgccct ttgcagtgtt ccaagatcac tggacctgtc agcccagaag 180
 cagaggaccc tagtactgtc tgcacacctt agtacatgga gtatgctttg tcatgattac 240
 tgagttctgg ctccatctct ttctgtgag atgaaaccaa ggtacacact tctttccctc 300
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 actggtccca tgtcctgggt aggggtggtaa gggcagcgnt ntgnncnanc antctntnctg 180
 agnccnncn nncagantnt ggaaggcgna caccatgaaa agncnntgga actcctgaag 240
 nntncacann gntcantgaa acnnntgntn cnntacactc ctngngtgct ggaggagatg 300
 gaagcccgt tgcagaagat gngatctncc cntcggcncc naggcagcacc acagctacac 360
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aagacctatg tccaagactg gtgaggtggc ccaggagggt caactgtctt gctaccaagc 120
tcaacaacct tcttctgact ccctaacctg agtttaaccc ctgagaccca catgatggat 180
aaagagaact tgctcctgca agnttgctcc 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 anntnnnnntt cctntatatt gtnntctttt ttannnnnttg ncatgttgct 180
 tttggaatca nccntgantic ttgcccagt atatgannnt nnnttnnact ggtattttac 240

tggtttattga tgaacatttn ttcattaaga attttttgaa aantcntcaa attcaatgaa 300
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 anantacaca ccnagagcat ccagactcca cccctgaagg gaccccnnc tctttattnt 180
 gagcaacttg ttcccgtttt cagtttttct tccttccttt cgcggactac cctccttggt 240
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 gaataattca taaaccaaag ctgactttga aatttttnat ntctggttgc tttcaaccct 120
 ttggaacttt gttgct 136

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 <212> DNA
 <213> Mus musculus

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 gta 123

<210> 2439
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 acctatggcn ttgtcggggc cattingcagg atgggcgagt cagatgattt tattttccga 180
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 <212> DNA
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<210> 2441
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nnncctaaaa gggatcatggg tgggacacat taaaagggtga gctttgaact gtagataatn 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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 <223> n is a, c, g, or t

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gtgaagttac tcttggtttg tgtgtggtat ggcttcaatc tgtagantat tatatggaag 120

tggatgattg ctactgttca tgtgcaaagtg gaccaatatc tatataga 168

<210> 2445
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 <212> DNA
 <213> Mus musculus

<220>
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 <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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 ctinnttggt gtgacgagtt agcccgagtc ttacatgctt tttgtggagt gcccactga 180
 agtgtcctct gcactggctg agccagtgag tctcattgta agctcttaag ttagatcagt 240
 caaattacgt gagtctgagc tgttccccta actcaggggtg ctacaaacac aagacttgct 300
 caggaaagct tccgaagaga acagcttcca gcctgcttcc cgtgacactc agcagcacac 360
 gggaagtggg ccagtggatt gccaaactaca 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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 ttctctctgt gcttccagtc attagtgggt cctcaagatt gtagtcagaa cagttctttg 180
 tacacagtaa tggagggata ggatgtttta ccttgtttca cataacctct caatgtgcaa 240
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 <211> 486
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 <222> (456)..(456)
 <223> n is a, c, g, or t

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 tctgctccga catgcgcagg ctgcagatga cattccttgg gntttggtgg aagttactgt 180
 tgtgatcata ctttagaaaa ggtgaaggat ttatatgttt ataggtatgg ctacactgcg 240
 gccctggaca gcccaggatg actttgcttt aaccacacac ggtctccaaa tgctaacaaa 300
 gcaacctcat tgtttgggtt ttgttattaa aacaggggtct ctaagtaaca ctggctgctc 360
 tagaatgctc tatgcagacc aggttggccc tcaaattctca gagatccacc tgtcttcttc 420
 ccaccacacc cccagtgtc tcataaaagg catggnccac ctgacttggt tccctgtaga 480
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<210> 2450
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 <212> DNA
 <213> Mus musculus

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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

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 <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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 <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

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

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 atggaaaaca gnagtgacca gaaagactcc tgttgctact ccagtgctga tccccaagg 120
 ggnccgtgtt gagggctcctt aactcttctg aagatgctca catcatagag gctacctgtg 180
 acacacctgt tagcatacct tgcagcgaag cccagttagc aggnacactt ccattctncc 240
 ctatgaaaca gacaggctcg ggctcccagc ccttgacatg cagaagtgga ccggcagaca 300
 tgtctcccg n tctggagacn tntcttcggc ccaaattctag 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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 tagaagcaca tactgccctt gtgtaaggcc caaggctcagt tctaagctcc cacatcaggt 180
 gaggcaggac ctcctatggc ttcagctctg ggaggtctga tgctgtcttc ctcgcttctg 240

aggggaacctg tactcacatg tacatactcc catgcagaca cccacataac catgtaattc 300
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<210> 2452
 <211> 389
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (30)..(30)
 <223> n is a, c, g, or t

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 ggcatgtcca taatagtcaa gcattattcc tcttgaattc ctgtcctggg gaccttcggt 180
 acaagctaca cctacatggg 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
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 <223> n is a, c, g, or t

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 gtggaganca aagaaggagt tggagatgaa aaagtgggtac tgtgtcaagg gaagattttt 180
 gtgagttttc 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
 atgcaat ttt tgtgtatctg gcaaaaaatg ccttcagca aatttgcata attaaaaaat 360
 ctttataagc cttattacct tgctttatct tgacatcagt gtatattaca ctgtccttta 420
 gaaaaacaaa caagcataat gttctttgcc tcagaaatgg ggatgggggt gggataactc 480
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<210> 2455
 <211> 459
 <212> DNA
 <213> Mus musculus

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

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 gangaccgga gctggcattt tcgagnccca cataaagcta ggcattgtag cacatatctg 180
 taacgtcagc cctcctacag caagatgaag ggtagagaca aatgcatccc tgggagcttt 240
 ctgaagggcc tgctgtacac cgctgcaatc ctcaaagttc aaaggtgaca gcctaaactt 300

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gggggtcgtcc tgactgctgt gcacatttgc atttgcaccc ccactcaaca cacacacaca      360
ctaactattg cttacntcat caacttgttg gaaggggttag ctaaatatgt ccaaagtgct      420
tagagaggag agcctggaat ccagtcaacc tctgtacct                                459

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<210> 2456
<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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<223> n is a, c, g, or t

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

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

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

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

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

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tgtgtntctgt gnttgncaagt atgtacatat gagtgcaang tcccctggna actggantga 180

cagatgctag agtgaattct gcttcaagag tgggtctctcc agacttactc cgagtttgag 240

gagatctcca tccagctca ctttnaagca cngttcctat atagatttat ataggattaa 300

acttaaggaa ggccaagaga agtccttcag atacagcagg tgcacagtag gatggatgct 360

attatgtctg gaggggtctac tgggtgcatt tagttaggat gccagacact tcacattggt 420

ctttcagccc taggctccag catggccctt gaccacaact gaaaacttta gtcaagtgtg 480

gtggttcata cttttaattc cagtgtgat g 511

<210> 2457

<211> 438

<212> DNA

<213> Mus musculus

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

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<222> (124)..(124)
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<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

<400> 2457

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cncnanttgc ccantatgcg gaccggtcag ntcccccttt aaaggagggtt gcagactggt    180
ttcacccgct cactgtcttt gctctcatcc atctctgtaa acgttagaca aaagatggta    240
ccactaactg aggtgaggaa acctgggggtg aaagatgttt cagagggttaa gtcaaggctt    300
atgctaagtt ttgcgtccta ttagacaccc aagtggatgg gcgagtagtt aatgggtctct    360
ataaatagat gtcctgtcta ggctggagct ataggcttgc atttagtatc tatacataga    420
tactgtctaa gctgggagc                                                    438

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

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

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

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gggctcagtt cccttggtgg ttagacttct gaggcaggcc aggctggcct tgaacttaca    180
gaaatctgct tctgctgtgc tgggggttaaa ggggtgtacc cggatcactg tttctagtaa    240
actctagcta gccagtatTT tgtcaagttg ctagtagcca cacctaccag taattagtaa    300
attcaggaag gaagggacac caacacagag acataacaaa aaaaggaaca gaaacattgg    360
gaacacacta atagattaag atgaatagtt tgctgggtgta cgtaaaaggc atttctgatg    420

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ttgggtccag atctttcaaa gttt 444

<210> 2459
 <211> 330
 <212> DNA
 <213> Mus musculus

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 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

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 ctcgccaagc taatgatgaa ctaaacctct tatagtatag gcaggccgta atgaaatgct 180
 ctcttttata agatgtgctt cctcgggtcat ggtctcttca cagcagtaga acatcgacac 240
 ctactgaata gcagagggtg ttacatTTTTT caaattatat tgatggttac tgctttgtag 300
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<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>
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 <223> n is a, c, g, or t

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ttacacagta ctcatatac taggtgtttc ctcaatctta cacagtactt catatactag      180
gtgtttcctc aatctcttgg ctctttttga ggaaagctga ttccttcttc ccaaacccca      240
atatattatat taagcgctat tattatttga agtatgtaca gactatatat ttgccttcca      300
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<210> 2462
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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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<220>
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<223> n is a, c, g, or t

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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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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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

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<400> 2462

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tacccccgag ttcactcacc ccgtggtggg tcagtagtag tatanttcac aacacaccaa     180
atacgttcct attgctgttt tgtcaccagc cntgctcttg gctttcaaaa tccctaccga     240
tttaaagcat aattggcaga gaatttacac tgcttggtaa ctatatactt tcttccttct     300
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<210> 2463
<211> 459
<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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<220>
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<223> n is a, c, g, or t

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<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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<220>
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<222> (134)..(134)
<223> n is a, c, g, or t

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gtgagtgcac tacnagagta agaccactac ttcattctcag agggaccacac gtggaaccct     180
caggacacag gaacggagga caggagcctt cctgggttccc tctgctccag gagttgatcc     240
tgtgcttcag agcccagaac tgatcctgtg ccacatcgat ccatggccaa atacagccag     300
gagagagagg gtctcccagg agtgccaaca cataagtgag cacagataag accacaactt     360

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cttttcaaatt tcctgggtca agagggaccc tcccagaacc atcaggacac aggaatcaag 420
gatcagctgg ggacaggata cttgtggttt ctgtctgca 459

<210> 2464
<211> 477
<212> DNA
<213> Mus musculus

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

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<222> (433)..(434)
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<223> n is a, c, g, or t

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atctctgccc nttgctgncc catggtggct cgnttttaca tctgagagga gggaacctca 240
actgagaaaa tgcctctgta agatcaggct gtcagcaagc cggtagggca tcttattaat 300
tactgaatga taggggaggg cctgcccac 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>
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 <223> n is a, c, g, or t

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

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

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

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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> 2465
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 ctcangccag tcctcagtgg ctcttaggta ccngncctag aattataaat tacagaatta 120
 taaattcctg cgttaatgta tgangcctgt ctactttcat tcacnagaca catggctgtc 180
 tctgtgctaa canatgctga cacatgctaa cacatgctga cacatgctaa cacatgctga 240

cacatgctaa cacatgctga cacatgctaa ctctgtggcc ttctgcctt cctgcactcc 300
 tcctcccttc cccacttca tattctcatt ttctcagata tgcaggaaac aaagaaaata 360
 ctgtatgaac tataacctaa ttttctcag gtgtggatat catgggctcg gctacatact 420
 tgtctctagt tagctgaccc ctggttgca 449

<210> 2466
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 2466
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 ccaaaccctt gccagaatgg cggagtctgt tcccgcacac gacggagatc caggtttacc 120
 tgtgcctgtc cagaccagta taaggggaaa ttctgtgaaa taggagactt ataacatgtt 180
 tatgga 186

<210> 2467
 <211> 553
 <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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 <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 tcctaattgga agacgacgat 180
 gatagtgatt atggcagttc aaaaaagaaa aacaaaaaga tggttaagaa gtccaaacct 240
 gagagaaaag aaaagaaaat gcccaaacc agactaaagg caacaggtga gacctgcgag 300
 aggaaancat ttctcaagaa ctaannnnnt gcctcagcat tggccctata tctatctcgt 360

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agaaatacaa gaaatccaaa ggggttctgt cttacacata tgcctttgtt cccttcaaga 420
ctggtgaggg ctgaagagat ggctcagtga gtaagctcat actgcttcca gaggacccaa 480
gttcagatcc acagccacat tgtgtgacta acagctatct gtgactccag ctgacttagc 540
cacctgtaca cat 553

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<210> 2468
<211> 445
<212> DNA
<213> Mus musculus

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<220>
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<222> (28)..(29)
<223> n is a, c, g, or t

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<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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<400> 2468
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ccccatttca agcaaaacaa caaaacaaac atgtggaagt catgattaat tacttagtga 180
tgagataatt ttttgattaa ttccctcctg tcacattgaa tacattccag gttgtcctta 240
aaattttgtg ttggaagca ctggggagac tgaggcagga ggaatgaaag ttcaaggcat 300
atcactattg gcatatcact gtgttaaagg tagctttggc cacatgcatc tcaantcctt 360
gcctaaaaat atttttaatt acaaagcaaa attaggtgat tggagagtgg ctcagcagtt 420
gagatcactg gcttcagaga acctg 445

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<210> 2469
<211> 413
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (38)..(38)
 <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>
 <221> misc_feature
 <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

<400> 2469
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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 tctgataag tgtggagcac agagacacct tttcccttca ggctgaagc 360
 cagcatctga gctgtggaca tggcggccac tccaattgca acgggcgctc tag 413

<210> 2470
 <211> 287
 <212> DNA
 <213> Mus musculus

<400> 2470
 atggtgtttg tgtgggagtc tccctggagg ccagaggcca gtcttaactg tcgtctatgg 60
 ctttttggct tttagctctg ctttttgaga taagatctct agtttgtctg gtgtttgctt 120
 gctctgtcag ctagacgggt tggccaagga cccaacccc agcctgggggt cacgggcaca 180
 tgccaccaca cttgggtgct aagaatccaa acttaagtcc tcaaggctgt tcagtattca 240
 ctttactcac agagctatct cctgtccca 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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 gttgttttaga 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

<220>
 <221> misc_feature
 <222> (146)..(146)
 <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> (161)..(161)
 <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> (178)..(178)
 <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> (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 cctnctctn cctcccgagt nctgggatna aaggcatnca 180
 ccaccaccnc ccgactctga gtntctttta 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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 ttttcccat tgagtntcc 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

ataggatact gcctgtcatc actgggtcatg gtccctgggtg gtctaagtgt ccactctcat	60
cacacacaca cttcntgaac ctgctcacct gtggggctgt gcacgacgag gtctagaaag	120
ctgggtgcaag ttactttttt tataactaat cagcatttgg aactcaatna aggacaaagt	180
cttgcaaagt ctccctcctg ctccatatac atataggatt taaaagcac tttgtggctt	240
ttataaacac taactatatt ttgattcttg ctctcatata gctaagggtg cttaaataac	300
tacttggggg tagtgtctgc tgctaactta aagccccccc cccagaatg agtggccatg	360
aggagtggaa ggggatgtga ctcatgtgtt atctgttga ttcaagggtg ttattcta	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 ctcttcnct gcgcgaatgg agtgtgtgtg	180
ctgtgtgtgt tatgtattca ccacacattc atttacactg atcaaaaaga ggaaatagca	240
ctgagtatgg agtagaacgc ctttaatgtc agcactcagg agacagaagc aggtggatct	300
ctgtgagctg aaggctagcc tggctcatat ggagagggtc ggacagccaa ggctatgttg	360
agagatcata tctcaaaaat aagaaatggg gtggagggtc gtcttccttg taactataat	420
tcagacataa tgccataaat 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

<400> 2476

gtgtttctaata cacatacaag atggaaatat agaaatgggc atatatttacc ttacaattgg 60

tgggtctttt acaattaggg ataacatgtc aaattttaaat 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 tgcctctga 360

cctctacatg ctaactctga ctttcagaaa cccaataata atgtacattg tgatgttttg 420

aatatgcttg ggccagggag tgacactatt tggagggtgtg 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

<400> 2477

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ggatatttta aaagcattga acttttantn tgtaaagtct gtggggcttt caaagttgtg	120
tatatctngg gcangaataa gaaactaaga gttgagcatt actagtgatg tgnnnncgcc	180
tcaaattgac aagggtgtcaa 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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gtataaacc caccagtgtg gcttgtcttg ttgggtctgt tcagggttga tacttgagac	120
actggctgcc acccagtagg tgtcctcaga gaaggcctta ttttgtgaat aaacagcttg	180
gaaaggccan ttgcgcccc gggcctcttt ccatgtggct tagctcccag agtagcctat	240
gcatagtaag tgctggaaaa tacctgtctg ggtgggcaac accagccaag cacaccacc	300
aaaggcacia agggctcagc cactccatct gagagcagcg aaacagcagc caggatatgga	360
ggcacatagc tgtggacca acaccccga 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 gccttcaa ataatgatgtc 120
 tttgtcttta atagttgcaa tgtaatttat ggagcacttg gtaccacatt gtgtctattc 180
 tttcaagctg cttgtgccct tcacacactg ctctgcttac tattggtaga caatgcagcc 240
 caaggggaaa atgttccatt tgttcttctt ttttttctt ttacatcaa ancatttcaa 300
 taataaggaa aaaatcataa atctcaataa tgcatttcta atgatcaaaa tctcaagtta 360
 aaaaacttcg accttcaata tccattgcaa gtaaaagtaa caaacgtat 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
 gaccgccc at ggtctgagac tagatagaaa ggagaagaaa aagcactcgt gtaaaactca 60
 tcctattaga agaaaaataa cttttcata aaatgaacat agaaaatgca ctgcctctcc 120
 tttagataca tttcttcagt caactgactg gcttaccaa agtgttctct tagttcaatt 180
 attgcacaaa ttacttttaa acaaatgtca gtgtccacta tttgtctgaa taaaaccttt 240
 caaagaatac tactcatttt aaaatctcct ctcttcagta aagattaatt aaaaacaagc 300
 ccaccactct ttgcttcaca attttaatat taatgaataa gtctctcaa gctgaagtgg 360
 tatttctttg aggtctgacc taaacgtgta gcagtagatt cctaatatat gcagaattcc 420
 caagactcaa aattaagagt caaaaacaaa aaacaaaaca aaacaccaaa acccagagcc 480
 aaggaatcgc tggaaatggt 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 ttgtcccca ttaccagcag ggtcctacta 300
 cataggcatg cncaccaca cccagctttt ctttttcttt ttttactttt tttttttcca 360
 gatgggtaat atgccacac ctgaacaagg tttaggggag gtacatatc tgtgaacacc 420
 cagtcattgt gattatgaac caaataagga tctccacac 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 ggactctggg ctaagttagc tattccagtt gttaactctt 120
 cttaagagtt tccacaagtt ttgtgtgttg ggttttgggt ttgttttggg gatagtaagt 180
 acccctgact ggcctgcaac ctactgtata gagtaggctg gcctcagact cccagtgttc 240
 tgttgtcctc tgcttcctgg gtgctgagat taaagggtgta tgccccata gccagcattt 300
 tttaactttc tgggtcaatg attggattgc cttagtttta tctctttana gatatagtcg 360
 taaagctggt ctctgcatcc tctcaggtgg taatgccttg ttacttaaga ctactgcag 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 ttctgtttga agcngaaggg atgtgtagcc 120
 agggaaggct cccttcacca gtgtaaagag ctgatacagt actcagaaga ctgaacaaat 180

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acttgaaaat gggttcaatg tagactgcc a ttctgtgtgg tcttccatt aaatgtgaac 240
atTTtaatat gtatgcattc accttgccctc ttgcacaaat gtcaaaatgg aaagatggga 300
atgtctcaaa acaaaatgag cttggagatt accaagcagt ttgctgaaaa ttcaatcttt 360
gacccaaact gtagcaatTT ttatTTtctg agtgtggcac tgtTntgttt tattTnnnnn 420
nnnnngttnt gtttttcaat gccaccaaca aactatgt 458

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<210> 2485
<211> 304
<212> DNA
<213> Mus musculus

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<400> 2485
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gagcttatta tggacttaag gctTTttgtt tttgtTTttt atgtTTttgtt tttcaagaca 120
aggTTtctct atcaaccctt gggctgtcct ggaactcact ctgtagacca ggctagcctc 180
agactcacag acatctgtct gcttctgcac tgagcactgg gactaaaggt gtgccactac 240
ctggctTTta agactatTTt ttatgaagag tagaaaagaa aggttcctgt ctagctttga 300
taaa 304

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<210> 2486
<211> 537
<212> DNA
<213> Mus musculus

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<220>
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<222> (41)..(41)
<223> n is a, c, g, or t

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

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<220>
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 <222> (97)..(98)
 <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> (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)..(136)
 <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>
 <221> misc_feature
 <222> (147)..(147)
 <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> (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 tgcttttagnc ggtactccat 180
 ctcttnagct tcatttggag actatctgcc ctgtagcccc agattcacia 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 aagtttagtac 480
agttagtgtg gaacaagaag ggagacaacc ctgaacgcc a gcttacacc tcaagta 537

<210> 2487
<211> 537
<212> DNA
<213> Mus musculus

<400> 2487
gaggttcaat gctagccttg gctacacagc aagttctagg ccagcctggg ctacatatac 60
cctatcacaa aacaaagtaa agcaaagaaa caaaacatca aagaagctat gcagaaaact 120
gaccttcctt ttctttcctt catttctttt ttgagacagg tgtcaccccg tagttcactc 180
tggcctggaa ctgttaggta ctacagctcat ctctcttttt ttcccttcct ttaggcaggt 240
ctatatagcc caggctgtcc tggaactcat tatatagacc atgctggcct caaactcaga 300
gacccgcctg ccttggcctc caccttttcc ttctcttgc ctttgtcctt ctttctttca 360
gaactaacc taggcaatgt tctacagtgt gaggacatca gagcctggaa cagatgagag 420
caacaagtcc ttgaatttaa aggaaaaaaaaa aaagcaatta tgctggatgt ggtggtatac 480
gcctataatt ccagcaagga caaggttgag gcaggccaca tctactaggtc aggtctg 537

<210> 2488
<211> 336
<212> DNA
<213> Mus musculus

<400> 2488
aacaaggtct cattaggtag ctctagctgt cttggaattc accgtttagg ccagactgcc 60
ctcaaactca cacagatctg cctgtctctg cctcccaggt cctgggacta aaagcatgca 120
cgactatgct ggtgtatgga aataaagttt agtcaatgtt gaaaatctct cctggttgaa 180
tgacttgctc aatttctctt ggaatcccta ctgagaacag aattagcaac cttgtgggaa 240
ggagacagtg gggaggggaag agccaaaatg ttaggctatg tggctgtgtt tcaggagcag 300
gatgtatagc ttgcctttca agtctaagtt tctgtg 336

<210> 2489
<211> 421
<212> DNA
<213> Mus musculus

<220>
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 <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>
 <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> (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 agaaccacaca cccacnatgg cacacttttt 120
 tcancaagnc cacacctact ccaacagggc cactccttgt agtnatgcc a cccctgggc 180
 caagcatcta caaacatca cactgtttta atttatttgt atattatttt tatttcaa 240
 aattcttaca tttaaagcta ttttagctca tattcttccc ctccccacaca tncctccaga 300
 tcctaccctc caccaaactt tcnnaagaaa caacccaaaa acccagtaca acagcaaaac 360
 cccaaagcct actaaacaag atacattaac tctcagcata aataagcaaaa 410

<210> 2491
 <211> 369
 <212> DNA
 <213> Mus musculus

<400> 2491
 tcttctggga agagctacca gtgctcttca ctgctgagct acctctccag cccttgtttt 60
 aaaatcttaa cgtaagggtgt tttagaaagt acagaccaat acacttgaga tgtttctaca 120
 ctgagtatcc caacccttcc ttcttggtgt ttaagggtgca aaaaaatggt tccagcttca 180
 aagagattca caatccatag gtcctcta atgttcttacca tctcactgaa gcgctttgcc 240

aacttcaccg gtggaaagat tgctaaggta tgcccatgat tcatgactgt tctcatctct 300
 gtacagtgag ttttcccctt ttcttcacaa ttaatgaagg gtaaagtggc caagatgcac 360
 agtcatgtg 369

<210> 2492
 <211> 400
 <212> DNA
 <213> Mus musculus

<400> 2492
 ccctggattg gtggtcttta attctataaa aaagcaggcc atgaggaaca agccagtaag 60
 agttcctgct tctaggttct gctgtttgaa ttctgtcct 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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 tgagcaanng gtgtgtgtgt gtgtgtgttaa ttagatggta gagtatatcc aatctacaca 120
 gctcgggtgat naaggggagt ggggtgaacat tgcaggcaga cactcagagg gaaacggcgg 180
 caccttccca agcccaatga agaagtataa ccngnaggct tttcagaatg caatcagtgc 240
 gtgccaaagc tgctttttctc aaatcgcgaa ggagaggggc acgggactgc acaagtctgg 300
 gctccaaggc taagcacctg ttttaaaaat gggcctgggg catctgcaca cttgcctggt 360
 ccggccagag gcatgcacat cctcggagct ttaaaacaga aagctacat ccatcccaag 420
 gaaggtaccg ggagctcagt gactcccag gacaccgctc gcttgcaaca tctcggcgcg 480
 gcgccaggca agggcccgt 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 agaccaccc taaatctgcg 120
 tcacatctcc tgggtggcggc cttcgcgaaa ggacatggga gaaggatgcg tcgcttcctg 180
 tctgctgccc ccactctcac tgccaagttt gtgtatcttg ttgctgtggc tggcgggaaa 240
 tccaattttc 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 gtcattctcta ctaggatgtg gtttctttaa aattagcaat 120
 tattgaatgc ctgaagtata tcggggccac atatggctcc tgacttcata tttagctcaa 180
 tgattttctt atttatttat tttatatccc aattctactt cttggaagct ttatttctgg 240
 aaaatagtcg gggcactttg ganncctgaa 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
 tctggaggaa aacaacttgc tgacagcctc aggctgctgg atttccactg cctctctata 60
 ggaaattttg gttaaaaaaa aaagaaaaaa gaaagaaaaa gaaaaagacc tcattcctagc 120
 tgcgttggaa gccagtatcc tcctagcagc cttcagatga agatgtagaa ctctcagctc 180
 ctctgcacc atgcctgcct ggatgctgtc atgccctcac cttggtgata atg 233

<210> 2498
 <211> 253
 <212> DNA
 <213> Mus musculus

<400> 2498
 gaatccagac cttcaaatat gctagctctt aatagatttt ttttttcttt ttttaagttct 60
 ggctatcctg gaactcacta tgtagaccaa gctggcctca aaatatataa gatgaacctt 120
 acctttgcct ccagagtact gggattaaag gcatgttcca ttactgctgg ctcttgacaa 180
 aatttttata gtttttctct tacttcagta tgtatagttt tcaatatatc cacacctata 240
 gataatttca ttt 253

<210> 2499
 <211> 179
 <212> DNA
 <213> Mus musculus

<400> 2499
 ttggaatg agacgtgctg gagatcaaag ccaaaccctt tcgaatgcta tgcaagaggc 60
 ctgtcaaagc tatgctccta gcgcttatgt ttgagtatit gattataaat tgcttctaaa 120
 acattgccgt caaattacat tcattagaac agtaaaaatg tcactttatt tccaaatat 179

<210> 2500
 <211> 116
 <212> DNA
 <213> Mus musculus

<400> 2500
 tataagtaaa ggatgtactg cccaatcca cagggtctgg ggaagtggct atgttcttcc 60
 ctgggtaggc acatgtgggc acataagcac agcccctact ggagaacagt tgactg 116

<210> 2501
 <211> 89
 <212> DNA
 <213> Mus musculus

<400> 2501
 atcacattta aagtgtcttg tctccacggc ctcccgtgca gcggtcctca ccgaaagatc 60
 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
 ggaacacctg tatttgcagg acgganggca natgtccaca gccttgggca ttcttgtatc 60
 tcctgtgta 69

<210> 2503
 <211> 276
 <212> DNA
 <213> Mus musculus

<400> 2503
 gaccttggat tcttatgtgt cgttcctgac tacaaatgag tttaggccag cctgggctac 60
 gtgaaagtca tggtttttct ttgtagatga taaccttcaa ctagcaccct agcccaagcc 120
 atcctacgtc agcaccccaa gtggctgggg gtacaggtgg ttgtttatcc ctttttcta 180
 agaaaggaag acagggcctc atatctgata aacctctgta ccaaagtata tccccagcta 240
 caccctcagc cctcctgggt tgtttccaaa caacag 276

<210> 2504
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 2504
 tttggctttc acagtgaacc cttgataccta tacatccatt aattccaaag acaattattc 60
 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 aggggtgtcat acaggagtac 360
 gaagatTTTT atcataagga atctgaatga gaaaaggata aataattatt 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 ttaggaagc agtaactgat tgtcacattg tgggtcactg 120
 tcacagttca agtgtacaat ggaagtaaga caggattatc tttgaactct gtagtcacag 180
 tgaaggcaag gcaggcaatg atcagcagat gcgtgggttat ggcttgactc ttcgcgtact 240
 ngagggctct tgtgaaacaa cgggcaaacc agatggaaga aaaaagctag caaggtccta 300
 agagccctgc actaacctaa cacgggatga aaagtcata ttgctcttgg cagaacagga 360
 aatcatttct ggcaaaatct gtgcaccacc agggctttta 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 aatagtgta gcaactacat cttaacagta 180
 tccacttggt 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

<220>
 <221> misc_feature
 <222> (59)..(59)
 <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> (94)..(94)
 <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> (109)..(109)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (179)..(180)
 <223> n is a, c, g, or t

<400> 2508
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 cgggggatgga 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
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 aaaacagagg cntgaaaatg acaagtgact atggtctctg tgtggcatag ctacctcact 120
 gctgcaccca ttgcctcctg gactctaggt ttgcagaagc ccctctgaat gcccacctca 180
 ttatccacct cattgtgcct ctgagacatc cttagggctg gggtagccag ctctcgaaga 240
 caccatgccca tgacttctag gttttgagaa ccgttactta aaggctgaca tgccaaggcc 300
 ccttgtgtgc ttctgtgaca aacttatgaa aaggagtagc ttatgtgtgg gagtgaggaa 360
 ttctgtctct tgcccaccaa gattcatctg tgatgaacga tagcccaatg ttctttgtgg 420
 ttctcccgct 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
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 tgccctcctga gtgctgggat taagggtgtg tgctaaaagt cactatatag cctaggctgg 120
 ccatgctgat gatctgcctt ggcttcctaa gagctgggat tttagacatg tgtcaccatg 180
 tccgtcctgt atgtatcact ttgtttacag aaagaaaatg caggcaggta aaaacaagac 240
 ctgggggctg gtaggatcgc tcagcgggta agagcactga ctgctcttcc aaagatcctg 300
 agttcaaatt ccagcaacca catggtgggc tcacaaccac tcctaataag atccggacgc 360
 cctcttctgg tgagtctgaa gacagctaca ctgtatttat tataataata aataaattta 420
 ttanttttaa atgtatttat ttataataat aaataaatct ttggggccgg agtaagcaga 480
 ggtactaaag ttagtttcca accagatg 508

<210> 2511
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 2511
 gtttaatcca tatttgcct ctccaccac cagttttggc ttttctcccc aaggctgatg 60

atataggccc atgaactgga ttggacttag caactcaata ggatcagggg 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 cgcacccccg gggcttcctt aagggaatgt gtctgtctca 360
 ctgtcgtgtc tcagtgtgtt cactgcatgc tgggtgtgtgt ctaatc 406

<210> 2512
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 2512
 ttgggctaag ggaaatgatg gatctggggt caggcaaggg catttgagg tgagcagcca 60
 gaaggcatgt agtaaccac agtactcctg ctatcttgac ggcaggaaca ccaagacaga 120
 aactagctga gattcatctt ctaagggtcta tcgcatccga aatgtggggc tgtgagcctg 180
 tgtagcccg 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
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 gagtcctctt ctgaacagca tgctcatgtt cttccagcac cagcacagca gctccctcac 120
 ccatgacaaa accatctctc tctggatgaa acggccggca ggtagcttag gatctggggt 180
 tgagctcaga gcccgggctc tggaaaaccc agcgagagat aatggactaa tgcaagagtc 240

tgtgccccca ggccaccatc acatctgggt caccatgggg tatgaatnct aaaggagttc 300
 tcccacaggc atgtgcacct gtggtgaggg ctgtggacac tgagtgattg ggggccctga 360
 gttttagtagc aatgctaaac ctgggcctgc agccatattg attcag 406

<210> 2514
 <211> 98
 <212> DNA
 <213> Mus musculus

<400> 2514
 acactcggtg ggcatttctc ctgggggggac taggaagaac cgatttccta gttgaccagg 60
 aattaggcct cacatcatt 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
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 tccgttctat aaacacaagg tttcatcttg agcccatgct ctacatgtta actgggcttc 180
 ttgactaggt ccagcagagg tctggtgata ctggctggcc ctgggtgttg gtgggctgta 240
 cccagggcag cagcaccacg tgtgaacca aacatttttc tagtaaacag aaggctgctc 300
 cttcatcctt cctcaagcca agctctagta caggtgaggg aaanggtgtg tgctagcaag 360
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 aggacaccca tcccaggggc tacggcaacc gacagaaaca tgggctagtc atgccagaag 180
 gccaaaggac agcgtggtgc acaccttcac accaaggaca acttcaggag ggtgcagtga 240
 gggcagccgt gtggagtctt gctttgca 268

<210> 2517
 <211> 383
 <212> DNA
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 ggcttctgct acaccaatgg atcctcactg gggctctttt tggatatact gctgttgccc 180
 tgtgtcaggg acatcctgca gctttgtatc tgagggacta gtgcttcatt cgagtgtctc 240
 agtgggtcat agatggggta gagttggggc ccggcaactc aaagccctgg atctgggact 300
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 <212> DNA

<213> Mus musculus

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cctgggaagc agagagtgga gaaagaaatg ctaagggcca ttcattgaatc ccatgtccac	180
ctgacatgtc gggggggcag gtgtggaggt gcacacctgg tgaagcccag cacttgggag	240
gtgggggtcaa gaggggtcaga agtttctgcc tagcctcggc tacatagttt gaagccaggc	300
tgggaaaaaa ctgtcaaagc accctccctg cgatttagag tatactacca cctttaagat	360
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<211> 423

<212> DNA

<213> Mus musculus

<400> 2520

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gcggtgccgt gggcatggaa accttgccctt acttcctggt cctaaaaggg agctgtgcag	180
atgtggatca acatttggtt aaaataaagt attaatactt taaaagtcaa ataaaatata	240
gtgtttacat tctttaggtc ctgggaggag ttgggggggg gggactctga taatacagat	300
agtaaaagca gtaatttctt taatgttatt tttctgggta gtaattattt ttaacagtac	360
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<210> 2521

<211> 424

<212> DNA

<213> Mus musculus

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aataaaactgc agtctcattg gcctgaagca acgtgtatct aaagacgtgt gtgcatttta	180
tggagttaca ctgctgcctt agggcttcca ttggattttt tcgatggcaa cctaggattt	240
gatttacttt ttacctttcc tctacaagat tagctcagga tggcaatgag atagtaggca	300

agtgtgaccc aaacacttac gtcagcaatg tgggggcccc tggcctgtgt cctctgagga 360
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tttg 424

<210> 2522
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<212> DNA
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ttctgatggg attctctgca gctatgttgc ttcaggca 98

<210> 2523
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<212> DNA
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ttctgatggg attctctgca gctatgttgc ttcaggcagg ctgtggtcct 110

<210> 2524
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<212> DNA
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acctgcctc caccaaacad atctcaggct tctttttctt t 161

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agccggcctc cagcggtcag aagggagcag gctcgcagca ctgggcctga caggtgagct 180
gagaaccgtc acactcttct gatcagtgtg atgggttctt gtggcagctg taggaagtcc 240
acagacctac atgtcgccat tcccttcagc tgcttttaaa gggt 284

<210> 2526
 <211> 289
 <212> DNA
 <213> Mus musculus

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 actttctctac aacccccccag caagcatcca agtccacagc ttcagaaagc cagttctctt 120
 cagtctactc ctctgcttcc tggtttttct ttcaagagag gaaactcaaa agtaggtagc 180
 taggtgtggg ggtgcacacc ttaactctag cactgaggag gctctctgtg agggctagcc 240
 tggttgacat agtttgaagc cagctggaat tagcgagacc ctgtttcaa 289

<210> 2527
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 <212> DNA
 <213> Mus musculus

<400> 2527
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 gcgcagagga agatgagtta gtgcatgtgc cagacttgga ctctggactt acaggctgtc 180
 gtgagcagcc tgacaggggtg ctgggaacca aacttgggtc ttctgcaaga acagaacatt 240
 acttgctctc attagctgag ccatcat 267

<210> 2528
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 gcaggagcac gaggcagctg tcacatggca tctgtagtga gaaatccagg tgcagtgagt 180
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 gct 243

<210> 2529
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tcggggaact gggcggaagg agcaaaatcc ttaacagggtg gtctgggtgca cctgttcccg 180
ggatgatatg actttgacat cctaaacttc ttccagaagg gtgagcacct g 231

<210> 2530
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<212> DNA
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ccctgagatt ccagatt 137

<210> 2531
<211> 165
<212> DNA
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<400> 2531
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gagcagggggg ggcaaaaaaa aatctcaaga agcaggggtct tcaagggaaa agtaaggatat 120
ttatgttggt cccaggaggt ggtcactgag tgagcaatct caagg 165

<210> 2532
<211> 186
<212> DNA
<213> Mus musculus

<400> 2532
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aacatggaaa tttccatttt taaacattaa attttctatt attgttctat gagtaagttt 180
ttacca 186

<210> 2533
<211> 131
<212> DNA
<213> Mus musculus

<400> 2533
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 acaccagga a 131

<210> 2534
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 2534
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 ggtagtcagg ccgtag 136

<210> 2535
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 2535
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 gccagggcaa agaaaatgcc ttgacatca tctacccccg tgcagagggtg gg 112

<210> 2536
 <211> 67
 <212> DNA
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<400> 2536
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 tttcact 67

<210> 2537
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 <212> DNA
 <213> Mus musculus

<400> 2537
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 tcagggtcca atcccagacc tgttacctt 89

<210> 2538
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 <212> DNA

<213> Mus musculus

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ttactcatcc gtgtgtccat acatct 86

<210> 2539

<211> 70

<212> DNA

<213> Mus musculus

<400> 2539

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tgcatatggt 70

<210> 2540

<211> 58

<212> DNA

<213> Mus musculus

<400> 2540

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<210> 2541

<211> 194

<212> DNA

<213> Mus musculus

<400> 2541

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ttccagggac agattctctt tgttntggtg gacagcggca aaagggaaaaa tggaaagggtg      180
atntcctatt tcaaantaaa agagtntcag ntgccagntn ntggccattt atgagtntgt      240
ggatgacaag tgggacacan tgcccatngc agaggttacg gtggagaagg tccgaggntt      300
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<212> DNA
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cattcctcct gggagcaatg atgggacaca atttccannt ccacaagtt ctgaatcttg 360
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aagagataat aaaaaagaac tgggcagact tccgttaact ttaattatga aattgaaata 480
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 tcattatagg tatgttataa ggatggatat ttacttggc tttagaatgt ttttcaagaa 180
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 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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 <211> 559
 <212> DNA
 <213> Mus musculus

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

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 gcctggttcg tgtagatgt 559

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 gcgccttgcc ttaacaatcc ccagacagtg ttctctcaag cagtgttcca gacttggttg 180

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aggatatgtca gcacttttgt cctgtaactg tagatctgtc tcaattgaag ttaactcact    360
a                                                                    361

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 cagctctaca ccattgacca cctagaaccc attccagaca catgatactg ataaaagtgg 180
 tcattactgt cacactgccg cctttctgct tgcaggaagt ccaggccntc tgtgagaagt 240
 ccctcctgtc acatgagtat tggtaggggt ggggataagt ttgtgccctt ggctgggtcag 300
 gncatgatgg gaaggaactt ntnttnntng ggaccnatct tnatccactn tccccactc 360
 ancctcttta ancantgcta ttcataatat gctacagagg tgtnccttct cattaattnt 420
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<210> 2548
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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

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

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 tgcctcacga gtgacactga cctgtacagt gactgtctgc gttccttctg gacctgccca 180
 cactgtggcc tgcacatgcc cttcacaccc ttggagcgca ttgctcatga gaacacctgc 240
 cctgaggcgc caggcgatga tccagggntt gaggaggctg ctctgtcacc accacagaag 300
 acatcagccc tgcagaggcc ctaccantgc caggtgtgcg ggcaggantt ccactttacc 360
 ccaactgagg tactaagaca tcgaaggcag cat 393

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 <211> 306
 <212> DNA
 <213> Mus musculus

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 ctttcaaattg tattgtggag atagtcaact tcaaggccaa ttttgaaccc ttggtactga 180
 ctctggctgc tatgaattct gttttacttt gactataaat gatcagaata actccagagc 240
 actgtggtgt ttctgactgg ttgaaattga tgattgacat taataatgat ttcttgccac 300
 ctgaac 306

<210> 2550
 <211> 566

<212> DNA
 <213> Mus musculus

<400> 2550
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 cattccttgt aaattgagtg attcttaatt tcttatctgc tattcatgta cttgtctctg 180
 ccaaatgaat ttacgctgtg attcttagga aactagtgtg aagacttgtc aagttgaact 240
 gggcaacact cctactgtgt tatctctagc tgctggtgcc tcccgtggcc agtgttttgt 300
 gtgtttttctc cttgtttaag agcaacattc ttgtatggag aaaggcttgc tctggctaaa 360
 atctgtgaaa agcagatttt ctcatctaaa atagtgttac ttttgtggaa attttaaatt 420
 tagcttttat ctgaagtgcc ttaagtagat tcttaattta cttttctagt actggtttga 480
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 taaccaaata tctggcttac tgcttt 566

<210> 2551
 <211> 392
 <212> DNA
 <213> Mus musculus

<400> 2551
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 ttgacctagc cccttatccc ttttgaataa agcaacatgc atcttttgtt gttaaatgct 120
 tcttttttga agcattttct cgactctatg aatcccctat ttagtctgcc ttaaagtga 180
 acaacgacca gtgaaccgaa gcatgacatt ttaccagctg tgcagtgggt agctaagtgt 240
 gtcttgagat gttagcatca tcatgcactt aaacttgaca ctagggtctat ttacaaacc 300
 ttaacaaaca aaacagatgc caccttgtag attatcctgt tactgagcta aaaatccaaa 360
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<210> 2552
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 <212> DNA
 <213> Mus musculus

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<222> (401)..(401)
<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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 tcagcactcg ggaggctgag gcaagcagat ctttgtgagt tcctggacag caagggctgc 180
 acagagaaac actgtctcaa acaacaaaac aaaacaaaac aaaacaaaac aaaacaaaac 240
 aaaacaaaac aaaaatgaga aggaggagga ggaagaagga aagaaaagct gcagtagcag 300
 cccctgctgc ctaccctaag tatcctgggg gtgncgggta ttangatngn catgagcgct 360
 tgatcntccn ttntntnttg agcacattnt aagcaagtnt ntttgggcag attntcntac 420
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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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<223> n is a, c, g, or t

<400> 2553

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ggggaacgga gaagaccagc agacagcctc agtgccgggc cagaggggct gtggncaaga	180
atgttgcgaa gtttaggggc gccattcctg tgctgagatg tcagcgtgag cctacgagtc	240
ccaggtnitgc gctgcctctt gccatcagcc agtgcctctg gccaccgtct tgccgtgggc	300
catcgtggtc tttcttgttt actaataggc atgattgttt gtggtaaagc agggattccc	360
tttacaagag cagctacca ncttaacaat ccagtttcct gaagaaaccc acccaccg	420
agaaggagag gaagggacgt ggcagggttt gtcaattcat agactgtttc caaaaagaat	480
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<212> DNA

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 tatgaccagt tccgnnnnnn nntggnaaat ccctaccggn agcccaagag cantgaagng 180
 nntnngnnc ngaacnngn ntcagnatng aagncntct gctntcaggg ncaantnga 240
 tacagtggag gnctaggnt ntcactttc acagggctgg gtaggctgaa ataatggcta 300

<210> 2555
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 2555
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 gtgtctttga gatccattg tggttctctc gacaggagaa acgaatgctt acttctgtgt 120
 gattaggcca acgtttggga agccgggcac ctgccatccc acagataacc tgctggacgt 180
 ccacactctg ttcttctcgc agttgtcctg ttt 213

<210> 2556

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

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

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 caagttctat gccccatggt gcagccactg caaggagatg gctccagcct gggaggcatt 180
 ggcagagaag tacaaggatc gtgnnggaca ttgtcattgc cgagttggat gctacagcta 240
 atgagctgga ggccttctct gtgctcggct atccactct caagttcttt cctgcagggc 300
 ctgaccgaaa ggttatagac taaaaagca ctagggacct agagacattc tccaagttcc 360
 tggacagcgg aggtcacctg cctaaggagg aaccaagga gcctgcagcc tntgccccag 420
 aagcacaagc caattccacc ttgggtccca aggaggagct gtagccattg ggacactgta 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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<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> (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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tagctgttgc tgcagatgaa ccaccatacc aagcacagtt gttagaataa gagcaagacc	180
agtgcagagt ccacactgtg gtatacatct ggaattgcag catTTttgggc aggaggatta	240
ttagtttgag gccagcctat gctacacagt gaaaccctgt cttagaataa taaacatgcc	300
atggtgcctc acacatgtga accccaacac ttggtagggt gaagtgggta gaggttaaca	360
tggtttacgt agtgggtgaat tntaggcaag actgacctag nccnaaaccc tatccaaaga	420
gcaantcctt ccccatggc ttcccgatat tgtacctnt tccatgacac ctntttcaag	480
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<211> 290

<212> DNA

<213> Mus musculus

<400> 2558

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aacaatagac gtataaagta ttaatacaaa tatcactgtg accttcagct gacagggttg	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 gctaataaat taccattag ttacatata 180
 tatatgtata tatgtacata cccaacaga gaatactttc tgtatctgac cagtaaattgt 240
 attatagaaa aatagcttcc tttctttttt ataataatg aatacctcat ttttcccaa 300
 aaatgaatct tgtgatttcc tatattcatt gagtcaaatt gctttaaatc taatctcagt 360
 gtatctttat ccctagatgt tctaacaatc ttattctaaa aataaattga taatcattgt 420
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<210> 2560
 <211> 406
 <212> DNA
 <213> Mus musculus

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 atctacctgg ctctgccctc catccagcag caacatgagt ggatcctgat gctgccacgg 180
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 ctctacacaa tgtggggcctt gagcttcgag cagggttggc tgagtttcct acctgtgac 360
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 <223> n is a, c, g, or t

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 ctcaagcatg gccctctcta cagactaatg tcttatttag ggtctggctt ggcttcccag 180
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 aagtgtccag gcctcagcag taaatatntg caggatgtac ccagacacac actctagaag 420
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 atggtcagt 489

<210> 2562
 <211> 490
 <212> DNA
 <213> Mus musculus

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

<220>
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 <222> (339)..(339)
 <223> n is a, c, g, or t

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 ggcaggactg gggccctcag gaagtgatgc ttagggcagg ctgagagctg cccacagtgg 180
 aataagcatg gtgatcgtgt cttgggtatct ttaactggcc aatagagtaa ataaaaagca 240
 taggcaaagt atagaggggt aggttagccn tgtttgtcag agttagagga tgaagggatt 300

attcaggggc agttgctgat gttgaatcca atgccagcna actccattcc tcagtgtctt 360
 tttttttccc cctctataag caatttacat tgtaaagtga ttttgacata gaaaccattc 420
 tgtattgaaa ctcttgctat aagatgtttt tatgaaagcc tgtaagtggc ccttggaatt 480
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<210> 2563
 <211> 510
 <212> DNA
 <213> Mus musculus

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 <222> (251)..(251)
 <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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 cttggtcttg ccgtgtgatg ggatgtgctt gtaaattccag tatcaaatca gctttgtgta 120
 tatgtgtgtc tctgggggtgg cttcttcctt ttgctgggtca ctagactgtg ttgaacaacc 180
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 tgggggggacc nagctgctct tggacaagtg gctgagctcc tgtctggcct cctcttttcc 300
 tcctcctcct cntcctcctc ctctcctcc tcctcctcct cctcctcctc ttctcttcc 360
 ttctcttctt ccttgtcttc ctctcctctt ttctttaagt aatttgtgtg tatttctaac 420
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 cctgtgactt ctgtctgttc tgtattgagg 510

<210> 2564
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 2564


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aagtttgtct ggtgctgaga ccgtaaaatt tctgattcct ggcaaaaaat atgtagccaa      180
tacagttttt cattctgttc ttgctgggct agtgtgtggt cttggaacat ggtatttgct      240
cccaaaccga gtaaccttgc tgtatggcag ccctggggcg actgctgtgc tctttgtgtt      300
tggggtggata acactttgca taggagaata ctactcatt gtaaaccaccg ccacagagac      360
agcaacattc cagaccaggg atacttacga aatcactcct ctcat                        405

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

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ggaaatgagt ttctgttctt aaacctctgt ccactgctgg acaagaaggt ctcatctctg      180
ccgtggctgc ttccttactg g                                201

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<212> DNA
<213> Mus musculus

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<222> (198)..(198)
<223> n is a, c, g, or t

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<400> 2566
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agtcactacg ccatttttcc agcttcatat aacctttttt tgtttgtaaa ttttacaagg      180
ggtgtgtgtg tgtgtgtntg tttgtgtgtg tgtagtagc accatattaa gtcttgtaa      240
aacatctgat atgcactgct caaaaatgag tacctcagag aaatgggatt taatgaagaa      300
accaagaaga tattataaaa acatcccca aaaggaatat aaagggggag ctagagaggt      360
gtctcagtgt taagaatggg aactgctctt acagaatgcc agagtgtgct tttcagctcc      420
cagcttgggt ggct                                434

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<210> 2567
 <211> 383
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (104)..(104)
 <223> n is a, c, g, or t

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

<400> 2567
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 gtgagccagc caagggctgg caggagctgg caggccacct cggn taccaa gctgaggctg 120
 tggaaacat ggctgtgac caaatgccag cctataacct gctaaggaaac 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 ggggtggcact gatgtgacag 180
 gtgatgggga acagaagaca caggttgcta ctgttctttg tgaagcagtc agcgctcgct 240
 cggcactggt tgatttcatt ggagggtgagg 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 cctccccctcc tgtgccagac tgaggaaggt 120
 ccctgggttc tcgtgggcat ggctgttcga ggaaaccggg agctgtttgc agccattggc 180
 cctgaagcta catggatatc gcaaaccgtg ggagaagccc attttcttca tctcggtggc 240
 tcctcctact ggtctcctga aggcagtgac ctctgcccc aagacttagc aggggtctgct 300
 agctccccta aggtcactgc tctgcttctg ctc 333

<210> 2570
 <211> 468
 <212> DNA
 <213> Mus musculus

<400> 2570
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 tctatcctgg aagattttta acaaaggga aaaccaacag caataagtca ttggtgagca 120
 gctaactcgc tcattgatga gcagctaact ctcacacaca tacacacaca cacacacaca 180
 cacacacccc gacaccctgc tttcataca gaactagcca atgtaaagat gactcacatg 240
 taaatacttt tttccatttc acaccgttgt attataagtg tatatggcga ctccttttcc 300
 agaaactttt cttacctgtt ggttgtcttg tttcctgggt tgtttttaac tgaagacaaa 360
 attgctcatt tgccagaggg gacagaagca tcttggtggca 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 tcttttcttg ttattttaga gtagggatca gatgctgtgt gctctttcta      240
gcagtaagta tagcctgccc actgtgatgc ctcactntgt gacctctcac ttgtgtgacc      300
cccagacttc tctcatgttt ggtatcattt ttttcttctt ttaaagtcct gtcttcttgt      360
acctga                                          366

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<210> 2572
<211> 535
<212> DNA
<213> Mus musculus

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

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

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<220>
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<222> (446)..(446)
<223> n is a, c, g, or t

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<400> 2572
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gcctggatta ggtctggata gtccttggt cctcccaaca caaccctcac ctngttccat      120
cagtgaagttg agaagggatg cattggagaa gaagaacaaa tagccaaaag tctgggacac      180
gaggtcggga tgcagctcac actgactggt cagttctaga gctgcctgga acacaccag      240
agtaggcctg agcccaggcg gcatggcctc cagctntgcg ccaggccctg gcagctctgc      300
tccagctgtg aaagggttac tgtccaggag agctggcagt gttgaataaa gagtctgggg      360
gaggaaacag gcaacaacca gagagtgaca atcaataaag acaatgggga attccatcaa      420
gggcttctgg gaaatgtagt ccatntaca ccattcccag gtggctccct gatcaatccc      480
ccatttcctc ggtgaatttc tagcaggtat taggctccct ggaagaatct gtcct          535

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<210> 2573

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<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

<220>
 <221> misc_feature
 <222> (258)..(258)
 <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

<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 gattctcttg tacaccggca 120
 acatcgagat ctcgcgccag gagctggagc gtgactacgg cctacgaccc tcggcgattg 180
 cccgcctggc gcgcaagctg tcccgtcgct ggtcggcgcc cgccaccgcc agtccccgga 240
 ccacagccgg tntccgntc agcacgcaga gcgaaccgcg cgccccagcc ntctctntcc 300
 ggctcccgcc gcgtgcgcct gcagctcgcc acgcttgagg cgggggtccgt ggcggcaggc 360
 acgggcagcg agtgagcccc agaccacctn atcctccgga cctgactgag acatgcagct 420
 tcctgtgca tcactaggcc accaggatat ccacctgtca cctcacttgg ataaat 476

<210> 2574
 <211> 483
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

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 accaggcaac gctggaactc ggagaaactt agggctcttc ccctgagtgt tgggtgtgaaa 120
 ggtgtggagc cagtttgcct cccctgagtt acttaacttt taatctctgg ctatgggggtg 180
 tggttgttgt tgttgttgtt 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 agttaaaagta 480
 cag 483

<210> 2575
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 2575
 aaacctcagc cagatatggg ggtgcagttc tataatctta gtactcaaga ggttgagtat 60
 tgctttaaga atagcctggg ctatccttat agtaagatcc tgtctcaaaa cacacaaaac 120
 aaaacaaagt agaaacccaa agactagagt cagaaattac agcttctcat ggccaccagg 180
 catttagctg tgtctgggtc gaacggttgc ctgcaaagca cggggcttaa gaaaacccaa 240
 tactctagat cttacatagg gtagagaaaa acattttagt tgtgtgtgtt tttcaggtat 300
 atctgtgtac cacatccctg cttggtgcct caagagtcca gaa 343

<210> 2576
 <211> 522
 <212> DNA
 <213> Mus musculus

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 <222> (254)..(254)
 <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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<221> misc_feature
<222> (265)..(265)
<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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<221> misc_feature
<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

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

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<223> 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

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

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

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<220>
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<222> (328)..(328)
<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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<220>
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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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<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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<223> 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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 <222> (472)..(472)
 <223> n is a, c, g, or t

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 <222> (496)..(496)
 <223> n is a, c, g, or t

<400> 2576
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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
 nngancccac nctancccn ngnnattntg ctgaggntcc ccaatcctnt ccttcccaga 360
 ggacttgttt ctncantcac catntccttn tgcatacctgc tggatcagg 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 catttgcct tccatccttg cctagaaaag 120
 ttctgtgagg aatattcccg tgggttctga tgggccctcc caggagtgc ttaaattgtc 180

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ctctgaggggt caccttagta gttaagtatc tactgcagtg tgtctgcttt tgatgacagc   240
tttgtttcag agctccctcc aaggctactg aaatctgtat gtttatactt ctaaactctgc   300
ctgagtgacc ttgaaaaggg aaccagtgtg tttaggagaa aaaagcaaca ggatacaaac   360
caaagtctta taatgtggca gagttgaaca tatgttagtg tctccttccc a             411

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<210> 2578
<211> 554
<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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<220>
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<222> (83)..(83)
<223> n is a, c, g, or t

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

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<220>
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<222> (97)..(97)
<223> n is a, c, g, or t

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

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

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<220>
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<222> (144)..(144)
<223> n is a, c, g, or t

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

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<220>

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<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> (271)..(271)
<223> n is a, c, g, or t

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

<220>
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<222> (297)..(297)
<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>
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<222> (309)..(309)
<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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<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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<222> (347)..(347)

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

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<222> (361)..(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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<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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<221> misc_feature

<222> (423)..(423)

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

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<221> misc_feature

<222> (507)..(507)

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

<400> 2578

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ggctgctggg aatgtgtcag ccncncctcc tccccngct ccncgcctt ctggatctgg 120

cacaagtaaa atagacaant atgntcgtat tctcttncca gtcacatttg gagcattnaa 180

catggtcnac tgggttggtt attnatctaa ggacaccatg gagaaatcag aaagtctaatt 240

gtaattttgt tgctatagtn atttcataac nacgatggaa atacagactn tcttttnaaa 300

tntttttana ggtaantatt ctttactnnn natananatt ctatgtnatt ttttcactta 360

nnnanaatac nantcagata tggagagagt taattaactc ttcagtggct agaaagtga 420

ccntcttttct ttatagaaag atagcttttaa aagaatctat tcagtgttca aattggatag 480
 aacacagagc attatggaaa gttggancaa gagaaataga gctaggagag atatgtggtta 540
 cacccttttg catt 554

<210> 2579
 <211> 480
 <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> (200)..(200)
 <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> (362)..(362)
 <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> (390)..(390)
 <223> n is a, c, g, or t

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

<400> 2579
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 gaaggaggtg gagacaggag agagcagcta tgaattagct ggagaaagta tgggcaagaa 120

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tagtcctttg gcattttaac ccagtagaag acctcacact ggtggcagaa ggggcttttt 180
tttttttttt nctcttcagn tgtctccctc actttttgtc atttccacta gataaaacca 240
gtttactagt ggcctagaga ctcatatctg acaggggaca gatattttaa tgctgatctg 300
aatgaggtgg aaattaactc agcagaataa cactctttgt acacncctca atacttttgc 360
antcctcctc tncctttgt cattatgttn acaataaatc aaaaaagtac tctttcatgc 420
ttgaaccnat acaggctgaa tatccttttt ctgaaatgct tgggattagg actcattcaa 480

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<210> 2580
<211> 441
<212> DNA
<213> Mus musculus

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<400> 2580
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aaagcacctt ccctgaaagc agccttagag ccctctctac ggccaaaccc cgatctttaa 120
aaagacaaaa tttccctgtt tacttgcggt tcttgccctc ctctttgctg ggccacattt 180
gagcttgga aaagcttgaa gctgagatgt gttcttaagg gccagaagct gtcagggctt 240
ttggtgagca agattgatca caccagact tccttcagag ctttgtttgg aataaaagca 300
agaaaactgg aaaaaccctt acattttcca aaatagcatc tctatctgca aggtaatgct 360
cagagctggg caaggctgga gaccacttta gagccaaacc ccctaactgc tagctagcct 420
cagagatgga gttctgccct t 441

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<210> 2581
<211> 552
<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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<220>
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<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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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

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

<220>
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 <222> (318)..(318)
 <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> (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> (527)..(527)
 <223> n is a, c, g, or t

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 gcgttattgt ggcgccaatt tttggacaac aagggtgctgc tgtcctccgg taanaccntt 120
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 ctgggaatgc aaaggatgcg gcaggtgctt gaaggacaat ctcaagtggg agaagatgcc 240
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 gtaagccata tgtgatggct actgcctgtg gtcagggcctt gagaagctga ggcaggagga 180
 ttacaaatct aaggcatctg tggtttcagn ggngactttg aagcccatct ggaccacaga 240
 gtaagaccgg cttttgttct tcagagaaca taaacaaaag aaagtatatg ataattatgg 300
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 ggaagcaaag ctttttacca aaagtagact taaactttga gtttttacgt tgctgtttat 240
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gtgaccagcc ccccaaaggc tgatgttagc agccccaagg ctggagctga ccctgaaagc 240
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342

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 tttncctttt tcncttcttn tcttttcttt ttgttttttt ttttttgttt ttgttttggt 240
 tgtttgtttg ttgttttggt ttgtttttca nnanannann angntttctn tgtgttgctt 300
 tgnncccnt ngaactcact tngtagacca ggctggcctc naantcagaa atccaccnnc 360
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 tgtttttttt tttttngttt tttntttggt ttttttagag aaacattttt ttttcttta 480
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tcctttcgga agctgctgct gctgagcctc gtttctggag ccctgggact ggggggtgca 240
gccctggggg tggggctcag cttgggccct gtgccctca cccctgggt gtttgggacc 300
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cctgagcccc tgctgtgtt ncangtgnt ntgcaggggc tggggctgnt antggggggc 420
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 gagttccaga ttattggant cttatttttaa tttattttttc tccgttggaa aataaaacag 180
 gaaaaatgat ttaacatcca tctcacagag ttgcttgact gtttagttcc aaggctcctcc 240
 tgttcagctt ctgttgctcg tcttgttcct gctctggcct gctttgttgg taacaatgct 300
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 tcctcttttag ctagaggtaa gtgtgggtgt gtaggaaaac aaatgaagac acctaatagt 480
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 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 ggggtctgggt atttgaaagt 360
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 gtcacagtgg tttatgaagg gaatgagaaa ggttcaggaa aatactcaaa tccaccatcc 180
 atgactgagt ttctctgcaa acagtgccca aaacttcata ttcactttga tcgtatagac 240
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 ataaaagata ggttgctcat agagttctat gattcaccag atccagaaag aagaaacaaa 360
 tttcctggga aaagtgttca ttccagacta agtgtgaaga agactttacc ttcagtgttg 420
 atcttgggga gtttgactgc ngtcattgctg atgacggagt ccggaaggaa actgtacatg 480
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tncaagtgat cttcaggggc aaagcatcna cnnctntctg ctttccctgc ntcagcctgc 180

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aggtnagggg agtccaacta ctagtntggg atgatggcgn tcctagagaa gagcctgtgg 360

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 ttgtggtacc gagtgtccct gaggtctggg tggtcttttt caaacggtaa attgcagggg 180
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aagaatgctt gnggaaaaac atgcttgggg ggctgcaagg naagggctctc cantgtgggc	240
caccgtgcct ngagcccaga tgcngacng gaggaggagg caggtttaan tgtgacntca	300
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cagatagctg tctcacatat agctgaagct gtctgggctg ttcagcttgt ttcttgctg	180
aatgcaactg acaagtggag agagaaaagc attcagcaaa atactcagga aacttgctga	240
ttttatgatg attcacaacc anccatncca aggccacttt tcttctgata atctactcat	300
gttaaagtgt tcggggccat attaatatcc tnnnnaaaaa aaaaaaacta atgactggcc	360
tttcacacca agccaaagtg ttgtctctc atatcaccca aagcttatca tnttagaact	420
tagaattttg aaaatgaaag aaatgatata gtcaaaacaa gaataggaac agaagacagg	480
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 tgtgcttcag tctcccagga aactggaatt acagggtgca attttgggcc tggctttctt 180
 ggattcttct gaacagggca ggaaacaatg taacaataac ggtgggtggt gtaggagatg 240
 agccacagct cagaaatcgc cacagctcag aaatcgctga accggtcctt ctgctgggga 300
 atggttttta ttgtgaatgt gatagggaaa agaattccaga nncatntgga aganttngaa 360
 ncagagagag aagtagactg ngnatnggcg aggtngtctn caagacagng tgagagagcg 420
 gggatggggg ggtgggggtg ggggtggggaa atcttgacga ttntgtcacg cccaaaagaa 480
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<400> 2596
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 gtttaacctc tgggggactc ttgagttggt gtataaagca caccactgat catgtctacc 180
 atgggagagt attttcacaa agtatctcac agagaacctg gaacatggga gccattctgc 240
 aagtgtccct caaccctctt gtcacttggt tgggagaagt aagagaatat cacatagaac 300
 aaagatgaca tcagtgtggt tgttcttgac catccccctc tcagggaatt tgatcaaaga 360
 tttgtatctc attatcttaa gcccccttg gataccaaac tgaggctagt gtacatatcc 420
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 tcttactggc aagttcatct agtctgctgc tgtggcattc tttcactggt gttagaacct 180
 acttcttcat gactgaagac tagctaaggt atccagccat gtggactgaa taactactaa 240
 atttatggcc tttttttttt ttttgagca agagatatc attgttggac tagacagaca 300
 acagcctntn agccactcta ataaatnacc tttagnanaa tattctttcn atcagttctg 360
 tttctttaga gatccctgat taatacagag aggctggagt atatagatga gaaaaggact 420

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470

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 gtaccctgcc tggacagctg acagggcttg agactgcaca catggcatcc cgattgctcc 180
 ggattccttt aagggcctca agcttataag atggaaggga actcatgtgn ccacactttc 240
 ctttggnggc caaganaaat atntcattcc ntcccacaga tccttaccba gggntgcccc 300
 atgcctaagg acntcagcag tgatgggttc cctgactgtc aggagcactn ttgtggntgg 360
 atgacaantc cntccagatt gttgtagant ggaccagctn tccatcttca gccacgcttt 420
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 agccctttat tgactttcca tgtg 504

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gtcatttccc tccagtacac caggggacaa acagcaatta attaaaagcc tacaaaatac 180
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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 caaaggggtat gaaatgaatg tctcagaagg aaaacgccct ctgttaaaga 180
ttctacaggc ctggtggact gattagaagt tcatggttgt ggagttggga tgttgcagat 240
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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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ggctttgcct attggtgagt tggcagtcg tctgcaggct ctagagcacc ctttggagcg      300
acagttccag gatgtatcca ggactgggct tcaggaatth aggaagtagt ntactactta      360
attcagaaaa ttaaaaagat ttttngttag caaaagtggg tcaacttttt ttaggggtgtg      420
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tatctcttat tgggaaaatt gatttatttg tacacaaata tgggtgttatt tttagtatgt      180
aataaatttt gatcatcagg aaaagaattc tgaatgaaat gaatatggac tgaaattgtg      240
aaatgaataa attttattga tcattacatt tttaatgact taaattttga tgcttcttta      300
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ataattccaa ggcttgtcag tcaattcagg aacattccag attatgttta ttagccttct      420
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gggtgttgctg ttttctgcc aattcacca atgtaatatc attttcctta taagccagac 240

attgtttctt agaacgttct ttttaacttc tttttctcta gtgttgctac catgggttag 300

anntcatgat cnnancattn tnaaatttna gacatcttnt cttacatttt ctggaggttt 360

naaatcatcn ataatgtgna nagggttaga cttnataatg gttaatgtcc tgtttntcaa 420

atttntgat ctnaggtann tctagaggta caaatttgga taattctttt tttttcctcc 480
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 aatcccatct ttntgtttcn ttttctatta ggaaaaaaaa aantcagtca ctccctcagg 240
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 gaatgaataa gtagagacan tttctctcac agatcaagtt cctccttagg ggcaggatta 360
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 tggaactcac ctaaaactgg aaggaaacca atcccataaa gttgtgtact gactccatac 180
 gtgccacgtc accgcccccc atgtacacac tgtaagcaca cctgctaata ataaaactag 240
 ggtatttgc ttcagagtcc ctctactcc tgaaagttca agaattgctt ttaaccatac 300
 ttaaaaattg ttttatgctg tccctaaaat ctgagacaaa gaggacaaga ttcattgatag 360
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<400> 2607
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ggctcttcttc gcaggggagc acacagatct gcctcatggc tggatcgaca ctgctatcaa 240
gtcaggactc aggggtggcaa agaacattca ggaatctgtg gacttggctt tgncaaggaa 300
ccccagnnan acnaaagaat anttntccaa aagtganctn tanacaacta tacggncccc 360
aggnantagg aggnnttctaa acaagtttgt ccatcaggag acaatgcaaa acccactctc 420
actcatcttt nccttcgctc tgagacttga cctgaggccc acgactggag acctaagggtg 480
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<220>
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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
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<210> 2609
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 aatnnaaang ntagagtnta ttngtgcatt tacataaatt tatatatatta nntatatata 180
 tatataatat aaatatnana aataaaaaag ttttttcaat tannaaaaaa gacagaggct 240
 atcaacttga gaatagaagg ggaatgagag ggattcaggg ataggtcact aggagggcct 300
 gganagagaa gccagataag tgatacagtt ctattttnaac ntatnanatg aaaatanata 360
 tatatatata nnanacatgt atttanaaag acattgttgn tcnnaaaata tnagnncnanc 420
 nnatnnnaaa catttaacct tttctttttc tggatgaatta aattaactaa catttgatta 480
 ttgaaataac ttccgagttc tcnaaatact catacagtca aggaatttaa tgtatttttg 540

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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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 tcccagaaaa acaccacatg tctgttttca gcaaaacacc ctgccngcct tagtaaaaca 120
 ttctctcata tgacagtttc cagaaaaaca tcacangana caactgtgtc tccaaagaaa 180
 ccagaaatgt ccacttcacc tgtgatcttc ccagagggtt aatactgtgt tgctaaactc 240
 tctttaacac cagaaactga gttcaacaga ctgtatgtgg taactattcc ttcacgtccc 300
 aacatcagat gggtaaacag aagatgagtc cagtgaatcc ttaaactgtc tcatggcaaa 360

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agaccggata gaaaaaaaa ntaatgtttc acctaaaagg ctcatTTTTat tttntctaT 420
tttttaattg aaaaatgagg gggTTTTccc taaaatatac tctaatacatn ttttcttttg 480
tcttcatata atctntagga gaaaaaaaaa accctcatat tatctcagta g 531

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<210> 2611
<211> 471
<212> DNA
<213> Mus musculus

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

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gcacatgggc ttgagttaat tatctccagg aaaagtttgc tgaattgtgc tgtacttaaa 180
tatgcctaaa aaaaaanaaa nnnngaaaaaa aaaatctacc tagtgtccga ttcctaaagt 240
gtgaaccaac actgacttct gagtcctggt gaaatgaact gctttcttac ctctccaat 300
gttgctctgc tggccatggt tgcagatggc tctgcaatac cagacattgt cttctcatta 360
gactatTTTT agttgtgggt atgcgttttg tattttagct tcattgaact acatgcagta 420
ctcttctgag gaaatgacaa aggggagatt aatatttctc acgttcacta a 471

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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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 tacctgctac ctcctgaggc tntcagggag caggagaatc tgaacatgag tggcaagagc 180
 tgggtactga tntntactac ttcgccccag agcctggaag atgagattct gggacggctt 240
 nntgaaaatt ntnttcgttt tgttcgttga nttaatgtcc attatgtatn tcgtcataac 300
 gtcctagcaa cctga 315

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 <213> Mus musculus

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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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 <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 agtgcggtgag cgaataatit gcgtgatgtg cacaggatcc 180
 gtgcgtcttt caggctggcc acttaattca aacggagtg ggaagcttcc tggaaggagt 240
 gtcctcagga ctgagtctca agagatacag tcttgccctg ggtttttagag tagccactgt 300
 ttccctctcc tnngggnata gattgacttt nagacncagc agctgattgg aggcacanc 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 gtccggttga tgtaaggcgc cagcctgtc 120
 tggagccaag agcccacgaa gatctcgggg ttttcttctg ggctacgggg aaagtggccg 180

gaagatgaat tatgtccac tgaccagaga tgagagatca catgtagctc attgat 236

<210> 2615
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 <212> DNA
 <213> Mus musculus

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

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

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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 atattatatt aaagtcaaaa tggtaaagat tactgaatat 300
 tgtatttttag tcttgatcaa taaaaaataa ataaagagat tttttgaatt tcaagaagat 360
 tataaatgaa agcaagacaa caatgtattt tccgagtctg caggagaagg aagcaaaaca 420
 tgttctagtt ttatagctgc tgctttgtta agcaaagag ntgnttcaca atattcaaaa 480
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<210> 2616
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 <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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 aatcagccgc tcacagtcca ggtggtcttc tcaaaccgcg tctcagagcc ggttgaggac 120
 tgtgtgctga ccttggaagg aagtggcttc tttagaaagc agcagagagt tctcattggc 180
 gtcctcaaac cccatcacia agccagcatc actctgaaga ccgtcccctt caagagtggc 240
 caaaggcaga tccaagctaa tctgaggagc aataggttta aagacatcaa gggctacaag 300
 aacgtgtatg tagacattgn cttataaant ctgagacaga ggctggagag atggctcagc 360
 ggttgacagg atgtgacant cttttgcaa ggacttgggt tcaattttcc agaaccaca 420
 aggtggctca caatcctctg taacccatt ttcagg 456

<210> 2617
 <211> 323
 <212> DNA
 <213> Mus musculus

<400> 2617
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 aaccagagca cctgtaccaa ctacgacacg ccactctggc ttaacacggg caagcccca 180
 gcgcgtaagg atgacccctt gcacgacccc accaaggaca agaccaacct tatcgtctac 240
 atcatctgcg ggggtggtggc tgtcatggtg ctggtgggca tcttcaccaa gctggggctg 300
 gagaaagcgc accggcccca aag 323

<210> 2618
 <211> 321
 <212> DNA
 <213> Mus musculus

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 gctcttctcc ccagatgaat tctcatagta tcacagaagc gcgcagtccc gatcgatact 120


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ggatggcaga cgtgctcccg ccgtcaagtg taggcacagg gcggtggatt tagctgccct 180
gcagttcgct cgcagcttct catcagctca gtactggcgg agggacgtta acccgttccc 240
gcgcggattc ccgccctgtc gcggtggccg tccctcctct gacctcccga ggcggccgag 300
cctttcagag cgacgcccag g 321

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

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

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

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

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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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gtacattaga gcagcatatg aggaaggcac tcccacacag tattaagaat gaaaccaagc 180

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agcttgtatt aacagaagga gcagtcttct ccttacctgt cttacataac caacctcctt 240
actcatcaaa tattcagctg caccctatg tcantgtatg ggcttagtat acctcaacta 300
agtaatacaa agaaataaan aagtgcctatc tcctgtaggc atncttgga caccaatac 360
ttggtgtcaa gacactgac tgagctaaat gtctacaact tttctctatt aaaagaccga 420
ctttccaaga gttagcaaatt tctccaaaca gttctatact gaaaaactan ntgaagttgt 480
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gga 543

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<210> 2620
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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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<220>
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<223> n is a, c, g, or t

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attgagtaga ccaggacctc tctgccatgg caaatcacia 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

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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

<400> 2621
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60

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cagtgtctctt aactgattat gtagtcatga tgggtgcttc ggtttgaacg aagacacata 180
ttagattctt atgatctttt aatacatgaa agggatttag gaagagggtcg gttcaccagg 240
agtaaggcgg ggataatgcc cccccacccc catttcccct gtgtggataa tgtcgcagtg 300
ctgccggggtt 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

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<210> 2622
<211> 458
<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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<220>
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<223> n is a, c, g, or t

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<400> 2622
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agacataggg ctggacaagg agctgagagt tctacatctt gatctgcagg cagcagaagc 120
aaatgtgtcc acctggatat agcttgagca tatataagac ctgagagcct 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
cctatttgc t aacctctgaa tttaggtcgg ttccctgt 458

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<210> 2623
<211> 457
<212> DNA

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<213> Mus musculus

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<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> (271)..(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

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<221> misc_feature

<222> (300)..(300)

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

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<221> misc_feature

<222> (315)..(315)

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

<220>

<221> misc_feature

<222> (371)..(371)

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

<400> 2623

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cacagggact cctgctgggg catcttgcta ggagggtccac 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 accgaaccga tgatatgact tgtggcagcc aagtgttctc 360

cagaagcctc nttcttggag agctaattgc acgggggtttc cagtcttttag cttccccctc 420

aggtttccta ctgagccctt tactctttta tatttga 457

<210> 2624

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

<220>
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 <222> (357)..(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>
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 <222> (362)..(362)
 <223> n is a, c, g, or t

<220>
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 <222> (364)..(366)
 <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> (420)..(420)
 <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>
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 <222> (484)..(484)
 <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> 2624
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 aggtccctcg gtggcagaga atcttgtcac tgaggaagct gccctaagtt taattctcag 120
 gatgcatgtg gtggagagac ctgactcgtg agtagtcctt tgacctacac acacacatag 180

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acacacatac acacaaacca tttaaaaaaa aaaaaagctt gtttcggaaa gaataggagg 240
ttctgagtgt catgggagaa ggggagtccc acagtcctgc atggaggaaa ggtcaggcct 300
aacaaccagg ctctctaccc taggcagatt tccgaggcct tcaacaggcc ttggtgnann 360
cncnnncncc cttaccccc ccaccaccac agcaccacag ggatcccgtt cttttttttn 420
tgccacaggg taagaactga gattcttgac caccgcctta ggcatntcac agggagaaaag 480
gttntcaaag cccagcaagg gcttgctgta antttcccta cagcaatgca ggcgcgaatt 540
cccaccttat tcctgggttac gatga 565

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<210> 2625
<211> 145
<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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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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

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

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

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<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

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<400> 2625
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cgngtccatc cagatgaacg tggccgaggt tgataggacc acaggccggt ttaatgncca 120
gtttaaaacc tatggcatct gcggg 145

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<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
 tgccctcatgc cagctttctg cacttcagtgc tcctctcctg caaggcagcg ctaaccataa 360
 gacctcctcg accatgagta gtgtactttc tacacgtgaa ccttttgatg cacttgccctg 420
 caactgagag ttcagctgag acttaagagt gactaaggaa gcattagtga cagtctctaa 480
 gccagcctg 489

<210> 2627
 <211> 459
 <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> (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 gctgcatggt gacactggag gtctcagtag cagtgtgtct 180
 ctctctctca tgatcttgac atttctttct agccatgccc ttccttgccc ttacacctacc 240


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tcactgggggt ctatgctcta gctgcttnag cctcagtacc ctgaccaggc ctggtgcctt    300
aggagcctnt ggctgctcct tggctgttcn tccccacggt gcactcctgc cattgttgca    360
ttgtttgtgcc attgttgca cccctatgct ggcatcagtg gcatcagacg ctgtccagtc    420
catgtggcct tcaaaaggac cagcactaag ttigccagt                                459

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<210> 2628
<211> 502
<212> DNA
<213> Mus musculus

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<220>
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<222> (327)..(327)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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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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<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

<220>
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 <222> (398)..(398)
 <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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 <223> n is a, c, g, or t

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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> (436)..(436)
 <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> (475)..(475)
 <223> n is a, c, g, or t

<400> 2628
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attgtcgaga ttgggtcgtc tttgagattt ctggtgtggt tgtgtgtgtg cgcgcgcggtg 120

tgtatgtgtg	tgtaggaagg	ggggagccaa	cgcggatggc	ggtggagaaa	ggcaagctga	180
gaaggcttgt	cttattgtat	ccagaggcag	tatgcctcgg	gttcttgga	aggtggctgg	240
ttagagccgg	acaggcagct	tttccaagt	cctttgcgat	ggcccttccc	ctcccccttt	300
ggtagctgtg	taattacaca	cccatangac	ttttncaaat	ggtatncctn	gtntgggtggg	360
aattntncag	ngggtttttg	aagacnttt	cctncctncc	aagaaggag	cantnttggt	420
nttttgnnt	ggactnttcg	tgtgagtggc	accttgacca	ccntcgagga	ttgcntcagt	480
gctgctgcga	cccaggcaga	ga				502

<210> 2629
 <211> 417
 <212> DNA
 <213> Mus musculus

<400> 2629	
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tttcaggatt	cattcatgtt
gcagactaaa	ttaaaatttc
	60
attcttttta	agactaaaca
gtactccatt	gttgtatttg
ctacattttt	gcttatatgt
	120
tcattctctg	aagggccctt
gcactgcttg	cactttgggc
tgattaaaat	cgatgtaaaa
	180
ttgtctttta	aaccttgcat
tgtctgcatt	tccttggaac
atatgcctaa	tagtgaaatg
	240
gttgggtggt	tttctagctt
cccggggaac	tccaggctgt
ttccataga	ctgcaccatt
	300
ttacatccca	ttaggagtgc
tgaggcagct	tccctgcac
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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aaagaagaga	agttggattt
ctgggcttcc	tttttctgtg
	60
tagaaacact	ccttgctatt
cttcaggact	cagctctgct
gctatctcca	ggaagagacc
	120
tggcgccccc	aggttgggccc
acagtccctt	ttctgagtgt
gcatgcacct	tgtttctcgc
	180
ttagtgccag	ccagccagtg
ctgtcgtcac	ctgtgcttcc
ccttgagagt	ttggagtgga
	240
gctcagaggt	agaatattca
cttagctcac	acggtatgct
cagccccctg	ttctgtaatt
	300
cgacaacaga	ttgtccattt
aaacagctat	cctggactgg
agggatggct	cagtgggttaa
	360
gagcacttgc	tgcttggggt
caattccagt	cagggtggct
cacatctgga	attccaattc
	420

tgactctgga ctggc

435

<210> 2631
 <211> 539
 <212> DNA
 <213> Mus musculus

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 <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>
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 <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>
 <221> misc_feature
 <222> (474)..(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

<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
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tctgagcttt actggcccta aatggctaca gaaccaagaa agccttcttc agcccatct	120
ccaccagacc aggctcctga agaggatctt gtcattgtca agatagagga ggatcatggt	180
tgggatgagg aatccggtgt gcatgagaac aacacacctg gccagaact gtttcgtcta	240
cgcttcagac agctctgcta ccaggagaca ttaggacctc gggaagctct gatccagctc	300
cgtgcatttt gccatcagt gctgcggccca gacttgaaca gcaaggagca gatcctggag	360
ctgctggtgc tggagcagtt cctgaccatc ctgccagggg agctgcaggc tctggttaag	420
gagcaccant tacagaatgg agaggnaggt ggntaanccc tattggagga nctnnaaagn	480
caaatnaatg tntagggcg 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 tgcagggtgcc cactaagccc agaacagctc ccctggagct ggaataaagc	120
agctgtgagc caccaaagtc gagccctctt caagaacagc aagtgttacc caaccagat	180
tcatccctct agccctggtg tatatgtgct aagggtccgga aagtggtnng taaagaaagg	240
ctaattggggc cggacatgat ggcccacgtg tttaattctca 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 ttaaggctct tttcagctga aaaactctga	180
ttctaagatg tacttcaatt ctgtcaatcg acagctctgc agcttttgaa ggacttgctg	240
gagtcctcg aggaagaagg ccaactttaa tcccttagag ggagatggga gtttaatttat	300
aaaacacaca aacttagctg ctatcagggt ccaggtacag cgcagtgcgt tacctaagca	360
actgataacg gcttgattcc tccaaatgag tgctagggag acgatgatat aagatggggg	420
ccagaattca aaatgaaaaa ccaactgggt aagagaaaaa ttaattatta gggtaggggg	480
ctacttgccc tagatgctag gtactcacia actggat	517

<210> 2634
 <211> 509
 <212> DNA
 <213> Mus musculus

<220>
 <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 tgtcaggggtg actctggagg ccccttggtg tgtggagggg	240
ttcttcaagg tctggtttcc tggggatctg ttgggccttg tggtaaaaaa ggtattccag	300
gagtctacac gaaggctctgc aaatacacgg actggatcag aatagtcac aggaataact	360
aagtgactcc ctcagcctgc atgcagctct gcttagggac cgctctgacc ctcggagcac	420
caaggtctcc tccctcacca ntccaggntc ccacccttgt gagcttagaa cntcttgaaa	480
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<210> 2635
 <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> (245)..(248)
 <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> (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

<400> 2635
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 tgtgtttata taataaagta tatttatattt ttcatgttat ttaatttcat aagcaatggt 120
 caaaaactag catgtgtaag ctgactatgg agncaatagg ctacatgaat tagaaatgaa 180
 tgtatgtttc ttttgattaa aaatatacat atatatatat atatatatat atatatatat 240
 atatnnnnta attttgtaaa ctctgtcttg ttgccactc ctaaattctg agcagccgtg 300
 tattaaactt cgtgtcgttg actaggntna agtgtgcatt tngaaagggt actttnaaag 360
 aattccgaat cagaagtgat gatgagtttg ataaacaaaa atttgtgagg cctaacattg 420
 tgttcggtag ctct 434

<210> 2636

<211> 535
 <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> (116)..(116)
 <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> (150)..(150)
 <223> n is a, c, g, or t

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

<400> 2636
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 ttgctaccta tagtaaccaa gtctgtggct tggagcatgt tggttattgg aaagtntgaa 120
 ggtaactaaa ctgcnactta ggcttagacn gggcctaagc atggttgtct ttggtcctag 180
 acagttgtcc ttggactggg atctaataaa agggaaagtt gatgagtttt ttttttttgt 240
 tttctttttt tttttnaacc tcacaaaatg ctgaggggaag ctttgttcct gtgtgtgtag 300
 tatggctctcc cccgcagcac tttcagtaaa gaggtggact gaagcctgca gtggtgccca 360
 cacctttaat cccagcactt gggaagcaga ggcaggtgga tttctgagtt caaggccagc 420
 ctggtctaca aagtgagttc caggacagcc agggctatac agggaaaccc tgtctctctt 480
 gaaaaaccaa aataaaataa aataaaataa aaagttaact gcctatatct ggcaa 535

<210> 2637
 <211> 561
 <212> DNA
 <213> Mus musculus

<220>

<221> misc_feature
<222> (238)..(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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tatttctaag gcgtcatttg tattattggt tgtgtgactc ctggctcctt ttccctctcc 180

ctgcacgggt gactgaacct agctgctcac ataagacaga caagcctttc ccaccaannn 240

ncttcctaac tctcttttaa cttttgtttt gaaataggag gtcaccggcc gtgaactcat 300

ggctcctctg cctcagcttc ccaggtagcc tgggtgacag gcctgtgcc a cggggcctgg 360

ctatgactct gcttccgctt tctcaanggt ccnntttgct canntnntga tgacacaggn 420

caaccnatnt cacagaggac ntgggggagg ggganntntc agttttgant nttgnctcag	480
gntctggctg ncacctcggn cctccagatn tctgctnctt tcagatntct gtagggacct	540
gaccagacac agagggcacg g	561

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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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gctggagagg cagcaggaaa acctgaagat nttccagagg atgctcaagt agaggatgta	180
agaaggcgga ggtgctgact cacagatgat aaatacatTTT agaaggTgct gcattggTgt	240
cttatgggtg tgaactcctc tgaggTcaaa gcagTccact gccagTggat gtgtcccaac	300
actTgtgcta tgatgtgaat TgtcctTgga aagatctcaa ctaccctgcc TgtctTtttag	360
catgcctTtt tggatgtggT gctaagtgtt agcctataca gaagaaacct gggtacacgt	420
gatccccaaa tatgt	435

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 <211> 544
 <212> DNA
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 <223> n is a, c, g, or t

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gatcactatg aaaaaccac agatctgcaa gcgctacctt tatacagtgc ccngcccctc	120

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ctgccttacc cttaaataatc aatggattcc ctcttaccca aaagctgggc aataaacaca 180
taaagcaaag aaagataaac tttgaagaaa ggggctgggt gttggagaca ggaggaacac 240
atgttataag gtaaaaacag gaaaataact ccctcagatt agaaaggcaa gaaaaattct 300
atgatgaaac aaaactatat ccctaattaa cttaggaatc ttcaaatat 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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<210> 2640
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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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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 caccctttat 300
ctttgcaggt aacagatcca agacattttt atgtanatgg actaattaat tggtagcctt 360
catttgaagc ttaaaataaa agtaatcctt ttggagaggc attagctatt tctaaagcca 420
caaacaattn tcccttaagc accttgttac aattagaact taagttaaca gcagcagaca 480
taatggaagg cgttaccctt tacctaagaa ccttgttttc ccagagtgat 530

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<210> 2641
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<212> DNA
<213> Mus musculus

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<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>
<221> misc_feature
<222> (306)..(306)
<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> (329)..(329)
<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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<223> n is a, c, g, or t

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

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

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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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 gaacatagcc aatggaata gtttcatctt tttatataag gctctcaaga gaagctatca 120
 aaaatttaaa tatgatgcca tccaaatatt atttcatttg tgttttaaat gaagacagct 180
 tttaggagtt gaaacttcta cgttataaaa taaaatgcat tgagtttctt tctctctttt 240
 taactttctc ttgtacttaa aaatatgtgt cttcatgact gtatggnaga tggtntganc 300
 agattnttcc ttttagctcc ctgtgtgtna gnaaaaanat cagagacatn ttntactgca 360
 nagctcaggc acaggacca agctnacatg gtgacatntt tctgccagaa ggactccttc 420
 agntnttttag gatgttcccc cagaatcctt gtgatcatgt tntntgccac tntcatcctt 480
 tttagcagcc cactttctgt acacagtcac gg 512

<210> 2642
 <211> 483

<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> 2642

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ggccgccagc agcaacaaca acagcaacag caacagcagc acctcccggg cttctgtggg      120
ctccatcaac gccaggacca ccagtgacat tgccaaggag ctagaggaac agttctacac      180
gctgggtcccc tttggcagga atgaactact atctccgcta aaggacagcg atgagggtcag      240
gtctctcttg gtcaaaattg acctgacctt cctgtccagg atcccagaac acctgtccca      300
ggagcctggg gttttgagtg ctcttcgnc canggacact natagtnccc canccagtca      360
tncattagac gntcctgctg nnaagacttn gccaaaatcc aagaggaaac ncaagtgcga      420
caacgaagan gantacaggg agataaagaa ggtccaggga aggaaggaga gtgcctcacg      480
cct                                                                    483
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<210> 2643

<211> 292

<212> DNA

<213> Mus musculus

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

<400> 2643

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agaagaattg ttagataaat ggctgtccta tccagagacc cagcacatac ctctgagcca      180
gcatatgctc ggntttgctt tgaagtttgt cacaaggatg gtactgggta gcacctttga      240
agatgaacag gaggtcatcc gattccaaaa gattcatggc acagtgtggt ct                292
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<210> 2644

<211> 358

<212> DNA

<213> Mus musculus

<400> 2644

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aaaaaaaaca aacaaaccag gagccaatca taagtgaggc tgcactcaaa tgcacaatat   120
cttgtctcaa tgagaaatac tgcacacaaa gtaaatactt cattgttctt agaaatgttt   180
cctggtaata atctcaagtg tttgctagag ggaaaatgat aatttctggg tgcatacctt   240
gtttacatgt ggcccacata taaaaatcaa ataaattcat tatgttcgca accagtacaa   300
aagaagaaac aaacaaacaa acaaacaaac aaaaaacaat cagtgaccgg tggcagca    358

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<210> 2645
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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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gagtcctctt tgggtagggt cagtatcagt gggcaagggg cagcagctgg tatgggacag      120
agtggagcct tctgttgctt gaattctgga agcgcctgtg ggtgtgttcc ccaggccctg      180
ctttcttctg tgcccagtca gctgctgggc tcctcatgcc ttctgtgtgc tcacggagcc      240
ccatctgcat gcagtgaaca tgtgaacacc antnntcatt tgagaaggca acacgggcct      300
agatcccagt cctggngctg ntggaggtaa ccagctcctt ggcctaacct gtgcgctgcn      360
tntggcctat gaaaagggtt ntttttctt ttgagccagg caggaagacc catccttttc      420
agaccaagt ntntcccttc ctgttggcca agagtcatgt tagggaactg aggagggctg      480
ctgttcacca aagtctgttt g                                              501

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<210> 2646
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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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 <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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 ctgtaaacac cacaccgact cctctctcct gctgccctgc cccaacctat ttaagctttc 120
 atctgcttcc aagtccccag tggttcctga aaggcgagtg cctagtccag cctgtgaaca 180
 cccattttct ggaatttttt ctgagctacc tgtagccagg catgacatgt agatggctgg 240
 tccagccctt tctcatagca tagcaccctc agcagccttc caaccttctn cttanacnga 300
 gaagccccct caataanntt tgggcanatn tagtgactaa ggggnactta ctttgtcaga 360
 tcgnaacagg atcccaaaag acagagcagt tgctcacaac tccatccaca cctggagggt 420
 ggctttntcc cacctgaagt gacatgacca tggaccaga tcagattatt tgggtggaatc 480
 tgccntntctg aagtgtgttc attagttgct ttcctgtgac t 521

<210> 2647
 <211> 113
 <212> DNA
 <213> Mus musculus

<400> 2647
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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

<210> 2649
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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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 ccgcccccta gagggcgtgt ctccctctag tggcnttgat gggtnntnlgc agagtgcagg 180
 tntgcattta cctgngccgc ttccantnnt ngcccccaag ntactggctg agatcactgc 240

aggntgntnt ttgcntgggc aacctgntcc cntcatgttt gtgggatggg attntcgctt 300
tctttatntg caaaacaaac aagagacca cctttcttaa gagctagttt gggagttccg 360
tatattgggt cagttatagg gtttttcag 389

<210> 2650
<211> 276
<212> DNA
<213> Mus musculus

<400> 2650
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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 ttactgact aggtttcttt gcactcgtgc gccaacagct tgccatatca 120
gaactaaaat gctaaaggtg ccaacttagg gcttgagtcc aaggagatg agtcagagca 180
ccacttgggg actgaggaat tgccttttgt catatgctgt gaccaggcag ttggtgtcag 240
gcggagctgg tgggattcat ttactaaac attgtttaat ccttgagtcc caggtggcct 300
gggttatata acaagacagg aagggaata aagacagctg ggaaggcaaa aactggttt 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
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<210> 2654
 <211> 313
 <212> DNA
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 <223> n is a, c, g, or t

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 cttgtgcgtc tcaagnatgg cgtttcccca attttccttg tgagctcttt agaaaagaca 180
 acctgtagac tgttaagccc tcttctggcc ttctcagggc ctttttgat ccctgaaaca 240
 acacattccc tgacctttct gtcctcagga ggctactaat actcaagcat gaacgaacac 300
 cagcttgcta gaa 313

<210> 2655
 <211> 490
 <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> (389)..(389)
 <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

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

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 cctgagcggc catcagcaga gaaagtatag ccagctgcct ttacagggcc agggcgggat 180
 agggcttccc atcctgggtg atcctgtggc ctgcatcctt accacacaac cccagcagct 240
 atgggggtctg cagggcagcc tgtggtccta ggcagggtcaa agccatggga cccagcctaa 300
 gctcagcagt acagatggct gtgggttcgt ggtcctgtct gntcacaggc tnccttgctt 360
 tccggtcagt gtcacttcat ntntgttgnt tcacatttca ctnagatgta tntcctgggt 420
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<210> 2656
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<212> DNA
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tggtactgta gaagacgaag tggatacaga accttgatgg acaaaaggcg tcatattggt 180
attcaaaaaa cctcnaggga aagatgctca tgtgagagcc ctgatcacca ggacagccga 240
ctgtcttctc aagagaaatc ccatcagccc gtggttccca acgctccgcc tgcctatgag 300
aagctctctt caccgccacc ttattcaccg tgagagccgg gaaactcctg agaacgctga 360
acaacttccc tcacacttcc gctttaaggc tgagtagacg ccggtgtttc gctttagaat 420
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<210> 2657
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<223> n is a, c, g, or t

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

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

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

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

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

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

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

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

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

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

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

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 gccaaacagc tatgcagagt tgtgttggat cagtttgaca aacagtattc gaaagaactt 120
 ggggattcct ggagtacagt aaggtcagta tggttcgtct cttgatattt tgtgagagga 180

aagggaagta tgtagcaa at acctcctnna gagtgnacaca ntccnngagg gangaggtga 240
 ctgnacattt natgtgtgna ggnatcacct ggcatgtaga natgtggggc anatngtnat 300
 nccctctcaa gcacttggct tttatctgt 329

<210> 2658
 <211> 109
 <212> DNA
 <213> Mus musculus

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

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<400> 2658
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 tgttttagttg 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

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<220>
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 <222> (400)..(401)
 <223> n is a, c, g, or t

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 ggcacggtct aagagcatca gcagcagcaa ccctgacctg gctgtgggtcc ctggctctgt 120
 ggacgatgag gtgtcccgca tcctagccag caaggccatc gaccgcaact ctagccgggc 180

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ctcctctttac ctcgaggcct catcctcggc cctgccagcc cctcagtcga gacacactgt 240
gcagaagctg ctgcacgagg agctggctct gcagtgggtg gtgagcggca gtgcggttcg 300
tgagctagtc ctgcagcatg cctgggttctt cttccagctc atggtaaaaa gcatggagct 360
ccatctgctt ctgggccagc gactggacac tccccgcaan ntgcgcttcc ctgggcgctt 420
cctggatgac attgccgccc tgggtggcttc cgtgggcctg gaagtcatca ccagagtcca 480
taag 484

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<210> 2660
<211> 415
<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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aaagcttttg taccacttgt tcttttatct tcacggtctc tgagaacaaa aatagcagga 180
cagtaaaagt cagttaagtt gatgtatggt tgacacatta cacttttaac tgggtattcca 240
cagtcaatgt gtagttttga aaaaagtttg cttttacctt ttgaaataat aaaaataaca 300
tggtagaaaa ttannnnnnn ggaagtgtct cagaattatt aaagacaagc acagttcttt 360
cagattttcc tccttttaga atggaagctc cctgagggca gggaatcttg agtaa 415

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<210> 2661
<211> 543
<212> DNA
<213> Mus musculus

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<400> 2661
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accagctctg ttcccccca ccatgggtgtg gtaactcaga gtcceaagct aaacctggat 180
ccctgctgtg tcaaatgaag gaagctggtg aagagcctgt gccagatcag aagcacatgt 240
gagcccaagt tacagactgt atactaagct agtgcttggt tctattaaaa aaaaaaaca 300

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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

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

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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
 ngcttgccctg tatctactga tgtattagtt aatgtgagaa gctgaaatat cagaaacgga 300
 actccatcac ctgtctacag tgacagttga ggccatttcc tatactttgt tatgttggag 360
 gaccctgccca cattgtcata t 381

<210> 2663
 <211> 546
 <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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 ggaagtcact gtggctaata agtcaccagt ccctcctcca agaggcatat ataaacagta 120
 aggactgcaa agagacagtc acagaccagc acagaagcct gaagaggtag atcacccaag 180
 ctacctacga aagaaaaaaaa aaaaaaagaa antagcccac ttgcctggaa gagtntcaga 240
 tnaacagagc nanctggaaa ggcctcaaac cagctgagct gtacagnaca ctncaggtt 300
 tctagatttt gtgagntgtc atccaggctt ggggtggtttt ttaaagtcac gctgcagtca 360
 tttctgctgt tagtaatctc tcacccaaat tcctgtaaat acgttcaata aagctcattg 420
 gttcaciaag tgagactgat ctgtggtcag ttccctgggt ccttatctgg ggtgagtaca 480
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<210> 2664
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 <212> DNA
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 gggatactga cggtggcccc atcttgagag tgtctggagc agaaggagaa agcagttctt 180
 atttgagggg tcattgggga actgggggatg aagccaaagg tcccgtgtgt acaaagcgca 240
 tgctctacca tgcagcacac gctgatctgg caatttcttc ctaatgctcg ctctgtcggt 300
 ctgttcatta catcatggtg tgaggacaac ttttaattctt tctcaaacac tgcattgtct 360
 cctacagact ctgtccccgt actgaaatta atgtactgga tagagagatt ctgcctgacc 420

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463

<210> 2665
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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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 gtgctgggat tatgtcaca tgggtgtgtcc agctttttac acgagttctg ggaattggaa 120
 ctcatgttct catgtttccc cactccacc acgtccctgt ccacatacgg ggaacactta 180
 gtggacctgc atacgcata gccagtctgt tgtgttggtg gcatttggag ctgcnacaga 240
 tgggtgacct taccnatcat gtgagcatca ctaccctcgc agatgtggac ctaggattcc 300
 agatgtgcat cctgtcacct gtacaccaca catctggcag taattgacac ntctttctta 360
 ttgttttgtt gtgttaaaac gcacataaa attgaccatg ttattcactg tcaagagaat 420
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<210> 2666
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<212> DNA
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 <223> n is a, c, g, or t

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 actctggcctt tgaacttgca aacctactgc ctctgcttcc caattagctg tgattacagg 180
 gatgtgtcac cataccaggt taactcggat ttataacctt gtctgtcatg gctactcatt 240
 tgggaaggctc aaatgaaccg acaacaggga acagaagcag tatggataac tgcacaagga 300
 caagaggcct ttagcaacct ttgccaaact aagtctttct ttttgtgttc agcatctttt 360

gcaccagcat ctntttntg cttggcgtgg tatntgantt gtggactggt actatggagt 420
 tatcattccc tacatttcta cgtagctgag gagtatgcga gtgccccagt gctcacagtg 480
 agagacataa ccaaccctt tctntnttg gggactatnn tttnttcta ggggtgttac 540
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<210> 2667
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 <212> DNA
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 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 tcnnngggat cggatgcccc 360
 cttctgacct ccacaggcac caagcatgaa tgtaatgtgt attgatacat gcaggcaaaa 420
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507

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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> 2668

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ctgaaaccct tcagtgttgc aactgtggt cttggttagga actcactctt tcatactggc	180
gtaaatagga cgctgccat aatctttgtt ctaatgcccg gtcttcaccc gtggattggt	240
taacactcat gtggtattta tagtatgtgc tgtactaatc agtaaaacat tcagtgactc	300
atttcactctt cagagctaac cagggaggta ggnatgtttt nantgggga aantgaggca	360
caagaatggt ctngggcctt naccanggtt ctatagntan taagcctacg tctgggtcca	420
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<210> 2669

<211> 546

<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> (468)..(468)
 <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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 ggcacagatg caggttctgt tcagatgttc aagtcgctca ccggaagctg gccgaagctg 180
 gccctaccca agtcatgtcc tgtagctaata agcttaaagc tttgaagtat cctggcatgg 240
 ttctttttgca aaatatcacc acatgagacc taaatcaaga gcaggtggta agaaatacca 300
 accggaaagt gaagccatgc aattgtgcaa atggcttgcc tggcacggat tggaaatcat 360
 gccttttcaa cgacaagaag aancntaagg ggagttcagg actgggtgngg tggntcagtg 420
 gntaaaggag cttnctncca ancctgagtc caatcctcag gacctgcntg atggaagtga 480
 agaaccgact ccagaaagtt ntcctttgac ctccatatgc ttactgtggt gccttgcatg 540
 gacaga 546

<210> 2670
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 <212> DNA
 <213> Mus musculus

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 gttcttagcc aagatttttg ttccatagaa tatcctgtaa atgtggttct ttgcagcaaa 120
 aattgtatac tcccataaga aatattttcaa catgtgaaac aacaatatatt cattatgttt 180
 ctgattttct taccctttgt ctgttcaaat aaaaagggaa gagaattctt gacagaaagg 240
 catctagtaa attagtaacc aaagcatatc ttaaataaaa acttttagtag actgataaaa 300

gtatgctttg gtttctatga tttgagtcctt aaatctcaaa taaagatcta tttctgctga 360
 gggaacaact ttaggaattg gcacattggc tgcactgtgg ctactaattt aattgccagg 420
 ttg 423

<210> 2671
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 <212> DNA
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 cctccagatg ttcctctgtg cccaccagat gttcctctgt gccctccaga tcttcctctg 120

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

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

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tggaggcagg agccgatgca gaggctatga agggtgctac gtactggttt gctccccaag 120
gtttcttcag cctgctgtct tataggaccc tgggctcaca gccccggttt ggcaccaccc 180

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atagtgtgtg tggccctcca ccatccatca ctaattaaga aaatgctcca aagacttgcc 240
tacagcctta tgaaggcatt tttttttcat cgagccccc tttccctgat atctctggct 300
ttgtcaagtt ganntaaaac naaacagcan actantgagg cagtntatatt tctgtgtctg 360
gcttgctagt tttcataaag tcacatctta ttgtnacttg gagttttccc aacatgctct 420
gg 422

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<210> 2673
<211> 341
<212> DNA
<213> Mus musculus

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gcgaaccagt gaggaaccg aggctgaaca aagggttattg ttgagaaatc acacaggcag 120
tgaatggtag aatggactga gactggagcc ccagtgttga ctcagccatt gacacgcaag 180
cctgcttata ctgtctcact tttaaaaatc atgaataaaa ataagaaatg aatatttcag 240
gcaggcactg gaattcaciaa cttagaagac aaacgtcttc tcttatgatg atccacataa 300
taaaaaagac tcaagaagaa gatccactgt cactcttact g 341

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<210> 2674
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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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 tacaactagc cagaacatgc agancctctg agcccggctc actcacctgt ccccccatc 180
 ttttctcccc aacttcctc tcctctcttt agtttttgta aggctgtgtc cattccctga 240
 ggccctcagat cctgtcagcc atttctagat cctccacntg tctccagttc tcatgatcta 300
 gatagtagct gntcaagggt agacttcccc cantccggga gacttgcaact actcaggccc 360
 tgggttgtagc atttntntgg actgggttaga aatagggagt ggactaggtc tatctacaac 420
 cttttcccg cctgaggtta tctttaactt ctgtccactg gag 463

<210> 2675
 <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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 ntggaagccg ggacagagag gacgccaaca gagagctggc gctgctcttc cccagtttca 180
 agttctcaga taaagacaag gaagctccac cgggtgctga ggctcaaact atggtgggcc 240
 ccgtggagga cccttgcatt tctgagcgta tctgaggact ggaatgccgt gttgtcttct 300

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gccggaatca aagtcacaag gccaccagag gagccctcan tacacgccng tcggcacaga      360
aggntgcaga ggtgattcca gagcgccaat atgtgcttgg tttancnnta ttctgtggac      420
aacggaaaca actgtccata cgtntntgcc ttattaaaca gtntgtagan cacancaan      480
tctagtcacg gcattctgct gaggcacat                                         507

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<210> 2676
<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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 <223> n is a, c, g, or t

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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 ccnaacata gaccatgacc cagaagcctc 300
 tgaggtatct accatggggt ctggcaggct ggctt 335

<210> 2677
 <211> 357
 <212> DNA
 <213> Mus musculus

<400> 2677
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 tggatcctac tctgtattta agtagcacga gtcagttact ataattacaa atcttatcat 180
 aataagaatc aattatttgc cacacagtgc gcccagttag aaccgagcct gctgttaaag 240
 cccaagcaaa cgtctttagg aagcacttca tctgaccgtg ctgcctgcc catggccctt 300

ctgtgaccga gtgcgctaga aaaatctcac acagatccta ggagtcagcc actgggc 357

<210> 2678
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 <213> Mus musculus

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

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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 tataagttaa 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
 atatattctca gctcactttg catcagttta t 511

<210> 2679
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 <212> DNA
 <213> Mus musculus

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 <222> (319)..(319)
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 <222> (340)..(340)
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 <222> (354)..(354)
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 <222> (464)..(464)
 <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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 gcagagaaca gggactttga tgggcccgaag tccctgaaaa ccttcagtct tacttgaccc 180
 ctcccctgca ggcacccaga agactgaggt gtaaagacct tgagttcgag gtcagcttcg 240
 ggttcagggg cgttgtatac ctctgtgac cacaggctct acaccaatg ttatatcccc 300
 ttggatccca agnttntcnt ttcggtttg catcccaggn ttctgagagt tcancaatct 360
 tcagtttttt aaaattatca ttaatgtaac aattttaatt attttttggt cagaaaggga 420
 ggggtcttgn ctgccattga actggtaatt cccctgcctc aggnntntgca gtatgatgat 480
 tgcaggcgtg caccaccaag cctggatgat ttatt 515

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

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

<220>
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 <222> (205)..(205)
 <223> n is a, c, g, or t

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 ctattttctt ntgacaccac ctttacagga agactttctg ctgaccccat atgcttgatg 120
 gctttgggggt cttctttcca gggcttcaca tagctgctgt cttcctaagg ctaaattgcc 180
 tatttgacag tagaataatg aaagntcatt tcaagggtgc ttctgtcaaa gccactaggg 240
 ccagcattct ggggactgct ctggatataa agtgcttaat tgaaagtaat caatgccaca 300
 aatcaattca ggatttagca tcaaacactg tttgctgaac aggaccagga aggaaatccc 360
 tgggtctcata aaacacagga aaaccacaaa gtggaagctt cattctagct tattctgcct 420
 tccttaaaag gtggtg 436

<210> 2681
 <211> 484
 <212> DNA
 <213> Mus musculus

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 <222> (404)..(406)
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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 acaaaccag tttatgcgga 180
 gggcgcctta atttaattaa ctcttcggga aggcagaggc acggggaagg ggcagaaact 240
 tcgtgcccc cccacttga ccaaattctc ctccccacc atgatcgtag atctctttct 300
 actatagctc tctggctttt acacagttct gctgtgtttg aactgaaaat cagcgaacat 360
 aacnattcat cnntctntca ttttanticag aagcccatat 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
 tctaatacagt 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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<220>
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<220>
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<220>
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<220>
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 <222> (295)..(295)
 <223> n is a, c, g, or t

<400> 2683
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 tgcataatcct attaaaaata aggaaggggg agatgtggga acacgggtcca agaattggagt 120
 gtgtagatttt tctgagtgtc tctgagaata ctcccagtaa agcaagaatc ttggacctca 180
 gattcttgnn anatatngaa ttattcttgg attatgcttt cgtncacctc ccaggtatag 240
 tgaatagata ggagtgaatt tacattatctt agattattta ttaaatatag gttantttatt 300

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aaaactggct attgttactt gtttatatac atctgtagaa tttttccatg tgagacttct    360
ctgtcacata tggcttgctc ttgtgattaa acactttaat catgtgactt ctctttaact    420
ctcaaggtat                                                                430

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<210> 2684
<211> 499
<212> DNA
<213> Mus musculus

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

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

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

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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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 gcgataaaaa catcttttaa agacttttga aatggaacag gacttcctga cacagaggac 120
 accggaata ttaattggag aggagcaagc aggaggccca gtgcaggcga gggtagagagt 180
 ttgcttttct ggtaagttaa ctctcaaga aaaccaggat agctgcatga tctactttct 240
 ggattaagcc agtgctgtcc catggccaat tctgcagttc ctgacccagg taaggtcttt 300
 gtgggtcatt tcaaaanann nnnatgtgaa nnnganatgg atntnnnnnn nnnggnnnnn 360
 tcnntntan gnnncncnna nnnnnncnnn cgcagcacc aagtcagcac catggacagc 420
 atcccgggac cgcagtaatt atggaccttt aaacaccttt gtagaaaaat ctgatcggtg 480
 ggaacgtaca agagctttt 499

<210> 2685
 <211> 90
 <212> DNA
 <213> Mus musculus

<400> 2685

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aggctcttcct ggtggcaaatt gagctatcct cttagttcgt aaaacctacc ttattaacct    60
ctaactgc ctcatactaa ctattcctga                                           90

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<210> 2686
<211> 465
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<400> 2686
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tgtacatagg ctgtctgtgt ttggcttttc ntagtactgt gaggtttccc acagggattc    120
catgtagtac tctgtgctgt gacaatgcca ctcttcccc aagatcacac atcatcccca    180
caaatggttc tgcctttctc tatgctaaca catggagcca ctgagatgca gttgggtggt    240
taggctcttg gattttatct tgcaatttta tatatataca tatataatat atatatttat    300
gggttggttt tatatggttt tctgtttgaa tctatgagca acaaagcttc ccttcgattt    360
tcatgagaac ttccaaagg ccttttgctg ctttggtgtc tgactgtgtt tggggtggac    420
tctgcttggt ggtttctctg tgtgtgccgt tatttcacct gcaga                      465

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<210> 2687
<211> 331
<212> DNA
<213> Mus musculus

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<220>
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<222> (106)..(112)
<223> n is a, c, g, or t

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

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<400> 2687
agactcctta tcacagacca catctggtgc cgaaacctgg gacttcaaca tagctggcac    60
caaggagacc ccctggagac agggcagatt cagaactgca gtaggnnnnn nnaggaagat    120
aatccctttn ggattctaga ggcctcact tgaaggattc agctcttaga cggtgaatca    180

```

```

caagaacaag atcccaagac gtcgctggat cataacttaat tggactatgg aatttgaaca    240
aacgcttcga gaattgagag ttgctattct acaagtgaat tctacgcgtc tcaacctttc    300
actgacggag ggcttctcca cctagatttc c                                     331

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<210> 2688
<211> 515
<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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<220>
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<222> (238)..(238)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

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

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

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<400> 2688
ataagctctg agctccagtg cttctgccaa aactctggac agtacacctt tctgtgctgt    60
acagagagct tctggcaaaa taatggaatc gtatcaagat caaaataatg tttggcaaca    120
tcagattaaa cctctttgaa attcaagagg tcagcaatgc gctaaaggac tttggncatc    180
atgtctgaaa ccagcttctc tcaagtgcc tgttgtgtgg aacacttcac atattggncc    240

```

```

agcatatata aggangtctt atatgctaac atttttttta aaggaaccat ctttgtgcaa      300
aacagtattt ctttttgact ctgtgaccac tatttttagaa acattattta atgctttcag      360
tcatcanttt gcttacagat tgaataagct tttgtgccct gtttttcttc nagggnctcg      420
aagtgtnttc tcaatcacca gatttttaga aaggctttct ttccactggc atttctcact      480
cgtgacacac atccacttac ctgctgaagc acatt                                  515

```

```

<210> 2689
<211> 526
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

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

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

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

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<220>
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 <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>
 <221> misc_feature
 <222> (417)..(417)
 <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> (459)..(459)
 <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> (500)..(500)
 <223> n is a, c, g, or t

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 agtctagggg gcggtcccaa ggcaggtcca tgtccagtgc tcacaggaca gttgttacca 120
 ncgactgaaa cggaggtttg aagcctaagg tcaagacacc tntctccgta ctctcctgtc 180
 ctgtttacag gccagccttt ancacacact tcctcccaag anctttgacc cacccttcca 240
 gtggaccacg gtgtttngtg gtttnggttc aggttgacct gngatggacg ggccgcgagt 300
 ctcaagatct cctatcgggg ccanatggaa cacancctct tgtaccgtca ggatggaatt 360
 tccctctgct ccctcctgct tntctctgct gttcacatcg gatttgtatt ctctcanctc 420
 tacagaagga caaactngac tgtcagttgc tcccttgtn tgtcttgcca tgctgggatc 480
 gaaccnagga ctttgtgtgn gatgggacga cttgcttggt 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
gagctccatt cctcacattg aggagaacag gtaccgcttt cctcaagtgg gcctcactag 60
cacagccttc acgggcctga gctgcagaac caacaagacc ctgaacatct accttttgga 120
ttccaattta ttttggttat atgcagaaag actgggtgcc ccgagctctg ctctgtgaa 180
ggagtttgcc acaattgttg atgtgaaaga agaatctcac tatatcctgg atcccaaaca 240
agccctcatg aagttcactc taggtactgt ggggtggttg cntcctccg cataatcagc 300
tttacttagc ttaagagctg tcatttgac 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

ttttcaatca ttctgccctt aaccgcctcc ttagggcaaa atggaacacc ctccttgcta	60
gaggctggat gtatgtaaag actatagttc attgtttctc tattaaatta ttttccatac	120
tnnnnnnnnn nnnnnnnnnn gnnnnnnnnn nnnnnnnnnn nnnnnctcat accaggagaa	180
gctgggggag cctgactagt gtggcccaga gggaagtgac tgtacacctg cctcttgctt	240
ttagtctctg ggaccagaa gtcctgctga ctgccactat tcctgccaac cacctagtgt	300
gtgttggttg gagcagggcg tcagatggat ggatagacct gggagcccaa tgaggcctta	360
tttctgcata cctcggcata gtggcaggtg gtagccctct agaacagtcc	410

<210> 2692

<211> 517

<212> DNA

<213> Mus musculus

<400> 2692

tttcaatcta ccatggcagc tgctcctgcg cactgaggcc tgagagtcag gaggaacaaa	60
tcgaaacctt gctgtcttta aaagaactct cgtgggctag ggcgagcgct cagtacagcg	120
cttgggtgtgc aggcaccagg acctgagttt gctccctaag gcctggaatg tgtgacaccc	180
cagtgtctggg aagacacaaa ggcaggtccc agaggcttgc caccagaca ggctagctta	240
ctgtgagctg caggacaggg agagagaggg cttctctcca caaaaagtag acagtgcctg	300
agggttaaca accagctttg ttctccagcc tctgcatgta catgccacat acatgactgt	360
acttacacat gcttacacac atacaagaga gttgggggtg agagattggg cttagataa	420
gactttactt tttactttt tatgcaaatt aaagatttaa agaaaaaat cacaagcata	480
gcaaggaaca ttggcgtctt cttaaccagc atgtatt	517

<210> 2693

<211> 252

<212> DNA

<213> Mus musculus

<400> 2693

ggctcttttag agcagcagga cacctgctca aaaccaaggc tgtgctgatc acctacgggc	60
cctatgccgt caatgggaag atctctcccc agagcaacgt ggactttgac ctgaccctca	120
gatgcaggaa ccagagtggt gggcttcgtg acacagtcct tctggaggaa ctaggccagg	180
ccagtggctt ggtcctggag aggatggtgg acatgccagc caacaacaag tgccctgattt	240
ttcggaaga at	252

<210> 2694
 <211> 508
 <212> DNA
 <213> Mus musculus

<400> 2694
 agggcagtca ttcccaggag acacacagca ccaaccaaca gcgcgatgaa ttggtaatgt 60
 tgtttttgctg ttaaataaaa atccttttta ttcttgctct cttttcctgt aaacattgtg 120
 tgcattgaggc tacatcattc cttaaatacac ccttccacct tgctttaaca actcctcaga 180
 tgatgtggaa gggcaaagct catatgctcc tgtcacttga gaccctggcc aacctcattt 240
 gtatTTTTTtC ctgctggcat gaaaagcagc ttgagggtaa gtagtgctgt gccagacctt 300
 aagagctgtg cgggtgccaca gttgtgcagc catcagggtt ccttgatcac atggaatcct 360
 cctttaatca ttcatccatt tgggcccact ttgcatacag aggcaagcag aaagcttgag 420
 cacttggtgtc ctggaagata ccaagtcagt gtcaaggagt gatcggtgtc aacggaaaca 480
 agctggtaaa tcctgtccag ctaacgtc 508

<210> 2695
 <211> 165
 <212> DNA
 <213> Mus musculus

<400> 2695
 tgtggtggag gcatctgtga aaccagggtt ctgcacacat tcgatgggat ctctgtacag 60
 ccaggtcagc cgactggccc ctctgagtag cagccgcagc cgcttccacg ccttcacct 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
 gccaggcgca gggaaacctt agcattgtct ggcactgtga tagattaaaa ctgtagctgt 60
 atagtgtcaa attccccaat ctgaaatgct tgnaaatntg aagcatttga gtgtccacgt 120
 gaggcncan agtggaaaaat tccacaccta acttcacttg atatgtgtnc aaaatgtagg 180
 cccattttaa aaatattgca cagggacttg aaaggctgaa gcaataagac tgccccaag 240
 ttcaaggcta actacggcta catattttaga tcctntcncn naaaaaaaaa aaaaaaaaaa 300
 aaaaaggcca aacaacaaat tggaatgtat ctcatgata tagcagctgc ttatagtgt 360
 gcagacctct gagctttatc ccaaaccctg gaaatgatag ggaattgccc ggagctgagt 420
 gtgctcatgc agttcggaag tagagcaaat gtgtcagttt aagggcagtc cggatactaa 480
 gcgagaccag cttgggctac ggaaaacat 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

gtcagtccag gctttccggt aaggacactc ccttccaact agttccttct cgacaccct 60

gcaaccatc gtcctgacta tttaaacttc acaaggctt cgctacaggc tcagggttcag 120

tgaggcagag tnttggttc cctaccaggt tatcccagag ctactggtat cggtttctac 180

ccacaacctc cgagcaaggc tcccctttca acctgtagac ctgcctccc gattctcggg 240

agatcttgct gactgtggaa tccctggctg ttccgaacct 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

<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> (508)..(508)

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

<400> 2698

ggttgacatc ttaggacttc tcagttgtct cccttctcca tcattctaata ttttatgtcc 60

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tgtgagtgag cctctgcttt ttttttttaa tgttgctata aaatgctctt accagccatt    120
tgcttcctca gggaacattt agcttcatct tggtttctat atagctgtct tgggtgtgttg    180
agagatctag tcagaagtcc ctgggcaggt taacagtggc catgttcatg ggctccaatt    240
gagactggag gagggaggtg gtaatggntt ggttgtaaag ctctcattac tgatnttcct    300
ctttgtcctg atgctactag aagcttccat ctgtcaagca nttatttgta tccctcttaa    360
tgttgtgttc ttactatat atcatttaat cattacggca gcctttcgga ttgatacccc    420
tacattcttt ttatagtttg gaaaaaaaaa atntcaggat acctatcttt atcatttctc    480
aatataaata tattntntaa tttatttnaa ttagtctttg agtttctggt tgggtgcattg    540
tatcctgttt attgctttcg tat                                           563

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<210> 2699
<211> 429
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<220>
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<222> (181)..(181)
<223> n is a, c, g, or t

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<220>
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<222> (197)..(197)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature

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<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

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 caaatattga tcataaacca agtgtatatg aattaattaa atagcatatt tctggcccaa 120
 atatgaggaa aaccataact ttntactgta aatcaggaga gattgtttta tcccanata 180
 nactaggatg tttcaantca tgtttcagca atttgagac ctacaaacta tctgcaagca 240
 agcacaacaa ccatactcta atntacnaga tagtagtgag aatttagtgc ttgaattcag 300
 gctgcttgaa ttcagtatnt ccttctctat gctgattttc aagtagatat tctgtagctc 360
 agctagatan tcttttaaaa gcaaaaaaaaa 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 ggtagacat gatgtgagca gtcgctgcca cgtgttcctg ctgcctcttc 180
 agcctccacg ccttacctg taatgggctg cactctctca gaaactgcaa gcaaatgaa 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 tgcaaatgt tcatggaacg gttcctcatt 120
 aaaaaaaaaa aaaaaagcca gcgagagaga cgacagaggc agaaagaaaa aagagaggag 180
 ggggtgagggg gacgcacata aaccagttt caaaaaaaaaa aaaaatcatc tcttcactag 240
 agactccgga aacgtagagg cagcgagatc ccagcacagt ccaaccaagc cacaacaaaa 300
 taattttcaa tctgaagaa ttattcagat taaaatgtac agaagtttca ttctcctatg 360
 cctacgtgag cccaagtcg tttcccttta agggctcctt ttcttttaaa gttggatttt 420
 aggcagcaag gactcttaca ctagggggca gacagatact gcacttactt caatcttaag 480
 caattttttc cctccagca tatgctctga tttag 515

<210> 2702
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 2702
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 actggggggtg gggaggaatg gtttttaact tgagtgaagt ctgatgtttc agttttatct 120
 ctgtgaatca tgcctttggt gtcacagctg agtactctct aaccaagtc attaaggtct 180
 tgtttctgcc aggcctgggt gacacagatc tgtagtccag ctaatgtgga ggctaagcaa 240
 ggaggatcaa aagctcaagg actgcctggg caacttagca agaccctgtc ttagatgatg 300

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aaaactaaag ggctgggaac agaccacagt ggtagaaggc actcctgggt cagctgtgag    360
ccgttcaagg ctcagttctg ggaa                                           384

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<210> 2703
<211> 535
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

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

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

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<220>
<221> misc_feature
<222> (114)..(116)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

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<400> 2703

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taagtaacat gacgatcaac aaccnagacn gntcctcttc atgcagctnt gctnnntnca    120
tcccattgac tgtggggttag gtatacttac acttccacct acgggggtact tgaagatgag    180
acaatatcag gatgtttctca agataccttc tncatacaga cctcagcaaa ccaaattaag    240
tacagttgat ttcttttaca agaaaacang tatatgctan caagaattcc aacatgatgg    300
gttttaagca tcgattgagt gaaatacaac aagattgttt gaagaaaatt ggtagagtg     360
atgctgtttc ccagattatg aaaatctgtt ctaagggatt ctgtaaattg tcatttcttg    420
atagtcatgt gaccttgatg gggccaagtg gcctctgctg ccattgctct gcacagagc     480
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<213> Mus musculus

<400> 2704

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ctggctgtcc tggggcttaa tctatgttgg ctacatcttt attatttcca tattcattgc    180
aattatcata acatctaccc agattataat gatgactggg ttcttggtca tatttacgct    240
gtttttctta tatggattat ccttggttaag tgtatgtgtt tactaccatc atttacacat    300
tatatcttag ctatgtgtaa ttctcgagaa tgttaaggag acactttgtc atgtccagtg    360
tgtgtatata tgcatgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtggt    420
gtgtttgaga aaatgccaat gactatacga aacgaatgta aaccaagta aattgggtct     480
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ccagctttgt gtgtctgctg ccaccggctc gtccctctctg acctcggtca ntaccnctct 180

gcaccttagn atgagagaac cagaggggtgt ctgcacttcg agagctcccc ccaccccggg 240

gtaggtgtgg gaccttggag gcngtcccc tagtccgcga tcagggggta ccgggcttcc 300

cctcacctta agatccccgc ccgtggactg cagactgttn aanttcgana aaagngaccg 360

agctggagga cagggaaaag tgncagaaga ntcggaggaa aagtgtntca gaaagcgcac 420

aacggctnct nccancggcg cctncaaag gaccagaga cataggggan tcttnntctt 480

tttcaagatg aataggaagn tcagcggcgt gaagtagctt cactgcttcn tcttccttca 540

gctcaccttg gctgtgaagt agccagtac 569

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<211> 496

<212> DNA

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atatttttat 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
atattgtacct ctactagagc tatgctgacg tgacaatgtg tatagactta caagacttag	480
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<211> 314

<212> DNA

<213> Mus musculus

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gtgtcctagg cagacattgg tcttctgagg tgggaagagc aggggatact gttgttagtt	180
aacaaagaaa aagaaccaac cagtgcacac gagaaaatga agccaagccc accttactta	240
gatcagagaa agctctgaag ggaggtggca ggcaacacag tcctgccaac ataaacctcg	300
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<211> 531

<212> DNA

<213> Mus musculus

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caaatgtgcg aggtctgcac agttgcagaa agggatgcga ttagggaagg ttctgaggcg      180
ggtattttaca gtggctgggg aaaagaacgc ttgtaaagag ttacattgaa tgtcacccat      240
ttccctgagc aaggctgaat tctgaatcct accaagcact ggattaggtg tatgaaatgg      300
aatttcgccc ctggtgccga ttgcttcctt tctgcaatcc tagcagggtg actctccaga      360
aagaactttg ctacctctgg gatccttgcc actgagagtc atgggggtggg tcatggtgga      420
gggaggacta agcacgcgcc tacttagcta aaggcatcaa cagtcacctg tggaattaag      480
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ctctacagac agtacatgtt cttccctctc ttaggtgtac tccattattc tcagcataga	180
ctcagaggcc tgggtcttagg ctattctcag tactgggtca tagcatgact agcattgatg	240
ttgtngatgc tctgattctg tactcctcta tactgtcggt naagtatttt ctntattttc	300
tggcctgacc angctcaact ntntcctgta ctntcctng gcctgcagtn agctacttnt	360
acagagaacc ctggntcctt nactggagat ntgntattta caaccagggt ngtgggtcca	420
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ntntttgtgac gtttgggaatt ctggggactt nttagagagt gtacaaatgc taaggccatt 120

agaggcaggg aaggttggtg ttgctgttgc tggttgntgt tggtcacat tggttaagga 180

gatatgcaca aaccagaaag aagaagaaat tagatgtcct gactgtgaag atcaaacttg 240

cccttantcc aactgntaa tnagcaggaa atagccctaa taatatngcc tgctttcctt 300

tctagcgttt tgttttttgt tttgtttttt gttgttgttg ttgttttttg tntcctntnt 360

agtgttgggt tgggaggggt gagatagggt gtntaaaaga agaaccacaca gantnttaag 420

aagcccggct ataatantat ttcacaagga gcctantntt gcattttgcc accccaattt 480

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accactggca gcactcccct ctcgtttgct gcgagaaccc ccgctgctgt ctctgcccga 120

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ttttatgcgc tacagcaaga aataagaaga taagtagagg agagtaagtg acatcctttc 180
agaatataca gccaaagaca gtaaattcaa agccagcatt accacatgtc tctcaggacc 240
acatcatcac gagctgattc aacatgaaaa gggacagaat ccttttgaaa gtgtgactac 300
ctggaactta cagagcacac ntnggncatt nactcnaaa accaccacct ttgnacagcc 360
aatcaattaa gaagtaaaac accattttct tgatgagaag gatcaggant canacataat 420
atgagtttga gnaaagtaag tggaagagga aaaaaatnat gtntgtgcca aaggncattt 480
cntnccctat ccgtactgtg taatagttt 509

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 ccacactttg gttttccttc ttcttgagct tcatttggtc tgtgaattgt atcttggata 120
 ttccaagctt ttttcctaata atccacttac cagtgagtgc ataccatgtg tggctctntn 180

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tnactggggtt acctcactca ggatganntt ttcnantncc atccattnnc cttcganntc    240
tntttntntt catcctcctt ggnnnnccca cccanttacc catgnccgca cattagggag    300
gcagatggca nggtgtaggag ctcaggggag ggggtctctac catgaatatg aacctgagat    360
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caggggtcct ctgcagagca gtaagtgtc tcaatagctg agcccctgcc ccatccccta    180

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taaagaagtg attcataatt caataaacat gtgtgtgtat atgtatgtac acatatatgt	240
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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> 2714
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 ctgtgcgaat aagagtcagt gtaatatgaa ataaatagct ctttgctatg ttactccact 180
 aacagctaca cagatgtcat acactttata tagactttctc atctttccaa gaagtcttgt 240
 attttcattg ttttgtatta catagaaaga tattttatag tctatatgca aactaaactg 300
 cctattttca cataatttnn tgggnnatna tanagtnant naccatatnt agnatattnt 360
 ctnattttnt tttgtctttt ttttnnaccn gtcacnacac tgatatnnat gttnttccag 420
 naatgtacag cagaatnata gacatgnna actatntact ataatatnat atnagatgta 480
 agnaaagatg taaatcacag tgtatttcat tatccca 517

<210> 2715
 <211> 355
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (304)..(304)
 <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> (319)..(319)
 <223> n is a, c, g, or t

<400> 2715
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 gggccacata tgctggcttt cttggtttta ggtccagcag ctgccattcc caggtctatg 180
 ggtcaaggag agtctacact tcaggctgtg gctctagctg ctttagacct gtgagttacc 240
 gagtctgtgg ctatccttct tttggttatg gatctagatt ctgtcaccca acctatgtga 300
 cttntagaaa cttccantnt tcttgtcaca gaccacctg tggatcaacc aagtg 355

<210> 2716
 <211> 437
 <212> DNA
 <213> Mus musculus

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

<400> 2716
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 tgttagggtc gacacgggca agtggggcaa aggaatggct atttaaggag gctgaataat 180
 caaaaatagg ctctcttttag gctctgcac tgcaaccttc ccacaatatc gaggtctctga 240
 tttgtcagtc agcaccgcac aagggttctgg agaaagcaca agttctttgt gaaagttctc 300
 cttaaaagac tgttggagct ggagagttgg ctctgggatt aagagtacct gttgttcttg 360
 cagaggacct gggttcgatt cccagcacc accctggaggc 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

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cggacttggtt ttctttgtcc ctagactggtt 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
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<211> 359

<212> DNA

<213> Mus musculus

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<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>

<221> misc_feature

<222> (328)..(328)

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

<400> 2718

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tccttccttc tgggtgatgt aaagcctggg gtcctctacc ctagaggga ggaatggacca      180
aaagaccntg ggntttatat acatgaggcc agtgcttggc cactgaactg catccgtagc      240
cctagagaat actgtggcct ctgtaaagcc atccctgcac cttagcagcc accagctgat      300
ccagccagtc ctattttacc tttatttntc cctctcttcc cgccttcagt attagttaa      359

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<210> 2719

<211> 345

<212> DNA

<213> Mus musculus

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 cacgccacag tctcatccct ttaacagcca ccgtacggct atttctgtct ttagcctgcc 180
 agcacagagc cctcctgggg gccgtctatg ttcttctggg tctccaagga ctctccaccg 240
 taaggggcat ggtggctcat ctccgaatag aaagatccca gctgtttact caggaaaaga 300
 ccagggtgaat cgctgttatc tacaatgata cgaaaccct ggaga 345

<210> 2720
 <211> 532
 <212> DNA
 <213> Mus musculus

<400> 2720
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 gaataccaga agaggagaag taactgacta aggaaacca ttttactaa ttatctaacc 120
 tactgtctga agataagaaa aggaagggaaggaggatgcat gttaactggg gcccttatct 180
 cctcctatcc tcagctatgt cagtcagact caagtgtgac ttgcaccatg tgtgtttctt 240
 gttttctaac ctgtagaaga tgggttatgg gttattgata atcatgtaag acatttcctg 300
 caataaaaact tcacttgttc tttcttccca tctctgtctc tatgtctgtt tctttctcga 360
 gttctgcctc ttttctacat atatatattc ttacatata caaatatata tgtacatatc 420
 ttatttgttc cttacatata tgtatatattg agtgtatgtg tgtatttggtg tatgtgtttg 480
 atatatgtat gatgcacaca cacatatgta cacaatttgt tcctttctct ag 532

<210> 2721
 <211> 452
 <212> DNA
 <213> Mus musculus

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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

<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

<220>
 <221> misc_feature
 <222> (391)..(391)
 <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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 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 atttacctnt atgtgcacac 420
 acagagagac acatgtatgt actcattttt aa 452

<210> 2722
 <211> 481
 <212> DNA
 <213> Mus musculus

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 <222> (344)..(344)
 <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

<220>
 <221> misc_feature
 <222> (408)..(408)
 <223> n is a, c, g, or t

<400> 2722
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 cacagagtgt taataacttt atacttatta attaattctca gaggcaagag ttgtcctgcc 120
 cactgaagac ggcaccaaag gaatgaagat tgttcagggg tcttgcatag atcaatgacc 180
 aagcaagtga cagaagatgt tgggctcaaa acaccagaac acattcagtc atcagcctgt 240
 ctctgtgctc tctcttccca tccagccaat gaggaacag aacagaatat ggcttgctgg 300
 gccatccagc tcttcacaga tcaatcccaa tcctactaca aatngtgtcc ntacaaaaac 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

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 <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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 <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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 cacnttgnaa ataattcttc cttcttncca gctcttgcc tccacctcgg ctnttccaag 120
 agtggaagaa caggtttctt ttacccttcc caagcacaat aaagcccaaa ccaccatccc 180
 attgtgttct tggccttctc ttctgtcagg gnaggataat tatagtcctt 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
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<210> 2724
 <211> 425
 <212> DNA
 <213> Mus musculus

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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

<220>

<221> misc_feature
 <222> (347)..(347)
 <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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 accggttggg tgctgggaca ctgtgcgggg agatcaactc tagccactcc tttgctcttt 180
 gtcagagccc tgggtgattca gggcagcaga ggaagcaaaa gggtcattgt gcctctgctc 240
 ctctctcctc tgtcctcaag cttgcagttc taaggctctg atgatgggga ccgnttcnta 300
 atggagtgtg tgccctgttg tntctgaatc caggcacaac aatatcntca cagacagacc 360
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 cacgt 425

<210> 2725
 <211> 437
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 agacgcaaca atcctgtggc atccttcatg caataattta tgaccatgaa tattatttat 180
 ttctgaattg gagctataaa ttaccaggga atttctggca aagaggaaaa gctactttcc 240
 gaagtcaaac gccagtctcc attttataaa 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

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 <222> (257)..(258)
 <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

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

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 gagccaggtg tgttgaggca gaagtgggca cagttgtgtt ccaagacgct gcacatgtgg 180
 actgctgcaa aggaagacaa agaaggcttt cttggagccc ccaggcagac ccaggtgctc 240
 tttgggatga ggtcctnntc tggaaagctn tcctgggcta tgaaggacac accatgtcca 300
 caccattnt tctataagga gaacntcttt ccaacagtcc tgaggctcat gcgtggagag 360
 gaagtactta ggctctgaat ctcggaagct ggtgtttgaa ctatttattt ttctccaagc 420
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<210> 2727
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 <213> Mus musculus

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<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

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ctctatccat caggcatact gtgcccagtt cgacccatct acagagtggg acagaagggg 120

gcctgtcttt cggccagtgc cccctcccc agtctacca 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

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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> 2728

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agtgtagcct cttggttcca gtgaggtggc tgaccacggt cctgcaggca ggagtggcta      180
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tgtgtatctc agctgcccag agccttggtt ctgggatctt cacatagaac ttgcccacc      300
aggaacatgg ggagccagaa acctgtgcga catcaaggga acntgctccc aacacacact      360
gctccaggac cactgacttc ccagtaccac tcccactggt tggatgatggg tctgcctcaa      420
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<210> 2729
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<223> n is a, c, g, or t

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

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

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

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

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 ccggaggtca gacctgtcct cctcccacct cctcctttgt tagaaggga gtggtgggct 360
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 tcgcctgcct ggggtgaaaat tgctcgggct aggggtgaaa aggagttgga ctaatcctac 480
 aagactaggg tgatccacct accctctacg aagtctgtgt ggcaa 525

<210> 2730
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 2730
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 gaatacatcc tgagcagcct gataagcaac aacggagcaa ccgggacctg gctgtatagg 180
 aatgagagtg acaaagtcct ggtacagtcg gtctgcatac agatcagagg gcagattctg 240
 cagaagctag gtactgactg acgtcaatcg tcagcccctg cggagctcac ggcagaggct 300
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 ccccttttcc catagtagtc ctcttgagaa gaaaatgaca ttagatacct ggagctgaac 420
 tgagtgtgtc tgtgcacact tgtgtagcct gctgtgtaga ctgaggagaa aagagcttga 480

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<210> 2731
 <211> 525
 <212> DNA
 <213> Mus musculus

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

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 ggggcttcgt agaaagctaa aagtaggnntt gccgtatgat ccagcaagct cacttctgga 180
 tagagcaaag gaagtgaagt cacagacaac cgctttatgc ttatangttg cagtgttata 240
 attggtagca atttgccctga gatgtgccaa ctgatccaga tgaagaaatc aggctacaca 300
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aacatggaag acaaatgtgc ccctcagggg aagcgacaca tacaagtttg tctagagaac	420
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<210> 2732
 <211> 549
 <212> DNA
 <213> Mus musculus

<400> 2732	
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ggtatttgat atggagacct ccggaatccc acccatccgg cttatgctga gcgctaagat	180
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gcccaggctg cagcaggagt gtaagcagtg tggcatagtc catgtggatg catgcgcctt	360
tgatgtcctc aacctgtggc ccaacggtac gtacaagttc tctatctaga gggcaggtag	420
atacacctg gtatattagc cctggcggga aagcctcacc ttgcagatta cgccaggacc	480
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<210> 2733
 <211> 89
 <212> DNA
 <213> Mus musculus

<400> 2733	
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<210> 2734
 <211> 395
 <212> DNA
 <213> Mus musculus

<400> 2734	
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gatttccact tcccctgcct cagttgtcca aaactggatg gaattagaat ccacactagg	180

tctcatctcc atgccaagag tcattataca ctctgaagaa agccggaatg ctgggcatgg	240
aatcatgact cgttttaagg aaattgttgt tctgtctcag gaggtatfff atagggcttg	300
tagtgagfff tgatttcaca ttatcaagag ctgaacaaga tgccatcagc tcccactaat	360
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<210> 2735
 <211> 378
 <212> DNA
 <213> Mus musculus

<400> 2735	
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cttgtgtatg ctttgtgtgtg tgtagtgttt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt	180
atagtgtttg tgtgtgtgtg tattcatccc tgaatgtgtg tgcccacatg tgggcccga	240
ctgcagggtg caagtagagt ttggagacaa cagtgtggag ctcacatctt tatgtgcttc	300
ccaggcaaat ccacctctca cctgtggtt ccagaaatct aatacaaggt tcagatgcga	360
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<210> 2736
 <211> 503
 <212> DNA
 <213> Mus musculus

<400> 2736	
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gaagaccatc agacttgtag aagcttcaag cacctgagtc ccacactcct acccaagagc	180
tatcccagga tggcctctg ccactctgct ctcccagggg tcagcctgca gggaagcagc	240
tacaacctac agtggggaaa tgggaaatgg gcaccatcgt accagcagtg actcgagagt	300
ttagctgcct ggggtaagag gtacagggtg gaacaggag ggtaggttgg atttggaatc	360
catccgcac tgcaagccc agccacfff caccctgcag gggcctacct tctaccccat	420
gcacacagtg ctctgtggag tgatgctaac aagcacggga gctagtactt tgttttctgt	480
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<210> 2737

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

<400> 2737
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 catggggacc tatctacacc aatgtcatct cttcaatgga gcaatacctt gaaagtggag 180
 aaattgttct gtttatccca aagtaggcta gcaaatacaa caaggttctc ccattgtgac 240
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 ccctatgact acctgaaccg atggacagca aacaagcttg atgctgttgt tgtgggaata 480
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<210> 2738
 <211> 508
 <212> DNA
 <213> Mus musculus

<400> 2738
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 gttcttgaca gcctgggtgta tgaagaacag attgggttcgc actgtgcctg agaagcccgt 120
 tagagccctg ccacagaagt gggtagccgc agatggatgg gatcgccctt tccttcagga 180
 agtaggaatc cctgtattac aaggactcaa attctgccgc tagggggcag tgccccacag 240
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 atgattgctc actcttttaa cataccag 508

<210> 2739
 <211> 417
 <212> DNA
 <213> Mus musculus

<400> 2739
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acatctgtga gaaacagtaa ggataaacag agagtgtctgc tttcttcaat ctaccacacc	120
aagctggggtt tctttgtttg tttttgtttt ttttttcttt tagcttttgt ttttattgag	180
agaaagcctc acatagcccg ggatggcctc aaactctcta catagctaag gatagcatag	240
aactgttctt cccatctcta ggtgtctgggt ttacagccat gggaccacca tcccttgctt	300
gtctggtggt aggatitaaa ccatggccta gtacaaaact aggcccaaac tctattgatt	360
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<210> 2740
 <211> 424
 <212> DNA
 <213> Mus musculus

<400> 2740	
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ctatccctcc ccacacctga tcctgaaccc ctccattttc tcccacatcc cctctcctac	180
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tgaatcttgt attttttggc taatatctac ttataagtga atacatacca tgcattgctat	360
cctgggtactg gattacttca ttcagtatga tattctcaag taccatccat gtgtcttcaa	420
atta	424

<210> 2741
 <211> 404
 <212> DNA
 <213> Mus musculus

<400> 2741	
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aagagggggc tatctgagaa ggtctacaga tgtttgagtt tgcaaggctg cttttctctt	120
tggtgatcct tcaagataca tgctgatcat aatgccaaat agcccctagg taaatagttt	180
cagagtctgt cttccaaaca aaacacagta tctaaactgt gtcatagtta aagctatggt	240
gatggctggc atggaaatgt cctccaaagg cttagatatt tgaaaacttg gtccccagtt	300
agtgcattctt gggggaggct tataagggtgt catgttgctg gacaaagtgt gactccagag	360
gagtgttttg cagttttaaa agtcatgtgg tactcctggt cact	404

<210> 2742
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 2742
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 agtaaagcca ccaacaaaag gccagctggc tgcctgagtc gcacagagtg acatatcatg 120
 gattattttc gcctttttgc cttgatccct acattttaca tattgtattt actaatatta 180
 tttcatgaag agcttgtaat ttgcctcatg atttgagttt tcttggtctt gtatctcagg 240
 tacatttttc tccaaacctg cagcatcaag atatctgacc tattgatcca gcagaaaact 300
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 gggctttctaa ataattacct taaagacctt aaggatgtcc aaacttccat cctccagact 420
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<210> 2743
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 2743
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 aagatggctg cttcccagga acgacaaatg gatgctgaac tatcagctga ggattcttct 120
 ccacgggtat ctcttgggct ccctcaaaga gacaaaacag gattccaaga gacagaaagg 180
 gatgatgtca cacatctgag atgtaagggg ttaaattcca tattctgagg aggaaagccc 240
 caaaaagact caaaggggca atgaaatgac tttgcctctc caggcagaat gacaaagaat 300
 gtccatctgt ctttaatcca ttctctcttt tctattgttc atttctctct tg 352

<210> 2744
 <211> 392
 <212> DNA
 <213> Mus musculus

<400> 2744
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 aacctgaaaa gtagcagtct gggctcagct caagcaggac tctgatgcag taaacattca 120
 gcatcttcag atgacaccct tgtaaagtgg gttgctgttt cccagacaaa aagccattat 180
 tttcttgctg gatcctacag ctctcaaatc tggagagagc atctagtttt ctagtcactc 240
 aaacaagccc ccaacagatc aaagctccat actagttccc agacagttct aggtaactgg 300

tgtacctccc actgcaacgt aaccacctaa aactactaag atgccccacc tcctaaacag 360
accatttcta ctattatctg tggctcctggg ag 392

<210> 2745
<211> 482
<212> DNA
<213> Mus musculus

<400> 2745
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taaagtctca taggaaagta tggtaggcta taggtttgtc ttattataacc cttgcaacct 180
gtgtctcagg accactcacc tgggaaatcc caggagagtgg gcctgaccaa agtccacctt 240
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<210> 2746
<211> 438
<212> DNA
<213> Mus musculus

<400> 2746
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gctgttttgt tttttgtttg ttttgtttgg gtttgtttgt ttgtttgttt tggatattttg 120
ttgtttgttt gttttgatat tatgatactt tccctgggga aataggaaca gatgcctttt 180
cttcctggac agaaagacca aagaaacact tccacaggaa accctcttgg tctcttaggg 240
aagaaaacag ccaaaggaac ctgatacttt cctcaagtgt tctaactaag aaaatgcctc 300
agatggaatg aaaccgtcaa tgggaactga ggaggcgac gtgtgaggtc cagcactgcc 360
acagagagga aactactggg caaggattgc ctcgcctatg tcagagggag tgcgagagcg 420
cgagaaagta gctgttct 438

<210> 2747
<211> 437
<212> DNA

<213> Mus musculus

<400> 2747

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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 tgcattggcca ttctcttcca tgtagaggat ggctaagtcg ccaaccctac	420
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<210> 2748

<211> 539

<212> DNA

<213> Mus musculus

<400> 2748

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aggcagccgc ctggttcagt cttgatgagg tgaccacagc cctgaggaga aagggtcct	180
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<210> 2749

<211> 467

<212> DNA

<213> Mus musculus

<400> 2749

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tagccaacta aagagtagtc tcattcttaca gcattctgcta gcattctctc ctgcttctc	180

tgccacaaca aatagcagaa ccattgcttc aaatgccacc tgtaatatcc tagtccatga	240
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cctccttctg gcacagactt ctgagccttc tggctctgct gtcactgtgt ccaggatgcc	360
tttcctgtcc ctgagcaaca cgaacagctt ttctcagggc ccacagggaa tttcctgtgc	420
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<210> 2750
 <211> 399
 <212> DNA
 <213> Mus musculus

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gtgctgtcca aaggattaga gacaagtcag gcaagagctc tttaaaccac acccagagtc	360
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<210> 2751
 <211> 455
 <212> DNA
 <213> Mus musculus

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gaagccttga accatatggc tcttttttat tttttgaaaa gagatttgaa ttctgaatct	120
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<210> 2752
 <211> 376

<212> DNA

<213> Mus musculus

<400> 2752

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gtacaggtca cacatgcagg agagaaatgc ccatgggtca gactcagctt tctgacatct	180
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cacacaagga aagtgtggat tctacacaga gtggtgagca acaggaaact caggtcccgt	300
agtctgtccc aggcttgact aaaaatgtct tgggttccaa ttcacagga cttgacacat	360
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<210> 2753

<211> 358

<212> DNA

<213> Mus musculus

<400> 2753

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catgaattcc ataagtgtg atgacataag ttttgatcta agaacaaatg atttcagagc	180
aatgagaaga caacgtttta gctcaattct aaatgcagga aaggcgaaag acctaaatgc	240
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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ctcagcctgg ccaacaaatc gccttttgaa agcgccaccg cgccacgggc ccggggccct	180
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aatctttaag ccgctcgtg agttcagatt taagaggagt ccgtatggtg acaaccctg	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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 gcaataaa 548

<210> 2757
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 2757

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tgatcccact ttttttccgg tgtggcgggc actcgccctt tcgtgctagc gtgaccatta	300
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<210> 2758

<211> 247

<212> DNA

<213> Mus musculus

<400> 2758

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atggcacaca gctaccaccc atccctagca gatctgctga gaccaaacgg gacctttttg	180
gagctgaacc ttttgaccca tttaactgtg gatcagggga ctttcctcct gatattcagt	240
ccaaatt	247

<210> 2759

<211> 533

<212> DNA

<213> Mus musculus

<400> 2759

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gcaaagaagt gaagaggagc caaggggaca ggagggaagg gaacaaaatt caagagagat	180
gaagatcatg aagaagttga agcaccacat tgagagggct cggtttaaaa tctactttat	240
cttagagctg gacatgacag gctcatacct gcatacggaa cagcccactc tactgagcat	300
ggagaatcca ccaggaatcc cttttcagga gagaaagaac gtagcatgtg ctgagcttgg	360
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tccttaggtg tcctaaaact ctggagctga actcccagct cccactttcc agatgttcat	480
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<210> 2760

<211> 487
 <212> DNA
 <213> Mus musculus

<400> 2760
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 catattttggc aggtgtatct tccttaaaaa caagacatta gggctggggc tgtggctacg 360
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 ctcacct 487

<210> 2761
 <211> 500
 <212> DNA
 <213> Mus musculus

<400> 2761
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 ggttgtgacc ccttgggttg ggatgttaac tatctcttca taggagtcac atagcagata 180
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 gagtgtcact gtctcaaaga agccttcctt gtctccagct aagtgggatg ccctgtgaag 480
 tgcaccctga gcatcgcaag 500

<210> 2762
 <211> 517
 <212> DNA
 <213> Mus musculus

<400> 2762
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ggtgggtgag tttagggaaa gaccacctca gatgacctct gtgaaaagga gggttttcaa	240
ggcgttctga acagtgatgg ctgcactct cagagagcgc acaagatctt ccagtcagcc	300
caagggaaaa agagctcgaa atggtcaccc agtgtcaccc gtggccttgc tgactcagag	360
ccaaggcaag tcaaacttag agtcagcttt caagaaggac ttccaatcat gtgcagtata	420
atactgtgca gtttaaactt 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
tcaatcaggc tacaggatgt atcaaaaatg ccttttctca catcttcctt gcaaacagga	240
ctccaggata gaaaattcat tcccatcaga atgagacagg taacatgtgt ttctcaactt	300
ggtggaacaa cagacagcat cctggagagc tgcagtatit caatccagtc actaaaccac	360
acattggact tccttcgcct ctgcctctct ctgatagcta ttagctaaag gatcacataa	420
aaagcagaag aggccttgga cagtttgctg tggttgggac cagatatcag aagtctccat	480
tctgttgga tccttgatag ga	502

<210> 2764
 <211> 537
 <212> DNA
 <213> Mus musculus

<400> 2764	
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cagggactct gcattggagg gaaaaccctg aaaggtcaca agttcagcca cccccacaaa	120
cactctcact tctcagcccc ttctgtgtta tgtcatctct ctttgttccc catggaatga	180
gacgtttaaa ttacaatata gagcagctgc catttgagct cttgagaact ggtgtttgag	240
agagggttct gtatgcctgc ttcactccag aaaattatta tagatgatga ggttgagtca	300

tgttgcacat ggtataaaag taaataaata aacaaccctc aggttgacac atgagttaaa	360
gcttatacag aaggctttac attaattggga tgaaatattg atttctaaga aatgtcgctt	420
gccttggtgtt 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
tcaaccctt gcagacacag aggaaattaa agccctctct taccctttca atctgtgtac	360
taatgtttat gtgtgtcagg ggctggttac agccacacat atcacgttca gctttctaata	420
tttaccacag 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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catagcatag ataaggacct gaactctgct gggaacttcc caggagctca gcagcagaca	180
caaggtggga tccatggcgt tttatattgt ggaatcaacc cactaggttg gacggttaac	240
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ccagttgaca gctcactgtc ccctctctct ctttcctgct cttatgccca tgacaagggc	360
tttccttgct gagctctgac cttcctctca agccaatagt ttcaggaaac taagctctgt	420
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<210> 2768
 <211> 560
 <212> DNA
 <213> Mus musculus

<400> 2768	
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tgtatggatc ggggaagtgg ctgagttgga cggttcttgc catgcaagca ggagaagctg	180
agtttggatc ccagcacgca gagaaaagca ccacagcgta cgtgtatgac ccctgcactg	240
gggcaagcgg tgaagcacag agaaagaagg gtccctggaa tgtgttggcc atgcaggcag	300
gccaaactgc taagcttcag gagcagtgag cgtattgggt 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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tttccagct gaaaaatgcc ggtgaaccag cacgacaagg ctgtcatgag taccagctta	120
cggttactgg caaacagcaa gcacaattaa atttcagtat tgagtcacct gtcaactgat	180
cagacttcaa ctccgactcc tactgctgag ttttcaggct gcgtgggatt tttgccatat	240

tgagcttagc ttgcattaat tgatgtgtgc tgttaaattc tagaagagcc acattgtttt	300
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 catgtttctgt gggatgggaa agggcctctg tgctctctgt aggagtcaga	240
agttgagcat caccaacca gtcttggtct gatgagagga gtgtctctga agagaagcgg	300
ggctctgatt gggcagtagc ctgagccaat taaagcgcag ggaggcctaa agtcaaggag	360
agggactgcc tctactcagg cagggatatac aatgttatgc ttggaagaga caaaaaaaaa	420
aaagtgtccc tgaccttcag ctctgaaatg tggtagacac 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
ttgctttcta gaagaatcat tgatagtaat gccacagcca ttatgtctta agtctgacag	480
gagcttgtaa attcatcatt gctttagtaa accaacaatc 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 gcgaccagc ctggacgccg cgagagtaaa cccgtgtcaa gccgtgtaag 180
 ctctggggct gacagctggg aggcggctgg cgagtcggc gccctcaac gatgtcccca 240
 cctccgcgt agaaccgcca gagttgagtc ctctccagt gccggaacct catctacctc 300
 tttgaggaac tttgatgtt 319

<210> 2773
 <211> 484
 <212> DNA
 <213> Mus musculus

<400> 2773
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 tcaatgctgc ttatgggcat ttgtaactaa gacacatggg catctcagtg gaattaatca 180
 gcatgtggat tcccctcaac tgagggtaga gtgaagtcac caggcatact cgtgctgtct 240
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 cttttgctga ctttaagtga cagaagagaa cagatgtctc tcctttgctt ttctcagttt 360
 gccttgatca gaagcaatca aggcaatggg gctgctgctg ggctctgtgg ggaaatcaag 420
 cttccgctgg ccttcgtgct gcctgagccc agaagctgct gcaatcctga aggcggctctg 480
 catc 484

<210> 2774
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 2774
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 gcacctcaaa gccctaaagc tctaattctca ctttgtgatc cagaaggtgt ttccttgatc 180
 taaaagctg gacatccatt tgtcaggcaa tagaggagtg cacagtcctc ctgcccacatca 240

cctctaataag gaaacccaga tccttttcga tgccacctag gatggcagta cttttctcag 300
catccacagg ccccttagag ccccatccat tcttccatgc caatagcagg aaggtcagcc 360
ctaccataag gtatgttcac cacaggcttc tatgtctgct ttctttcttt ttgcttttct 420
tttcttcggtt tggcccaaatt g 441

<210> 2775
<211> 335
<212> DNA
<213> Mus musculus

<400> 2775
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caagcaagat gaaaaatgac ttcagcctgg cctttggcct gttgctgaga ttagggcccg 180
aggactgtct ctggttacct tgtcaaactc agcagcacca ttaagaagga cactgagcag 240
tgagagccatt aaataaatct aagagaaatg gcagctcatc tgcacttgaa gttacacagc 300
tgagaaaagc ctccctgtgc tctaatatgt gtgta 335

<210> 2776
<211> 352
<212> DNA
<213> Mus musculus

<400> 2776
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atgtagctgc ctcttggtga 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 gcaatatacct	180
gcctcttttg caaataatgg atcgtttggc ttcctgaact tctgcataga ttgtgtgtct	240
ctccctgcgt ttacttaaca tcttgagcag aaatgatgga attagagtga tttcttactg	300
gaaaccaagc acagagagga gcaagtgctg actacttttg ccacggtgca agataaaaca	360
gatgtccaga aaagtcactc cctgacatta ctttaaaata tatgtttcac cgatcttctt	420
tatcgagaaa aaaattcttt ccaactcatc ctttctgttg ctgatcttat aagcacccat	480
atcaaattat agatttgaaa tagaagagtc accctagacc tctaattgtca ag	532

<210> 2778
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 2778	
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tgctgtctgt aaatctaattg ctacgggatc tgacaccctt ttctggcttc catgagctcc	120
aggcgcacat gtggtggcat ctttaaggcca 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 gccagctgt	420
tccccacttg gtgagtgtcc tgtgtaacct ttata	455

<210> 2779
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 2779	
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gatgccttga ggtgagcaac tttgctctga aaggaactgt gactttcatc aggggtgttct	180
ttttacttt 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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 aagattcatc tctgcagcca ctgcttaagg agaagagaat tcggagaatt caggagtcag 420
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<210> 2781
 <211> 482
 <212> DNA
 <213> Mus musculus

<400> 2781
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 catcacgggg atcactgctg gtctggttct ccttcagtt ttggtcactg gaggtctgtc 180
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 gaaaggaaac agagacctag tccctccctc attctgttaa acaaccagc agctgggcac 420
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<210> 2782
 <211> 357
 <212> DNA
 <213> Mus musculus

<400> 2782

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atggacctgt gatctgggac taccatgtgg ttctgcttca tgtgtcaagg gaaggacaaa	180
gcttcattta tgatcttgac actattttgc catttccctg ccctttcgac atttacatag	240
aagatgccct taagtctgat gatgacattc atctgcagtt taggaggaaa tttagagtgg	300
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<210> 2783

<211> 498

<212> DNA

<213> Mus musculus

<400> 2783

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tgctaacaga tcttaggtac caggagggaa aggccagcga agagacagaa ataaataaat	180
gtggtctgaa tgttaatgac cccacaggct catatatattg catatttagt ccccagttag	240
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taaactttctc agctactgtt ctagtgccat ctgtcccagc actcttcac c ataacgatca	420
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<210> 2784

<211> 454

<212> DNA

<213> Mus musculus

<400> 2784

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cccgaagcaa attggaactc tacaggaaga tcaacagagc caactaacct ggacccttga	180
ggactctcag aaactaaacc accaaccaaa gaacacacac tggctgaacc taggtaccac	240
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attcttaaag ctgttgtctg tctgtgaaat ccattaccct aacttagctc tcttgtctgg	360

ccttggtggg agaagaagtg cctagtcctg cagagatttg atgtgccagg gtgtgggaat 420
 acccaggaag tgcctctact ctcttgagg 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

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 ttgagagacc ttttggtctc gtttacgtat gaccaacaa ttagtactg tctgaagcag 480
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<210> 2786
 <211> 530
 <212> DNA
 <213> Mus musculus

<400> 2786
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 tataaagtca cagtcctggc cccaactgaa gggcgtatgg tgtgcacggg tgtctgcccg 180
 cacgtccggg tggatttcct cctcaggcga tggaggatg gtgctgactg gtccttcagc 240
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gaatgtccca ccaagacaca tttcccagag aatgaggaag actccacagc tgctgaggag 480
gcaagagacc cgtgccgaga tccttcatg gccggatccg ctaaagcaaa 530

<210> 2787
<211> 357
<212> DNA
<213> Mus musculus

<400> 2787
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tgaggactgc gtacgtgcct ctctgcgtgg gggagtgggg aatgctgggc tcctctctg 180
gaaccagaa ggcctagctt ctagaaccgc tgctgacagg tgtctgcgga ggaggctccc 240
catctgctgg accaaccgcc ggcttcttc 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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tctcgctcat tcacatcaa tgtaactggg gagtcttcaa gtatgtccct tacccttcc 180
ttctgcttcc tgaagtcttt gtgactctat agctttgtg 219

<210> 2789
<211> 409
<212> DNA
<213> Mus musculus

<400> 2789
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taaaagtgga tccttcgtcc aactctggga atgaacagca agtagaaccg gaggaatcac 180
aacaggcaga gagtcaagag cattgtgact ccactggaaa acaagagaaa aatcaacctc 240
gaaaaagaaa tgtagtggag gttaaaaatc tttcttcac tcctgaaaac tcacaagggt 300
cacccaaca 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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 catattccca ctgactctgg gagagccctt tgagatggag gtgagtgcag acgcagaaca 180
 cttccacatt tatgccaggg aacaaaagggt gctccagttc ccacatcggc accgaccgct 240
 ggccaccatc accagagtgc gagtgtctcag 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 acgggggtcca acgcccctct 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 tgacttgga 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
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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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cttttccaat ctaaagtatc ttataaaacg tcaaaggaaa attagatttc atagaaagat 180
atatttttaa ataaaattct gtgtcctggc taaatctaga gaggtttctt ttattcccct 240
aaatatttga ttcccctgaa acttctaagt cccgaagcta cagctttccc ttagattata 300
ngacactcac atacttcttt aatatcantn ttncatcat ttttgaggtc cagtcataga 360
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agccccctcca tggaagtttg ctt 443

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<211> 374
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<213> Mus musculus

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

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

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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 agagatgggt cagtagttaa gagcaagggc tggtcttcca gaggtcctga 360
 gttcaattcc cagaacccat gtaaaacact ggggtgcagta gtgtccatct gtaatctcag 420
 cacacctaag gcaagatgga gtaaaacacg agagactcag gtctgtggac cagagcgtgg 480
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 <212> DNA
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 cataaataaa tcttgctggg caattgtggt gcataccttt aatcctagta cttaggagac 180
 agaggcagac agatccccga gtttgaggtc agnatggtat acagaatgag ttctaggata 240
 ggcaggggcta cataaactat ntggaaaaaa aannaatttt tttttttaac anccagatat 300
 gttgntacan actttcntta ntccnaatat gcaggaggca gaggtagcca catagtgagt 360

tanaagccag ccagaactac atagtaaggt ntcaaaacca aataaaaaatg taaatganga	420
anntacctaa taaaaatata gaatacaaaa cacaaaaaca aatacaaaca cttttaagc	480
aagatctgtg ttaacacctc tggagaaaaa ctcacgtatt aggcttt	527

<210> 2798
 <211> 505
 <212> DNA
 <213> Mus musculus

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gcttgctcca gttcctataa catcttcttt ctaaatggct acaagtagac acaagctaac	120
aacgggggat cccttgcaca ccccaaaata taatatgaat ctgaatgggg taaaatcccc	180
acttgtttct catgcccata ccaactgtacc 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
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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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aaggactgtc tcaactgtcat ttctccact ttttgtttga gaaaggggtct cactggcctg 180

gaatgtcacc agatggctag ttggccatcc acctccaaga ttctccacct ttcattcac 240

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tccaaattca ggccttcaca cttctaag 328

<210> 2800

<211> 484

<212> DNA

<213> Mus musculus

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

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 tataacaaat gctgagtgac cacaacaaaa caaacaatgc cagaggactg gagttgaatg 180
 cacagtgcct cctaaatagt acctgcttcg agtcctggct gggaagttgg accatcatcc 240
 tgggtaactg ggaggaaatg aagcctaggg agactagatt aaatcctgag cgtacgtact 300
 gttgacatgn acaggaccna cagcanggac accgatgcc gagacccatg gggaatggca 360
 gggctttctc ctggtctgtg taccatatt gacagtcagt atatgcggaa gctatcaact 420
 acagctttcc ctcttcctgg atgagtgaca gctccctaca atgtaccct 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 ggggtttaaa gttcaaaaca agctgagttg ggtgggtggt ttacaccag 240
 taatcctagc acttggaag ctgagacagg acgattgcta agtttaaggc ctatctagga 300
 tatggtgcat tgcagatcag tctgagatga aatataggat gagaccatgt ctcaaacaaa 360
 attgaactaa atgagtaatg tggactttga tggattttta agttaattaa ggtacaatat 420
 cagacagctg agaaacggat ggatggtggc atgtactgaa tgattaacca gaattccttg 480
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 <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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 tcattttaaac tgtagcataa caaaatatatt agaaagcttt gctcattcta aagcttcaat 180
 ttatatgctg ggggggggat gtcctaataa aaattacaca aagaaacttt gtccagattt 240
 ggttattgat agttaactgg agaaaagggt ttctcatntc atagaagnta ctagaccaca 300
 aaatntcaac atcacagcag agtgaatntn ctggagggnat gggcagataa gaggaacccc 360

catacctcag antntggtat ttgtcagaga taagcaataa ggctaggctt tcagttggtt 420
 gcgccctaga agaaaataaa aggaaaggcc agtctgtgtg taaatntata cccttactaa 480
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 <211> 449
 <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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 gtgcaagtta acactcacac caacaataaa ggagcactcc ccacaagttt acactcacac 180
 gaagaatgga ggggcgctcc ccacaagttt acactcacac gaagaatgga ggagtgcctcc 240
 ccacaagttt acactcacac gaagaatgga ggcattgcctcc ccttactcca catccttgcc 300
 agcatgagct gccacttgag gttttgatct cagccattct gacaggntta agatggaatn 360
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 ttcttagcca tttaaagattc ctctgtcaa 449

<210> 2804
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 2804
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 tgacctttgg cccctgcaca cctcccaact ccctctcaca tcagtcctct gggtttactt 180

cttcccacta agcccatcgc ccaggccgct tcgcccacc 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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tacaatacac tggagtcttc cactgctagg cttcaccaat agctctcata ggctctcttc	180
acagtgctaa gcctcaactt ctttgcatga ccccttcagt cctgggctgt caactgcaac	240
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tcgagtacag ctgcagcacg aggtacaacc ttggctatca ctggaacaca gcttctttgt	420
gctctcagaa aacacttttc agaagatttc accgcagtga tgcaggctctc ttcttaatca	480
ccactaattt cttagctcca gctaatacgc tatccattgt cctagtagtc tcc	533

<210> 2806
 <211> 483
 <212> DNA
 <213> Mus musculus

<400> 2806	
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tcggcattct ctcatccag caaagaccgg aacaggagtg aggtttcggg tagaaacagg	180
gagatgtcag tcaagggatg agcagtgtt tcgccaatta gcgcacacta tctgcggagg	240
ctccaccaga atggggcggg acataagggg gagcctactc ttgattgggt gagagggact	300
aggtcccgcc ccctcgacct agtagatttc caggccgcgc ccccttcagc cggtagccct	360

tgggtacgcga agtggggccgg tctggcccca cttcacagcc gatcctggct gcgtccggtg 420
 gaaggacgcg cagattccac agagtccgg gagagtcccg cgctatcctt acggtgaggg 480
 aac 483

<210> 2807
 <211> 550
 <212> DNA
 <213> Mus musculus

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 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 ttttcccca 420
 gggcttctgt ctctttgcta aacttccac tttgttgatg agtcctttct ctggttttgt 480
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<210> 2808
 <211> 511
 <212> DNA
 <213> Mus musculus

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 <222> (430)..(430)
 <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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 <223> n is a, c, g, or t

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 gtgggcggtat gtaggttctc ctccaagatc cataacttca ctagccccag ataattgggtt 180
 aggtttccag cactaggttg aaagacctaa agtcagacc ttaagtccaa ctagagagct 240
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 gtcattgatg tggttcactg gcatcatagc taggtaggat tgttggtct ctcatatgga 360
 agttttcgtg gtatcttatg gtaccataaa agctagtcct caggaagna gacttcatgt 420
 cagttccagn tcaagggcct cggggtcttg tgtntaaagt gcacatgac ntcagcaaca 480
 ggntcttctc tcctagcttt ggtttaacca g 511

<210> 2809
 <211> 402
 <212> DNA
 <213> Mus musculus

<400> 2809
 aaattactct ttactgtcc acagcatgtc cttctgctga atttgagttc tagggttctc 60
 ctggaacttt ctctgtgctg ggtgggaaga tgcccgga aaggctcttg ctctgagcag 120
 caagagcctc agactcaccg tgcattgtt tcccaggggc ctttgtgtca gaaggctccc 180
 actgtgtaac tgtgcgcagg gctctgagaa ctggtgtttc tatctgacaa cgctgcctgg 240
 acagctcaaa gtggccagag tgttgactct ggtgacctg tccatgtccc aatctgagtt 300
 acagagagta cagtccagta tgcagagcag agtggtatat acctccttca ctgtggtata 360
 tagtttcctt cactaataca gctcaaacc tggtgttgt ga 402

<210> 2810
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 2810
 taggtctgca ctctgggtca tcatgccctc aggtagcata tgtcgagtgc tccctgctgt 60

cctagcccca ctttgtcatg gctggtcctg ccctcaccta ctctcttttt cttgatactt	120
tccacacccc tcaaaggtca ccagtacttt tttctgattt ctccaaacag gaaaaaaaaa	180
agtgatagat agaaacacaa aggaccggag ttgtttaagg cccttttcat cccaggcacc	240
aagccacaca cccacactcc aaagcagccc gtttccacag agcagacaag agggtttttag	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	
atagttagga ctctcccatc aatgccgaaa atattacctt cggcccagtt taacacctga	60
tgctgacaca caagaaaccc aatggcagca atgggtgagc actgtgaagc aggtgggaca	120
actcctcaca ccggccctt cccgtgagca gaaaaagatg ccattattca cctccctggg	180
cacaaaaggc aactgaagct tcaagagatg tcatttgaca gtcgtgtgtg gcagatccgg	240
ggactccaga atactgcctc cctaaggctt gtctccacca tggaatgtcc ccctacgctg	300
agacatgcaa gcagatagat ctctggcgtg agctggcctg gggaaagctat ggaggggcct	360
gctatgtact gctttcttca ccagagaatt ctttctgggt ccctgaggta ctctggtagc	420
tggcaagcga tgaaagaaag tggaagtcc gaaacaaggg aggggtgggg acctcaggat	480
gtcagtagtc cccaaagcat caatagtgtt ggcaaatcta tcaggtcagc ctttctagaa	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 ctacctaata aatccttagc agagcacaca gagacatggt ccgcaccggg	240
aagagaaatg gcatgctcta tctcaagttc aggactttgt ttagttttaa ttaaaaaaaaa	300

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aaaaaatatg aagtccagaa actgctgaat tgtctattag tgactttaac tccaggagaa 360
gagaggggtga gcttggctct ttaactacag tagaaggaag ggtgagctcg gcccttcaat 420
gagttctcta ag 432

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<210> 2813
<211> 500
<212> DNA
<213> Mus musculus

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<400> 2813
tcaggcctgg aaattttgtt gcaatatctt tcttttaaag caaatgtgga tttttgttta 60
gttaaagtct gaatgtcagc aaagggatat gagacaactc ccagcatgat tcaactgtgca 120
ggaaggttct cgaagctcag aatctctaac atgtaaaata cagccactct gagtccctta 180
tctatgacca ctttgggtcc ctgccaacag tgaggtagtc attaacacaa ctgcgtgagc 240
tcctgggaaa acggaaaagg ttcttccttc tgagggaac catctacttc ctataacatt 300
gtgggtagac cataatttgt tttaggtaga aaagtcaatg acgaaattga tcatatctgc 360
cagtagctga gaactgggca cgagtggaca cggcgggagc gaggtgaaga atgtgttttc 420
agagtcactg agatacttgc tgtgtgttgt tgttgtctct ggttattcct tcctcctctt 480
tcccactcag atagtttgta 500

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<210> 2814
<211> 462
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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

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<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (436)..(436)

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

<400> 2814

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atccagtcta aaaatgttaa atttcatttg gtctttcaaa gccgcagtca aaatcacttt	180
ccaggccaca agtatgcttt tgaaagcatg ttgagggtgct tctgtgatgt gtgattggta	240
tattgcacaa tataccacaa taggggtgggc tttgtctctt ttgcaagtaa gatatgccaa	300
cttgagtagt tctgtgtggt tttagtgtta ttatagggga gctaggatga aaactgcttc	360
tttattctct ctttctctct gtctcttatg ttcacatcatg gaaattgtaa gncgatttnc	420
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<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

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gagaccaggc agaagagaag atagtatttc tattataatg catggagtgt ttttggaatg	120
tcacataaat aatatgtttt aggtaaatat ttattatatt taataatgat gataatttaa	180

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tagcagtcac tttattttaag cggtcattac gtgatggatt ctactaaatt ctcttatcca 240
tgtagtttta cataccagat taaattttta agtacatgtc attagcttca gtttatatat 300
gaggaagccg attaaaaaga taaacaatat aatcaatgtg ttttgntcta ttatgaacag 360
aagnacgggg ttttacattt gaatctgttn gacnaaaaaa ttctttnttg ataattgctt 420
cattaggaaa actgatcgga gtgctaagat tagaatcatt attttaaaaa gagaattgaa 480
atggcagcat ccatcattag atgctgtgtt atgtatatta ttccaattat ctcaatt 537

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<210> 2816
<211> 458
<212> DNA
<213> Mus musculus

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

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<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

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<400> 2816
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gggatggctg ccctaaaact cacaggctgg catcgaactt aatgaaatct gcctgcctct 120
gcttctgctt ctaagtgttg gaattaaagg catgagccac caattgcagg ctcctaaatt 180
gactttaatg cttctagaat ttgcgagcac aggggctctc aaaatatatc cattttcatt 240
cattagccag tgtcttatat ttgccttaa agtcgtgtat ttcccagatt ttgtcctctt 300
cctttaacca cttaaatcac taaattttta tntctttcag tgaccatgga agggntaaag 360

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tantntttaa gatatttgn tctaaataca ttgggttaa 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
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 ctctctatg tggagtcatt tcattagttt ttctatggat atatacattt ctagtatcct 120
 cctcacaatt ctttcttgt tcatattctg gtcttggatc aaaataaaat cctagggatc 180
 acaggtgttg attacattat ttgatttct tatagagtta tctagtttcc attacactaa 240
 aaccatacaa aacagtgtgc tgaatgcct atttatgtca ttgtaccat gacttgatat 300
 ttgtttatg tcttagaaga acttttagtt ttgttaataa tntggaagaa tttcccttag 360
 ctttggatgc taaaaagttt cggttttcct tggacataaa ggaattagat ttgtgcttn 420
 tgtntgcact agcantggga aagctcagat ntgaaaactg tgtgaggtta ttaataattg 480
 cacatcacia 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
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 tgacacactg ggtaagttaa aaagagttaa agacttggtta tttggggaaa aattcatttt 120
 ctttctatca tatacttttt aaaaaacaac agcaataaca aaaccctcaa aacaggggtct 180
 ctagtagccc aggttgggtct tgtacttact ttgtgtctga cacctgcagt gcctgggtcct 240
 cctaccttag cctttcaaact actgcaatta ctagcttatg caccatgctt ggcttaatga 300
 tgtatactat tcgtaaaaga taaaataaat gatgtatcaa ggatattaaa tattttaattt 360
 gtataagttt cnaaataaaa tntttttaaa 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
 tatattttctc tccttttgct atctttttcca caataaccag gtattgtaag tctccatttt 360
 cttcatgtta agattttctct acagtgtatt ctttcccatg caagtagcac gatgtagaag 420
 acattcagta gatggtaaag cgccttggtt 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 ttccttgcac tcttatccgt cttcctcctc 240
 ccggtggggc ccagggcacc gttgcttggt tttgggtctga ggaagctttc agttggttat 300
 cttataggcg ctctccactc tccactcacc gtttgcaa at gttgccagc ttacagtgcc 360
 tccctgttaa ctttgtaga 379

<210> 2821
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 2821
 ttacagatag aaccagctt gccctctgct tcagcttctt gaacactgga ttctaggcat 60
 gtgccaccaa gccagacata acagttctaa gaatgttagg cagaccatgc attttacttt 120
 cgtacagtaa tgttcttttag aacacgacta ccaggatgtg aataaaacct gactcaagga 180
 ggtttctctg aagcccatcc ttatgggacg tgcacttgat attttgcct ctccctgaaa 240
 acaagacaga cagggactct actgtccaac agtcagactg attgactttc agatgtgagt 300
 ctgaatttat ttacgggcat ggtcagctat gtttgccttc agtggttact tggaaatgga 360
 aaggaagaca atattctttc cttaaaaatg ctgtgtctct tcagtatgga attatgatgc 420
 aactcactg cactgccagt ggctcatctt taaca 455

<210> 2822
 <211> 333
 <212> DNA
 <213> Mus musculus

<400> 2822
 cctttctgta gtcactgtgc aggttatcaa ggcgttcac tcacaagtgg aaagaagcag 60
 tagccgtcca gtacttggca gatgcaggaa attaaatatt atagcggctc agtacatcta 120
 gtgcattcat atttagctta tcttgtgcta tgagaaacac taatgcatgc aagtgaagtt 180

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agtcagctgt ggtggtcaaa tctgctccct actgattctt tgaatttcaa atgcattttc 240
tggacttgac acttgacctgc tagtgtcctg ggtagccat gagggaggca aagagatagc 300
atagagtgag gaatgctgcc aggaggtcat aaa 333

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<210> 2823
<211> 421
<212> DNA
<213> Mus musculus

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<400> 2823
aatggctttt gtggtgttct ctagtggatg ccaacaacca tttgtagaat gaagaaaaag 60
tccttgaatt ttcactttca ttttgcattt gtctggccac ttacttcagc agaatgcctg 120
gacccaaagc cactcatctc agtcaactgcc tcgtgtttca tctcttaagt gctcaaacad 180
ttcctccatg ctgaagggtc ttgatccacc acagaggact gactccccag catcttatca 240
gatcctgttt caagaataga tcagatttgt atggtttctg ccactccgtc taatctgcat 300
ttgaatgcta agacacattt taattgtttt gaggcagaat ataaacatat acatcacatc 360
tgccgaagaa gacgaagtag gaaaaaat tacaactgtc gcaacttttc aactatctca 420
a 421

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<210> 2824
<211> 433
<212> DNA
<213> Mus musculus

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

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

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<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

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<400> 2824

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tcatctgcca gtgccttccc atcatggagg ggggagtcct ctgaactgga gagttagcca	180
gtcttctctt tgggttgctt atgtcagact ctgcctaggt gttgcaaagt tccttctca	240
acagcatact tcactcctga ttctgagttt acagccagaa aagtccttcc aacgtcttac	300
agatncctct gcttcaaagg tgttactgtt 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

cggttcaagc agtgtttcca ggtcagcatt agaagggaaac ttggacactg tcatgctact	60
gtgacctcta attttcttat cccattttca tctaaagtga ctgaaatgta cattaagcct	120
ttttctcaca atgtaactta ccaagtaaac tcattttcca cagtgttctg gatatttcct	180
taagagttct ggacaccta taactcacia atacatgtgg gatggaacaa ttcaaactac	240
aatggggctt cgcttccctg agtttctaata ttattactt gtgttttaggg caacgcattg	300
ttcacccata gatcacattt ttgtttgaaa gagctgttgg aagattcact gcttggtg	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 cggtcagtc tcataccag ctgagacca	180
gccagtcctc agaccagctc agtcccagcc agtcctcaga ccagctcagt cccagccagt	240
cccagtgctt 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

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tttcttgccc agatccactc ctcctctgc atccctttaa aaaaantaaa aagaacagac	120
ctcctagggga catcaaaca acatgacatg aaatgctaca ataagggttag gcacctcccc	180
ttttaaatgc ttgattacc ttcctctagc tagagtttgg ctgtgggtct ctgcatttgc	240
tggcattagt ttctggatga caatacttga taataaaaaa caaaaacaga aagaaaatga	300
actacctgat aatgacccta accatggtga taaaagaact ctaccaaag aatttatctg	360
tgaagaggga atttaggaaa gacactagga attagaaaga tgttccatgt tgatgttttg	420
gtagaatgac ttaatatcgt gaaatgacta ttctaccaa aatgctttat atattcagtg	480
taactccaat taagctccct atctcattct ccacaaacat ag	522

<210> 2828

<211> 462

<212> DNA

<213> Mus musculus

<400> 2828

attaactggc tgtggtgacc gactttgact tgaaatgcc cactggggct tatgtggagc	60
ttggtgcctg ctggtggtgc aattgccaaa gattgtagaa actttttgga ggtgggggtc	120
aatctagagg gagaaggatc agggatgtcc gagggcttta cctggtccaa ttgtccaagt	180
ctccttctgg cttcctgccc atcatgaagt aaataacctc cccatatac tgctgtcatc	240
ctgatgttct gctcaaatgc gatggccaag caaccatgca ataaaccctc agtaaccatg	300
aaccaaata actcttttcc ctttaagttg tcaacacagt ggcacaaaat taactcatat	360
gtggccctgc caaatactta ctagtattgt gaggctgtag gatgctctgt gaggttacct	420
aggcttatcc 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	ttttgggggt	ggatgaggaa	atgggctcaa	gtatttcagc	cattatgaca	300
agccctttta	aacaactgtc	atgggagtg	acttagcttg	ctgctttgtt	agttccttat	360
tatactgctt	gcccaaaata	cttgcattga	attaaaatgg	tataaaaagt	agcttggaag	420
ataaaaattt	gccttcagtc	tcagaattgt	ctgggggtcat	gctacaatgt	tgtctgtctt	480

<210> 2830
 <211> 549
 <212> DNA
 <213> Mus musculus

<400> 2830						
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tggggtgggc	aggaagcctt	gcttcaccca	tttctcatcc	tctttgtggc	agaagcctag	120
ctcttttcat	gatgatggag	gaagagtcag	agagcaggct	cagtcctact	tacattatca	180
gttaagcctt	ttgacacgtc	tgtaaacatc	tctgtgggca	aagcaattca	cgtgaccag	240
caccgaggag	agcaggactg	tctcccctgg	tggtctggta	atttctcaac	aataaccagt	300
aacaatctgt	tcttctgtaa	aggcctgggt	cacaaggatg	ctgttgagat	acacagtgtg	360
acagaagcta	aagacgtggc	tcaccactta	agagaatgaa	gtgctcttgc	agaggacctg	420
agtttgagtc	ccagaactga	tgctaggcag	ctctcaatga	ccagctctag	ctcccggggt	480
ccaatgccct	cttctgggtct	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	tcaggggggc	tttgtttagt	cagccttttag	taaaagcaaa	120
agttataaaa	tgtactaaag	aaataatccc	cattaatgct	aggagacaga	gtcatttgaa	180
gctgcaggaa	gttgtcttgt	cttgttttta	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
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 ttatTTTTAT ttatgtgtat gcctgtgtga gtgactcccg tgtgtgtgtg tgtgtgtgtg 180
 tgtgtgtgtg tgtgtgtgtg agagagagag agagagagag agagcgctca cagaggccag 240
 aaggggggtg 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
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 aaggatagct ttgctggggg attcttggct acaagcttat ttttcttcga acactttgtc 180
 atttcatact tttctgacct tgaaagcttt cggggctctg atgacagcca ctctcttcta 240
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 agtatgtatg tatcatgggt ggggtgttcac atgccacaag acaagtgtgg tggtcagaat 360
 gctgactgtt ggagtccgct cgctcgctca ctcgctcgct ctctttctct cacaagact 420
 ccaggaatca ctgaggtcct tcttcctgc aaagccatct cactagcctg ccggtagtgt 480
 ctgagcttgt ctttgtgtag tgc 503

<210> 2834
 <211> 485
 <212> DNA

<213> Mus musculus

<400> 2834

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gcctcttaga aagcaaggga cacactctgc tctccatggt gccttccctg agagtgtccg     180
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tggtcaaggc tcagcttggc aacagctggg agggacctcg gccctgatct tccttagagc     420
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<210> 2835

<211> 453

<212> DNA

<213> Mus musculus

<400> 2835

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cttggttaagg tgtgaaacac tgaacagggc tcccaagcaa gttcctttta acttttgcct     180
aaacttttgc cttatccaca ctttcttctt gcttcatata caggaatgta ggctgggact     240
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agtggaaaga atccagggtc tggagtctcc atgagcctta gactgatgac ctccaattcc     360
acttgagaaa taaaccacca ttagaaaatg ttgtttgacc tttcctgtta catgcaacta     420
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<210> 2836

<211> 500

<212> DNA

<213> Mus musculus

<400> 2836

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ctcatgatgc aaagcaaagt acaaaacagg gcaagaaggc tgcacgatcg tctgaggggg     180

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gatgccgttc	tacaggaggc	ctctgatggc	ctgtgcattg	tcttttttgt	ggggtcactg	240
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gtttgagtga	atthttggcca	cctgctaggt	gggtgcctttt	ataaccctca	ggatgaatcct	360
tcacctagaa	gaaccagtct	gaaagtcaac	agagctttta	caaacaattc	tcttgthtttg	420
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<210> 2837
 <211> 374
 <212> DNA
 <213> Mus musculus

<400> 2837						
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ggattgtgtg	tgtatgtgtg	tgtgtgtgca	cacatgcatg	tacacattct	tattthtaaaa	180
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tgtgagtgtg	ataatatgaa	tcattthctta	tgacttgtgt	thttcaagga	gtthaaacac	300
agcgagtaca	ggcttagtgt	thctactgtg	agthttctgct	cattaagtgc	ttgacagatg	360
aaaggagtct	ctag					374

<210> 2838
 <211> 532
 <212> DNA
 <213> Mus musculus

<400> 2838						
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ggggaatgcc	accaacttgg	gaaagtgcct	thcctctgga	agthcacagg	cctgggttcg	180
aggcctcagc	cctggctgcc	attaactagt	ctgctthtgt	ccctthttgt	ttggthtttc	240
thcagthctt	tcttagccct	aatgggttht	thcacaaggc	tcagggtaga	caatgacaaa	300
agaagcaaag	ctagaagtat	attcatatag	agagacaata	ggaatcaagt	agagcattaa	360
caagctthca	agaagthtga	tactgtgaagc	aacagcttht	gaaaggtctc	ctgaactgca	420
gctgctgtgg	agacctctaa	taaatctgaa	ggagcaaagc	tgtgatacag	tggggaagga	480
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<210> 2839
 <211> 541
 <212> DNA
 <213> Mus musculus

<400> 2839
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 tcggggccact agcctgaata ttgtgcttat gtcctagtat ttgaaaagga gagagggtcaa 360
 aacggggcaa cataaaaaata gctgcaagat tcctcttctt gctgtcagtc ctgtagtcaa 420
 atctgctccc ggagcactga tcattgtgta gggaaatgac cgtcgcagac atgtccctgg 480
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<210> 2840
 <211> 480
 <212> DNA
 <213> Mus musculus

<400> 2840
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 cctgcactgc ttctgagtgt tttttctttc tttctccttc ttttctcctt tttttctttt 180
 tgtattttac ctgcttgcac gcctgtgcc aaggagggca tcggatctcc ggacattggg 240
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 tttgttttga gacagggctc cactatgtag ctctagctgt cctaggactc attttgtaga 360
 caaggctggc ctctgcctcc ctagtgctag gattaaaagc gtgagccacc gtgctcagct 420
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<210> 2841
 <211> 429
 <212> DNA
 <213> Mus musculus

<400> 2841

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atcaccttaa atgacttctt tccaaacaat taatTTTTTA cTTTTTctt tcctttccta	180
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atgtagaccc tttaaaaacc ctctgcagg aaggaacagg ggagcaatgt gacgccacct	300
tttaatcttt tgtaagagtg aaaaggcaga aaaggaacgc tcgatcaagc tgagctgcac	360
acatgactaa aactcgcagg agacgctgct gcttgctgcc tggcgaaagc accgccaggc	420
ttgagtgtgta	429

<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 cccagatgg gtatgtccaa ggtgaatcta	300
aattctgaca agttgacaaa gttggccatt gaagaaggaa tctgccctac atattttagg	360
ttgagcacag cttgggcagt accttggttt ccaagtctag ctttctggaa acaggaagtg	420
agagagggta tgcctagtct tgcagtgc	449

<210> 2843

<211> 557

<212> DNA

<213> Mus musculus

<400> 2843

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ccatgtccat gtccatgtcc atgtctatgt ctactgaaa 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 tttaacagaaa gtttactaac cagtgactga aaacataggt	540
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<210> 2844
 <211> 481
 <212> DNA
 <213> Mus musculus

<400> 2844	
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cctgtcactt acacaaagcc aacccactt gtctaaggctc tatgaacata gatgaccag	180
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cacacttgct gaggtcccag acaggaacag gctgtggcca ccaccaagag gcccaagggc	360
agaatgaggg acacttctag ggaagcaaaa gtctttctcc agggacagtg aacagccctg	420
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<210> 2845
 <211> 470
 <212> DNA
 <213> Mus musculus

<400> 2845	
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cgatccctgc tatccctggg tcaaaccxaa gagaccacca aacacctgca tggctctagg	180
tccctcaaca ccagtctcaa ctctaaccxa cagctgtctg ctaagagttc cgagcctgaa	240
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accaactgga actggaattc taatttctaat attcactccc catggacata tgtaaaacac	360
taataaaaaca gtgacctgcc aagtgcctca agtttcaggt gtatagaaat tattcttaca	420
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<210> 2846
 <211> 511
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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
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 actggccaaa tcaatgttgc aaaccagtga ggttnagggt cagtgaagaa tgttgtttaa 420
 aaaaaattca gatcgcgagt gctaaataaa cctgatgctg atctttggct tccacgtata 480
 catgctgac atacacacat agacgcatag a 511

<210> 2847
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 2847
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 tgtgcagaaa gggaggctat ttcagcatgt gataacatct gaggacacgc tacatgggag 360
 ttcagggtctc tgttcatacc cctcactcca aagatcatga gcctgttctg ctaacattgc 420
 tta 423

<210> 2848

<211> 529
 <212> DNA
 <213> Mus musculus

<400> 2848
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 catcctcaaa gagatgtttt gttttgtttt gttttataaa agattttctg agggcggtac 180
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 tacacattcc cgtctacttc tccaaagggc accatggcag cctgctggcc tccttaacca 480
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<210> 2849
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 2849
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<210> 2850
 <211> 411
 <212> DNA
 <213> Mus musculus

<400> 2850
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caagccaaaa ctgataaggt gtgtgtctgc ggctgctcat caaataattc ctgcagctcc 300
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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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 agtgcagtgc agtgtatgca gtgccctggg tt 452

<210> 2852
 <211> 420
 <212> DNA
 <213> Mus musculus

<400> 2852
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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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tttgcttgcc agctggacca ctgactggta gtcctgtgga gaagagacat tttgtcagga    420
tgcccatcca aagaaagtgc ctagcgttct gaggactctg gtgtcagctc aagtcagggc    480
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<210> 2854
<211> 494
<212> DNA
<213> Mus musculus

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<400> 2854
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<210> 2855
<211> 500
<212> DNA
<213> Mus musculus

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<400> 2855
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tttctgaaaa atatgatgta agattgacat tggctttcta ttgatactgt ttttattatt	420
cgttgtacta aatataaata atttcattaa agcaatcaat atatctactt atgtttgaag	480
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<210> 2856
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 2856	
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gattctgtct caaaacaaac aaacaaataa ataaaataaa acacaatgaa agatgggggtg	360
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gtctcc	426

<210> 2857
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 2857	
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cagcatctgg ttccatgtt aaagttcttc ccaaatagaga cattggcctg gtttcctctt	360
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<210> 2858

<211> 485

<212> DNA

<213> Mus musculus

<400> 2858

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acagcctaaa tatcccagga ttggataaac aagtacaatt catgtataaa atagaacact      240
gtcagggttg ggaaggggtgt tctactgtac agtgagaaaa agaaaggggtg tttagaggag      300
taaagaaact gctgttcctg gatggcgtgg ttacagtgtg attatgtgta aaaacggatg      360
caattatagt acaccctcac atcaactttt ctgtaagcct acgataataa acagagattt      420
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<210> 2859

<211> 526

<212> DNA

<213> Mus musculus

<400> 2859

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tcacatgtat ctgtccattc ctctctgata ttactcata tttaatagac aatcatattt      180
aaaaacactg aacataataa aaccaataaa caagcaattc tacaaggtag aaagaaatgt      240
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atcgctttct tgtatctttt atatactgga tgcgatcctg gatatcctac attatgcaat      360
tatcaacagg cacaacaag ccaaaccctt aaatttcaca ttttctctcc aaactaaggt      420
ctgggagaag gatgagttag caaggaagga ggggtggttat ttttaatttt ttttcataca      480
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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
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<210> 2861
 <211> 378
 <212> DNA
 <213> Mus musculus

<400> 2861	
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agctgtgtga	cagcctcatc agtggccggc acgtaggaga ccgaggctgc atctctgcc 180
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actaactgcc	cttgaga 378

<210> 2862
 <211> 553
 <212> DNA
 <213> Mus musculus

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agaagtcact	agtccatgga cagcagatag ggatgcaggc agctgtagga agggagacca 180
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gaggaggcag	atcacgttgg gtccctgact tctgcagcgg ggaggaccga gcaggggctg 360
gaccacctac	gtcttgatgg acacagcgct ggcgttcctc ccaggctcag aatgagcctt 420

ttgtttctcgg gactcgctgc ctttctgaac ccaggctaaa aattgcttca gttcttcctg	480
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<210> 2863
 <211> 348
 <212> DNA
 <213> Mus musculus

<400> 2863	
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gctcccttct ggaaatcacc tcgtgtcggc caccctcgcg gtccattcat ttgtgtttca	180
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ccctgtgggc ctctgcaaaa tcagctcctc tcctctcctc tccactcca gcgggatcta	300
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<210> 2864
 <211> 486
 <212> DNA
 <213> Mus musculus

<400> 2864	
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aattctaatt tcaaagtaca tattaataata tctaataaaa attgaattga aaaaaaaaaag	180
tcagactcgg agcaaacgg aaaagtggag aaaactcaag caaacagaa aggtaattct	240
gcctacagta acaacatttg aaatcatttt ctgatctcca ttttcagtat tatcaggggtg	300
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tttatcccc aagtagagtt actgtttctt ccacttggtg attatacttg ctgataagaa	420
ggcaatgtaa cacatgcctg taatctctgc aactagaag tgaattcaat gccaacctga	480
gagaca	486

<210> 2865
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 2865

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tttgcagtcc tcaaactctg gcgaacatgg ctgggcctct caaagctaga gctcagttga	180
attggccttt agtaccctt catattgaag gagctgttcc ctcagacaga ggaacaccac	240
agtgacagta cggaccccct cacaaggaca aactgtttac aaggggagcc tgcaaaagta	300
cccctgacct cagaatggca ggtaactagt agatggcact agggcgttta tgaactggct	360
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<210> 2866

<211> 385

<212> DNA

<213> Mus musculus

<400> 2866

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acttcacagt tctactaacc tctactgtgg aaaggcaaaa acggtaaagc aggaaaagca	180
tggttggtta gtaggagttt gaggggaagg ggggggggta agattgacta gataaggcaa	240
agaagaagtt tatagtagtt aaactatcct atatgccaaa cactgtatac ttccccaac	300
ctatgtaact ttaaaacata gagtggatac tttgaaatac ataaacaaag gttaactagg	360
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<210> 2867

<211> 538

<212> DNA

<213> Mus musculus

<400> 2867

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tattcctcta agacttcaaa ttattgaata ggtacagagt gagtgagacc atatatcctg	360
ggggcctagg gtaaaaccaa atactaatgt tctaaaaaac aaacaaacaa gagacaatgg	420

agcaataaaa	tgactccaaa	tgccattctt	ctatactttt	agatcagtac	cttgctcagt	480
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<210> 2868
 <211> 543
 <212> DNA
 <213> Mus musculus

<400> 2868	
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ccaagcatat	180
gtgtgtgtgt	240
ctcattggca	300
cccttttggg	360
ctgggcctcc	420
taccaccctt	480
ttaggccttct	540
tgt	543

<210> 2869
 <211> 529
 <212> DNA
 <213> Mus musculus

<400> 2869	
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gatcaaaaatc	180
gtttaccaca	240
atttggcact	300
attatgcatg	360
tgagtaattc	420
gaaggaaagt	480
taactggctg	529

<210> 2870
 <211> 546
 <212> DNA
 <213> Mus musculus

<400> 2870
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 gatattctat agacgcattg ggtaacttct ccccttagag ctttaacaat cctccagggc 240
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 actcaa 546

<210> 2871
 <211> 410
 <212> DNA
 <213> Mus musculus

<400> 2871
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 ccctagctgc tggcacagag atacacagca gagtcctccg gctctacaga cttgattcga 180
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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
agttcttttta aagattttat tgatctaatt tttcccaagt ctggaaaagt gtgcaaggcc	300
cctgcctcat agagctgccg tgtttaggaa acaagcgggtg cctcgctctg aacagtttgc	360
tccgacactg ctgtgcccac cgttgctgtg gaatgaagcc attggtcctt ggacttgatc	420
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<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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caagccagta agcagcacc ctcctctcc tgccctcaag ttcttgccct atgtgagttc	480
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cct	543

<210> 2875
 <211> 477
 <212> DNA
 <213> Mus musculus

<400> 2875
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 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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 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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aagagcagcc	aagcataacc	gcgcatgcag	gaaagtcact	acaagagcag	cctgggttgac	480
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<210> 2878

<211> 460

<212> DNA

<213> Mus musculus

<400> 2878

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cttaaccact	gagccatctc	tctagctgta	ctctttttcc	atacagtaca	ccctggacac	420
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<210> 2879

<211> 526

<212> DNA

<213> Mus musculus

<400> 2879

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accatttcctt gcttcaccac atctgactgt ggatgccctg tgaccagctg cttcatgctc 420
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<210> 2880
 <211> 448
 <212> DNA
 <213> Mus musculus

<400> 2880
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 ctgtcaaaca acttctgact cctggtac 448

<210> 2881
 <211> 545
 <212> DNA
 <213> Mus musculus

<400> 2881
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 gcatc 545

<210> 2882
 <211> 561
 <212> DNA
 <213> Mus musculus

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<210> 2883
 <211> 449
 <212> DNA
 <213> Mus musculus

<400> 2883
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<210> 2884
 <211> 449
 <212> DNA
 <213> Mus musculus

<400> 2884

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<210> 2885
 <211> 497
 <212> DNA
 <213> Mus musculus

<400> 2885	
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gcaagtggaa acacgtgacc tggtttttga tttctgtatg acttgagatt cagctatcaa	360
aggcaattta gtccttgggtg tggaagtttt ctgggaaagt gcagttactg ggatgaaaac	420
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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
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 <212> DNA
 <213> Mus musculus

<400> 2887
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<210> 2888
 <211> 562
 <212> DNA
 <213> Mus musculus

<400> 2888
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<210> 2889
 <211> 467
 <212> DNA
 <213> Mus musculus

<400> 2889
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 ctcaggaccc acatggtaga aggaagaagc tgactatcca caggctatac ctttccacac 360
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<210> 2890
 <211> 461
 <212> DNA
 <213> Mus musculus

<400> 2890
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 ggaaatgctc tatttgttca actattttcc ttccttgcta gactgctaaa ttatgatgtt 180
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<210> 2891
 <211> 349
 <212> DNA
 <213> Mus musculus

<400> 2891
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atgcatattc	agacctcaga	tgatccaggt	ttaggggtgtt	cccacatcaa	gttatcctat	300
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<210> 2892
 <211> 546
 <212> DNA
 <213> Mus musculus

<400> 2892						
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cacctttaca	tcactttggc	taaggagtcc	atcacagcac	cagaaaagga	aactagaacg	300
gtactttttt	tttttttttt	tgagctatta	caaataaaat	gctttcctta	attttatcat	360
catttggtaca	tgtgaaaggt	catcattttt	tatatgttga	ctttgtatct	tgcaacttga	420
gtaaaagtgt	ttattagatt	aaagatccat	ttattcctgg	tttcccaggt	tttggactat	480
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cccttt						546

<210> 2893
 <211> 517
 <212> DNA
 <213> Mus musculus

<400> 2893						
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aatatggagt	tgatgtgaga	ttatacaagt	ggcctcccat	ttctctactt	gtataatttc	180
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aattttaaaa tcaacacctt ggcctgaatt tgtcctt 517

<210> 2894
<211> 513
<212> DNA
<213> Mus musculus

<400> 2894
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ggatcattca gaaagacctt ttactaacca tgt 513

<210> 2895
<211> 502
<212> DNA
<213> Mus musculus

<400> 2895
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cttggctgcc tgtaacagta catcatcctg ggtgatgaat tctgtttgct tttttcagaa 180
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ggaggggaatg tgcttagccc gctgggactg gatgtcccag ggtgggggtg tgcccaagag 480
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<210> 2896

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

<400> 2896
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<210> 2897
 <211> 431
 <212> DNA
 <213> Mus musculus

<400> 2897
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 aagtaagaat tgatagttca ggggtgtgtgt gtgtgtgtgt gtgtgtgcca gcaactgctc 180
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 cttcctgcca tagtcatgct gagacacatt caggctctgtt tttactggag cagtcagaaa 420
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<210> 2898
 <211> 522
 <212> DNA
 <213> Mus musculus

<400> 2898
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gagtcgctca gaaacatgtg ccctgttttt tccactggac gctaacgggg gctctttcct	240
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acagagtcag tggtcagtct cagtgcaggc ttactaaggg ct	522

<210> 2899
 <211> 547
 <212> DNA
 <213> Mus musculus

<400> 2899	
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<210> 2900
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 2900	
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ggtgctgggg acagggtagc cagccccatc cagagggcct caggcgaccc aacaaggctg	360

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acttaggatg gc 432

<210> 2901
<211> 558
<212> DNA
<213> Mus musculus

<400> 2901
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agcctacata gacctaca 558

<210> 2902
<211> 455
<212> DNA
<213> Mus musculus

<400> 2902
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<210> 2903

<211> 493
 <212> DNA
 <213> Mus musculus

<400> 2903
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<210> 2904
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 2904
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<210> 2905
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 2905
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 agcactgagt gctctgccaa aggtcctaata aagttcaatt tccagc 346

<210> 2906
 <211> 497
 <212> DNA
 <213> Mus musculus

<400> 2906
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 gcttttgaga acggttcttt cagacccaaa cagaagaagc attcataggt gaattggctc 180
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 tcaactggta cagactt 497

<210> 2907
 <211> 273
 <212> DNA
 <213> Mus musculus

<400> 2907
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<210> 2908
 <211> 457
 <212> DNA
 <213> Mus musculus

<400> 2908

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tgccagcttt ttaattccct agtctcttag cagggagacc caaatggagg agttagggga	240
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<210> 2909
 <211> 489
 <212> DNA
 <213> Mus musculus

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<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 ggcattgaacc aggacagtcc ccattgcagg	180
gtatgggatg ccatttatgt tggaaatgct ctgctcatgt cttgttcaga cagaccttct	240
ctcagaaggg tttttgcaga gcctcgctgt ttataacagt tccgggtag caccaacca	300

cacacccact gatgggctga ctggccaacc aggagaccac caggacgcat ggcccaatgc	360
tgaccctgaa agaagacctc tccgagttcc ccgattgaaa aagttaactg tacattgaag	420
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tgcgctgag tgagcactgc	500

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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
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 <212> DNA
 <213> Mus musculus

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agtaagcaac tctccacttt atgcaggaag gaacttgggc tctgagattt tttctggccc	120
accgaccac agctggaac aattctatcc agactctgaa ctgcaaaggc aggcgtctcc	180
tgggatactg tgagcacact gatgccagtg ctctcaacag gccgcatcgc taaggggccc	240
aacgttccaa ggatggatag gcaactgatg tgaaacagat aactgtagcc aggcagcggt	300
ccaggacacc tagagataaa gccaaataca gaccagaaga agcctagccc ggccctcgcg	360
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 aataaaataa aatacaaaaa tacnaaaaaa acattgatac tataaaatgg taaaaagcgt 180
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 tgtgtgcaaa gacagtgnct tcccttaact ccctggagaa cctgaacaga tgccaccatt 180
 aggaagtgcc ttgcggtcc attgactttg caggagcaga gccagcctgc aaggctgttt 240
 gtggaagatc tgctgctcct gcagtcttta tcacttcna gctntgatgt gaacacaanc 300
 aaccnntgg gctcnaaggt ccngtggctg ctctgacacc ttntgaatna gcgatttcag 360
 tncaaatgnc ctnnccnaan ctncctcnca gggctncttg gaggatgttt cagttgataa 420
 aactgtttga agacaggatc cttggcactg ttttaagaata tacactgctc agcttaacca 480
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 tggagctata ntggatgggt gatgagagac gttcccccat cctgtgtctc ctgctgtgtg 180
 gacacatgtc actcctgtc cacaatgccaa catggttcat ttccaagggc accctataac 240
 cagagagcac attaatcct gtcctataag agggctgtgg gaaactgtgt acctggaggt 300
 ggtccannnc nnannncnnn nttnnncct tcagcttcat aggcagcata cncctgctnc 360
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cttgagactc cagagtgacc aggttggacc ccacctagat ggctagagtg acaagattgg    180
acttcacctg ggtccttaaa atgatagtgg aggaagggaa cctcgcttgg gtccccagag    240
tagccagagg acttagcttg ggctcccaca ntggncatt nnnttggacc cancttgaga    300
ccccagangc naggggaagac cacacctata aatcaggcct gggaaacatn cagaaacccc    360
atttgaacag actgtgggac tccaatctga atcctctatg tggacagagg atgatgggnc    420
cnagaggcac ctctgaggtn ccntcagcg cancntcgt aaacttcatt cactgtgaca    480
catgctgttc ataggtctc tc                                              502

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 gctcaatctt ggttgatatt tttgatnttt cacttccaga ttttttttct gtaactctac 180
 ttgttcttng tctgtgtaaa ggnatgtgtt ctggggttgt cgaggggaaa catttgatag 240
 aaatgtccat ctnatagaca gnatntctta ttttctgnag acactnatat tgattnatat 300
 gaacttttga gttactacat tgacttgtga tggtnccca tgagatttat naaatttgnn 360
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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
 ttactncat cccgtntctc ctggcatttc tncagttttn tgcatagttc tcatttagaa 360
 gagctagttc ttatgtgnac agtttcttta gaactttgat taacaagcta tggcttgtaa 420
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 aactgtaatc ttttcagttg acagtactt 509

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 ataattcctg acgtatagtg taacaattct ggctgtgcct cagtttgcac tctcctgggg 180
 tcatctgggt tatcttctgt ttaaacagcc ccaggggcca tctgttctcc ccgtctactg 240
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 gcagtatccc ttcacttgcc aggggtgacaa agaagcaatc cagcaagttn nncggntcc 120
 cagggagcac tgagtggaga accagccaag aggcacattt accatgttaa aaggcctacg 180
 ttcccaagaa cactgctttc ctgctaatac cttcaccaat agtgcattctt ataggcgtga 240
 tacagcagtg aattgttagg tgtatatcta acacacagaa agtctatgct ctccactact 300
 gtgcgatatc ccaaccaaac accaacgatt ncacngcccc gcttttctgg attgtaaacg 360
 ttacaaagca ctcatgtcag catttaccag antncctac aggggacttt taaattggag 420
 ttctgtgttg tttatttcag aaaacatagg cttaaagtca ctttgactgc acccattcaa 480
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 cttgttctta tcacacttga gatgttgaca ttttctgacc ctgtgtcttt ggctacaatc 240
 attcagtatt tgtgtcaaatt ttgacaagtg ccctaataga atgtgtttga atgttatcct 300
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 gatcaatata aaaaaaaaaa anntcatctt cctctcaagt ggaaaccaa ccaangccaa 180
 accctttgtt taagtggctc agttaaatga ttaattgaaa ggaaatcatg aattgcatgt 240
 cattcttcat gctgatctgt agactaaaag catgtttttc tgtctccttc aggatgtntc 300
 tnnccnttct aagtacagta tattcaaag gtagaaaaaa aagctgactc aaaggtttta 360
 cgctttgtaa tttttccagt tcttttttagc tttcaatgtt ggaataaatt taagtcttgt 420
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 ggaggccagc ctcgaatcaa gctgacagag gaccctgaga agcaaacact gccagggagc 180

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ggagcccntn cactgtgaan gccagcccaa gtggagccat tgctgcgact ctacctgcaa      360
cagggacagc tgtgtgagcc actgccatct ntggatgagt ccagacgctt tgcccagcan      420
tcctgancc tcctcncccc tgcacataag cagctgcaga gcccntgcag tgtatccgnt      480
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<223> n is a, c, g, or t

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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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<400> 2925
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atgcatcagc acacaccgca gcccgaggta gccggtgagg gacatgattt ggtttgccag      120
gtagcacagg ggtggtgcag gaccagtact ccctgaacca cagtccaaga cctccccctta      180

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gccctcaag 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
tagaagaggc atagtgcact ttttttttta cttctgttgg tgtgtactgt atatatatat   540
agtctgcgcg cttctcgtga tga                                           563

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<210> 2926
<211> 451
<212> DNA
<213> Mus musculus

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

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ttgcatatTTT atTTTcaact ttgcttTgtct tTaaaatcac ttgaggaaaa atggctaatt   120
aatttctgct acagaaaagc caactggtaa atTTTctcaa ttgtctTaaa tgctaaagta   180
taatgtgggt cagagggggt tttacgatag cagagaactg taaaaatata caggtagctg   240
tagttctaac tgaaatgaac ttgccatttg antgatgtgt acagctatat acctgagtcc   300
cttctagttt atgtagacta gcaatttgac ctgtTaaaca ggactagttt actttgttgt   360
atacacctgg aggtatctgt tattcgactc catttttgag ttttggcaca gtgaagataa   420
atttTgtTga cccacttgaa tgactgatct a                                           451

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<210> 2927
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<213> Mus musculus

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

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<220>
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<222> (375)..(375)
 <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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 ggctgaagtt taggggactg cagacacatc tgggccagct 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 aacctgggtat ttctgtttgtg ttcttggcag 360
 tgcataaggaa cccancctcc tgtgttttga ccctcctgca ggcactgtgg gactcgaggg 420
 cagcagatcc atctccntc ccttgctgca tgatggtcac tagctgatct gtgatggcgt 480
 ccc 483

<210> 2928
 <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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 <223> n is a, c, g, or t

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

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<223> 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

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<222> (332)..(332)

<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> (366)..(366)

<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> 2928

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tcgccctaaa gtgggaaact atttagcttg aactgggtcaa ttcttcctaa tgagctgaag 120

gcaagccaac agatttcaaa aggaatgagt caagtcaaag atttttagac acgtcaaaat 180

atcttcttaa aattctccac ttttgaacac tgggtcagtt gtgataagac tgctcatttt 240

taatgttgta tgggtattttg cattgaaaaa taaantttnan ctcggtatta cantccctat 300

nancnaatga ttacatgga tctcttttaa gntcctggaa cctgtgancc tcagttacct 360

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<210> 2929

<211> 539

<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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<222> (280)..(280)

<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> (320)..(320)

<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

<220>

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<222> (388)..(388)

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

<220>

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<222> (472)..(472)

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

<220>

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<222> (474)..(474)

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

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ttgtgggatt tggctggaac aagggtggccc 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

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<210> 2930
<211> 542
<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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<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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<220>
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<223> n is a, c, g, or t

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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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<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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 tacctccttg gggctgtttg tatcatggac tgtcatgctc tatgcctggt cctgggggtct 180
 ctagnngata 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
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<210> 2931
 <211> 347
 <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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 gtgtgtctcat ctcacacgca cccctctccc aggtcatgca ggaccctcc ccccnacnn 120
 nncacacaca tctcatgctg tgcacccgga ggctgtcac gtctctcaca cccggtgtcg 180
 gtgtcggtag acatctngcc tctcacatgc tgccnttct cccaccacc cagggacacc 240
 cgacggctcc tccctgatcc tttccctgta ccccgncctc gaggtgccct gccagcggg 300
 gcgtgtgaat atgcaatggg agtcccgggc tgtacaatgg caagtgt 347

<210> 2932
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 <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> (414)..(414)
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<222> (452)..(452)
 <223> n is a, c, g, or t

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 tcagtctaaa cactgaatgc tgaccaacca gctaggcagg tccagagggtt ggggggtgggg 120
 gaagggcaag gggaagaagt cttctctgct tagtaggact gccaccacgc cccagtacca 180
 ccagatgcca tggcttgatg tccttatgcc caagagtgga gcaaggcatc ttgccatcag 240
 aggctaaggg ctgaactatt ctcccatggg caagtctgcc actgtaccac cccagacca 300
 cantcctatg gtccttggtg tgacacagat catggtggtg nccctctccc tcctcggtgt 360
 atgtacaagt acaaatgtca tcatggtgta cctatgagga gaccaacagc accntcttgt 420
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<210> 2933
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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> (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> (102)..(103)

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<222> (128)..(128)

<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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<222> (142)..(142)

<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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<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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<222> (160)..(160)

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

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<222> (165)..(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> (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> (243)..(243)
 <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> (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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 cagcatcctg tgcggatttc acnttntntn tnnngnnnnn annttgacac tgggggtgtgg 120
 gctctgancc cacnggagtt tnaanaancn naaagagctn agagnntcga gagagatccn 180
 atcaccgaga atgacaagnc aaccnggggt ggatgtggat cttgaaactn antanaaagg 240
 ggnttttcac 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 cccccgaagg gtggctgaag cccatgtgcc taacttcatt 180
 tttgatgaat tccgaacagt cctgtgactt ctttctcctg ctccagtgcac aggatgttct 240
 atgactagaa tgaacttgga cgtgagaaag atacttgact cctcatgcaa cgtgcatttt 300
 cctcctctgt gggaaccagc cattctaagg aaagtggctc tcaactgtct aaatcatggc 360
 atcgtaagga atttttatca tgtagatgca gaactgtttt gtacttgcct cttttaaatg 420
 ctcaagtataa 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 taagtcccc accccctttt tttaggctgg ggatctatcc cagagttcta 120
 tctccaaccc taaacagtca gacccagcc tcagacatag atatgccaca ttcggtatat 180
 ggttgctaaa atgtttccat ggcttgctta cttcgggtgtg tgatgacgta ggccagcaat 240
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<210> 2936
 <211> 553
 <212> DNA
 <213> Mus musculus

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

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 tcagaaatcc gcctgcctcg tcagcttggt ttgattagtc agtctgaaaa ggtgtctgaa 180
 cagagtgcac gggagaacta gacatgggcc tgtgaacctc tgcagaaagg gatccagatg 240
 gaaacacgcc agaccctcag gtgggaatga gcaaggcaga tgaagaggcc aggcccctga 300
 agctgccgtg aaacaggagg ttgtctgaag ctccagagcc gaaggctgat gcggtaggca 360
 ccgagcctct ctgctctgct ttgtagagcc aggcagaaga attgatctga ggtgctgac 420
 ctgtactctt agggcttcaa agatggaagc tgcttccac tggaccatgg aaagaagctg 480
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 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 ccatttggtg 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 tgttctttta 120
 gtcataattgt cagttttaca atctagtctt ccttccatgt ttgggtgaaat ctcactgaac 180
 aggaataata gcaataacta acaacatctg cacagcacct tacagtttgc agagaacggt 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

<220>
 <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 tccggtatct gtacataatg attcagtatt agtaagaagt gcgttatctt 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 ttttttttga agcaaaactt taattttata tgacatatac tatgaaaagc 120
 taagaaaatt taaggactac tagtttcctt tttctttcctt tctttttttt tttncttttt 180
 aaaatgggat ccactgtgtt gaagactcctt gatatcatgt gcttgtctag acatttttaa 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
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<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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 catataaatg agtattttca gagatccac ttcacctgtt atttctattg tgttgaaatg 180
 aagtacttaa aattactgtt ctccgtgaac tctgtagact gtatgatgtg ttacatatgg 240
 ccaactgcct tttagctggc cttttttatt aatatgcctg ttttaagtgc ttaatacagt 300
 ataatgtgat tgtaagtcac gagcctatct taaatcattc cctcctgtgt atgtgtgctc 360

tgagagagct tcattttatt ntcccagcag agtaacttgt gatgggttatt tacattcccc	420
agagtgtgcc tctggtgtga attctgtc	448

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

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

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 <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
aattgttggg ttagaagttg aaataccatt ctttattctc actgncctca aattcgctga	420
taatttttcc ctaaactaat aagtgggtaa gtataacctt tgttgttatc cactggctgc	480
tcctaaactg gtttccag	498

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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

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

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

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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 ctttaagggt 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 gtttggtgct caacaatata gtacttttct catgtgactc 120
 aacactatag cacaagtatt atttcctgg attctctgaa ggagcatcta aaagacgggt 180
 ttctgacagt gtttgctctt taaactatgt tttctcctac cccaagttgg ctttgcatct 240
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 tttcaccttg ta 312

<210> 2945
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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

<220>
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 <223> n is a, c, g, or t

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gggaaaaaca aacaaaaaac cctgaaaggg acagttgtaa aacatgtata agctgctgtc 180
tttggttact ntntccatgg ttggtgtgg ctgtatttat tttaacttcc atntnattag 240
tnatggtcgt tgggagtctt tntaaacat gaacaccatg gacattggnt cantcccacc 300
catgtaacca acacgtgtgt gagtctgctc atttccaata ctggataatg tatgttaaca 360
tgttatgtct catagtncaa acagaaacac catttttttag ggctggctca ttntcaggcc 420
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<210> 2946
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<223> n is a, c, g, or t

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<400> 2946

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ttacatntng cattntgtat catgtcagta tgtaataaag agagatgatt ttttccagat    180
aagcttaata aattgacaga catttggttt ttttttaaag gggtaatagt atttcctatg    240
taaaca                                                                    246

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<210> 2947
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 cntcntccat cagggccacn ttccccgcct tttccagaga aatntgttnt accggcagaa 120
 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
 <211> 488
 <212> DNA
 <213> Mus musculus

<220>
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<222> (428)..(428)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 caacaattat cttctgatca aagtcttgta aaggctctaa agctccttca gaaaaataat 120
 tctataattc atggaaatgt ttgccacaaa aatttcttca ggggtcccagt ccttctagaa 180
 aacatctatt ctgatgttta cccttgatat aatgaaaaac agttgcttca ttctaattgtt 240
 tgcagtagat acaatgattc tactagaatt ccactatcat ttttatttag cattttgttg 300
 tatctgggtat 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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 <212> DNA
 <213> Mus musculus

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 <222> (111)..(111)
 <223> n is a, c, g, or t

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 gatactaacg agggctgggtt tatttgcaaa cctgaatact tgtgttggtg nttctccagg 120
 acaatttttt tattattatt tctactgaac atggagccat tattaaaaag agttatgtgt 180
 ggtttttcat tatgtaaatt gtatatatat ttttttgctt gtttgagggt 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 aagaccctc ccatacttat gtgttgtaaa atcaaagctg 480
 ttttgtggta cattgtgtca tgctcctgca ga 512

<210> 2950
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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> (316)..(316)
 <223> n is a, c, g, or t

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 <222> (364)..(364)
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 tggaacatg gctggcttcc gccagggccc atcctttctg acttgagcat cttatgtccc 120
 cacagatagt tatttcatcc taataaaagc ttactgtttt gttggctccc aagcattaag 180
 gaatcttaag tggggaatct aagtgccagg gtgccacccc cttggggtn gttggtgggtg 240
 atgcaaacag ggatgtttga gtccaggtat ggttgggcta gcgaaggag tggccagaca 300
 gagaatacat ggcccnatgg aactgttaga gaactcagag tcagcgctga atgtatgtca 360
 tgtnatataa ttcaaaccgc gtctntttnc cttcatcatg agaggattgt acataaggtt 420
 cctgggggga gagcgagtgg tccgtttctt taggcttggt ttggtttgcg aaatactttg 480
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<210> 2951
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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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 attgcccttg ggagcagaag gtggtttgat gagatgggag gggcttagca gcagggtagg 120
 ggggagctgt ggcagtgtcc ttgagatctg tcaacagaac tgtatggaaa ctgtttctgt 180
 tcgagctaga ttatagacnn nnnannncnn nnanngnnaa cnnnnnnncn tctnnnnnn 240
 ctnnnnncn nnaggaaggt gacatttctt agtctctttt caatgttcac gaganaccng 300
 tntctantat nagnnacaag atntggacct ncgatccccg gnaccacant tacagnactg 360
 gggntcattt tntnagtga actaatggac cacgttntct acgaacaaag aaactgtatt 420
 gtagaaaccc attcctccat gaattttatn tcctatatat tatgtgcata tatatatatn 480
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565

<210> 2952
 <211> 386
 <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> (74)..(74)
 <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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 <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 ctgagagttt aaaattcaca tggaattgat tttcttgtca ttagaaggta 180
 atgcttgaac atttgatatt tctattctgt gatacctggg tgtcactactg tctaattggcc 240
 tttggtccca attgtgaaat tttatatgag ctcatcatt ctctacaaac ctnccttttt 300
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<210> 2953
 <211> 362
 <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> (100)..(100)
 <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> (300)..(300)
 <223> n is a, c, g, or t

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 <222> (312)..(312)
 <223> n is a, c, g, or t

<400> 2953
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 gtctgcagtg agtagtagct ggggcagtgg ctttgancn gggccttaac acccccagcg 120
 gatagtgcgc ttggctgcaa gactgganat cagttgccat tgtctttggt tctgtgacat 180
 ttccacttga aagggtgaaa ttccccttcc cactccttag cgtctatgcc aacttgtgat 240
 gtccccgcct gatctccagc tcccaggggtg ccgggggttg catgtgaaga gatgcccatn 300
 tggtagaacc tnagaggtgt agtttgaaag tgaccctgt gacgatgact tttctttgct 360
 tc 362

<210> 2954
 <211> 479
 <212> DNA
 <213> Mus musculus

<220>
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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 cccacttga attaagttct gagatccagg tggccagagc tgctatgatt 180

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cctctgcctc catgctgcta tgatccggac ctctcggcat ggaaacccga gtctgtctcc 240
cttcccaggc tggggaactg cgccctcccc tcctgccaca gacagacctg ccaaacagct 300
ctgtttcttca tggagtcagg aggtcctgct ggcctgcagc aactcagttg ccttgggctg 360
ggactgcatt cttgtgatgt ctggatgggt ttggggctgg aggtcaggta ctctgggatt 420
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<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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<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

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<220>
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<222> (104)..(104)
<223> n is a, c, g, or t

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<220>
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<222> (457)..(457)
<223> n is a, c, g, or t

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gcaggtaaga gcttgaagnt caactccatg agttcgattc ctgnaatctc acatatggaa 120
ggaggggaact 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 aatttaccba gctgcctcct 420
gccagacca acacaccttc tcaaccacct tagactntcc tctcaaacc tgacccaaaa 480
gaaacccttc cctttctaaa ctgttgtttc aggtattttg tggcagcaa 529

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<210> 2956
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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

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<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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 tgctttcacc ttttctgata tgatttaata agaattgnct ggtgaggaga tatgcattct 180

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gaggatttaa agtaggntct gnatgatttt tctatanaaa ctgagatttc tgtttctttn 240
aagattctta taagaaanta ttngatcttt tcttngtaac cgcaaatacac 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
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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
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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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tgcaaaggaa agaatccact tgcacccctgg gtcctttaac cttttaaccg atcctcacat 120
tggtatggcta ttaatcactt tttaaaaaat tgtctccaag gtcccttgag gcaacgtata 180
tagctgtttg caaccattgc acaccaaagc cccacgggga aaggaacttg gccagcttaa 240
tc 242

<210> 2959
<211> 537
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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cagtgtcttt catatcacat actgcttcgg aaccctaagg aagaaactga tgcgtgcgcc 180
attgctctga tacttaagtg ctaaccaaga aactgtcaaa gcaaatacca aaagcatttn 240
gcaccctcac gcccacaca tgcttccaaa cttgtttgat tatgaggttg ttgaaagaaa 300
atgttttttg aattttaaca ttttccacta tcatgaaatg cttcttttat atgttaggtc 360
atattcatga ttttcttatt tcttcaatta tgttctaata aattgtgtgc atnccaactt 420
accaaggaa aaagatgcag tttgctctgg actgttaatc tgttagagag gttttggctc 480
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<210> 2960
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 ctgaggcctt gctacctcca tttgctgccc agggaagagt ttgtgctgga gctgggtgga 180
 gctctggccc tcctcacgtg atggtctgag tctgcatttt aaggacatg atcccagaaa 240
 tgtacacact tatctagttt taaaggagaa ctgtggatct ctcaggccag gattttgtga 300
 ctgattttta attacttggg taatacctag agccattat aaaaaaaca gattaatgag 360
 aactggcaag atttgatgtt tttggcctaa ttccaaagca tggatgcttt ggaaggtagg 420
 aagaaacnt gttcttatga tttgtagcta ctttctgcgc ctgacttggg gccgtgtgag 480
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<210> 2961
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 <212> DNA
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 <223> n is a, c, g, or t

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 gacgaaaata cattatatac tttgccattc ctggctttta aaagtgggtt tcaaagtacc 180
 cagcataaat gcagcagagg tggctgaact tgacttcttc cataagtttt aaaaaaatct 240

caaaaatcct tttagtagaa ttcagtgcgt ttgtcactgc aataagtggg ttttagacaa 300
 taaatgtgaa aaaatcaggt gttcataaaa tactaaggat aatgcattag aagctatattt 360
 actacatagg taaagaaaag attaactgta acaacgatca caactgcatg ttggattaga 420
 ttntcttata ttccagaacn anatgtactg tatactttnc ctcaatttgt tgtacactgt 480
 aatg 484

<210> 2962
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 cacataggtc agctgaaacc ccttgccacc accctttgac aactgtgtgc tgccgtaagc 180
 gtgtcagcat ggccaccctg ccctgtatta ggaagcatgg ctctctctctg ccctctcttc 240
 cctctctcct gttgggtaaa tacaagggtg taaggcactt tgtcaggctg ggctcagagg 300
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<210> 2963
 <211> 562
 <212> DNA
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gctgggaaga gaaaaggggg agggatgatk gtaaataaaa gaaaaaaaaag tctctgaaga 180
gtttgcaaat taagacagga aacaggtgag tgggttgaat tgggtgcaga gtgggccggt 240
ccagaatgat gctgactgaa gaggtattct ttgataagat ctgaagaaaa gaagagggaa 300
agggtttctg gagagtgttc ctcattccag aaccagcgat ttgagaggcg ctggcgaggg 360
agaactcttt cttgcctggc ccgtggactg gctgaanccg tgtggcatgg aggaaagtnt 420
ctgtcctatc tgtgtttctc ttgcatccc ttcctgaaac ctcattgttc attgtttgat 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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gggtgggagt gtgggtgccc acccagtgcc ccctttgcac tccactcaaa tcacatacct 180
ccccccacgt cttgagagcg ccctgcagaa ctagctcccc ccccnnaag gcagggaggg 240

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ggaggggggaa gtaccactc ctgccccctg gttctttatc ttgggatggt ggacctcca 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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 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
 acatttacia agtcctaaaa cccattctcc ttcaaTgtt 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
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 <212> DNA
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 ttaagagagt ggtcttcccg gcctaggtgt agtaccgagg taaacatccc tgcttttctt 180
 ttctcttctc accacctttt cttggtgtgg cttttggcaa gatttcagct caaagcctca 240
 ctaatggatt gatttggtgt tggtgtgtgt cctgtgtctg tgtgtgtgtg cgcgcggtgcg 300
 tgcgtgtgtt gggccaattt tagatacctg agtgcacttt tttttttttt tnnagttagt 360
 cctagctttt aaagaaagaa anccaagaga tctagttggt gtaaagtgtg agacagggat 420
 tctgttcgct gtcctntntc ccctcccca cccgcagac ccccgacccc actggagtac 480
 actgcacaaa ttaaagtcta gggagtttga ataaaagcag tttttctaac ttgttgctca 540
 tctgttgtaa ctcaata 557

<210> 2968
 <211> 420
 <212> DNA
 <213> Mus musculus

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gcaaaggctg gagctgggtc ttgccgtttt aggatttgac cctcactggg ttgggggtatt 180
acatatattc tgtaagccag gctaaaagtt tagtttacag ataaggcctc atctggttgt 240
gggtgattgga gagcccatgt ccacctccag gaccactcca tgagtttgaa gtacctggaa 300
accaaataca gatggaagac agtgggatgg tcaaggatga ggagtacagc ttcacaagtg 360
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<210> 2969
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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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ccctcatgta tgtgaagaaa tagtaggaaa atgaccaggg tcttgaagct ctggaaagca 180
 ctccagccct gaggttcctc aaaactcact ggctgtgtc tctgggtccc cagagttcgc 240
 tggatgaagg tcaaggtgag agccagggnn ntgctancca atcctggata gacccttgnt 300
 cctntgctnc tgangtntnt nctntctcat ggantaagag nccntctncc nntcagtgtg 360
 tgtgggggttc 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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 ccgagagaga agtgaccaag atgagctttg accttccaat cccagagtcc acagttcacc 180
 aacagctctg actgtgtgcc atcggcctgc cccgaaggag caccggcaca tttggggatg 240
 cacaggaccc cgtgggtctgt tgctgtaatg gaaaaatcta ctctgtagct cagcttacct 300
 aaggacttca accagttacc cacgtgactg gaaaccatt gacggtttgg aaaccttgaa 360
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<210> 2971
 <211> 385
 <212> DNA
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 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (227)..(227)
 <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> (309)..(309)
 <223> n is a, c, g, or t

<220>
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 <222> (318)..(318)
 <223> n is a, c, g, or t

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 cacttgctgt gttacagccc ttcgaatgtg taaggctgct tgcagctctg gctagcgacc 180
 cccaacacag tcaactgccac ccagggccag tctcttggtg ctggganaga ataagttggt 240
 ntctnccgtc ctccattgct tcacanacac acacacacac acccctccca acattcttgt 300
 caccacagna agtgccctncc tgtgctctct tctctctcct ccactccat acccctcct 360
 atgtgctctg agctctctat aggat 385

<210> 2972
 <211> 529
 <212> DNA
 <213> Mus musculus

<400> 2972
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cccactgagg catcttgttg gcccctgtat cccctcccc acccataaac agtatcataa 120
ctgagaacta tcatgaactc atgacccttc tgtcaccagt tctccaagtg ttggtattat 180
aagtgtggac tgtgcttggt gttgtttttt gttctgtttt tcaagacaca gggtttcttg 240
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acagagatct ccccatgag tgcttagatt aaaggcatgt gccacctctg gcctatcttc 360
atgctcagtt actgtggtgc taaacattat gccagggttt taagcacatt tggacaacca 420
atttaccaac tgagctacac cccccaaccc tatgtttatg ttttgtgatg aaaacattaa 480
atTTTTTTTaa acattttaca gatctatagt gcattgttca tctgtggca 529

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<210> 2973
<211> 368
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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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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<220>
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<223> n is a, c, g, or t

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<400> 2973
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tcacatacaa ggggtgctagg ggctcagcca tgtgatcatt ctccctcccg tgaaccccag 120
agatgggtcca gcatccctcc ctcccatcc tatgctggct gggatttggc tcgggcctag 180
ccctggaaaa ccctagctag ccctggaaag gggcacctga aaccttccaa ggtttaccta 240

```

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tttctcactg ccttggggttt gtgggggtggg gggangtgct aaagaaatgg gtatctagtg      300
tctgggcagg gtaagtgaac ctgntcaggg anngtgggng gntacagcc cctaagcttt      360
tcttctaa                                         368

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<210> 2974
<211> 216
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (81)..(81)
<223> n is a, c, g, or t

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<220>
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<222> (84)..(84)
<223> n is a, c, g, or t

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<400> 2974
tccacactgg cctggtagac tcaggcagct accctctccc ctattcactt ananagagtg      60
acctatgnaa cnnnnnnnnc ntgnttccag acagctctgg ttggaaacag ttggccatgt      120
gccttgtcct ctggtccctc ccttgagac gcagggttgt ctccttgctc tgtggccggg      180
tgctttttcac tctttgagac gcaaaaagctg gctttt                                         216

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<210> 2975
<211> 528
<212> DNA

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<213> Mus musculus

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (341)..(342)

<223> n is a, c, g, or t

<220>

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<222> (357)..(357)

<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> (418)..(418)

<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> (448)..(448)

<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>

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<222> (466)..(466)

<223> n is a, c, g, or t

<400> 2975

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ggtggagtcg gtactattgt gtcctgggat caaaggtgca acatttacct ccaacaagaa 120

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gaaagacttt gtggtctgaa gcacatttca gatgatggct ctggtggtca tgtaggagg 180
gatcctgagg tccctgctct tcacatgca gagacttcgg agccccacag catcgcacat 240
ctgtacagtc tggggattgt gctctaagag cgaatggctt ccttnggcat gtttttagtg 300
cttctcaact ccaggaatc ctttatgaat tttgaacatt nnttccaaa tttgctnaac 360
aaagtaatat ccttaaaagc acnaacnnnn nctttggagg ctctgaagaa accccacntg 420
cggaggaacg agcccgagnc ccctgacntt ctgagcatgc nccctncaa tgagctgcat 480
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<210> 2976
<211> 398
<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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<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

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<400> 2976
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aaaagcaagc tatgttcacg gcagacagaa ttacgttcag gaaacantgg ttatcctcag 120
atcttcacatg atcaaggaaa aggcacatgct ctctgtagcg gaagtgtctg gtcaccatgt 180
tactgaagaa cagacaccgt ccatactttg tgcatcatag agtggttcctc catacttgat 240
tccataaata ctgacatgct agcaaggctt gtctgagtgg tgggcaaaac aactcaaacc 300
tgctctgca gaggtgcaca ggtatttatt ccctgcaagg gntccatttc ccaagtgtga 360
ccacttcaat tgtaaaccga ggcctgatgt gaactatt 398

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<210> 2977
<211> 523
<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

<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>

<221> misc_feature

<222> (346)..(346)

<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>

<221> misc_feature

<222> (359)..(359)

<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> (434)..(434)

<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> (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

<220>

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<222> (498)..(498)

<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 aagggggcctt agcggagcca cggcgtgagg tagagcagcn caacctcact      420
tcccaggagc acgnccccc nccccggcaa cgctggctcc tgcgcaggaa aattaatctn      480
ccggcattta ancctagncc cctctggtgg atataatcgc tca                          523

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<210> 2978
<211> 362
<212> DNA
<213> Mus musculus

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<220>
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<222> (139)..(139)
<223> n is a, c, g, or t

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<220>
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<222> (149)..(149)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>

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<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

<220>
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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

<400> 2978
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 gtagatcata gaaacataat gttaaaggct acatcacctc tggcctctag aatatcaaac 120
 aattttcttc actgtgatnc aaagactcna nacacatgta ncaaantctc acttncatac 180
 aggactcaaa atatccctgc agcacatatt ccnanccatt tcctnatatn caaacagggtt 240
 tttaaaaaca ggaagacatt ggcactattc ctattttctg cagatgctaa tagcatttta 300
 ttctctgtgca ncagttccaa tttaaatgtg tcactatagc atgttcctat agttatttgt 360
 at 362

<210> 2979
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 2979
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 cattcttttc atcttttagca caaggaagggt 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 gagtttTact catttgctaa gcattgggaa cattctgtgt 360

atttacctta aacataaata aattcctgag agtgtcctat atttggattg tgattttag 420
 actcatgcta actt 434

<210> 2980
 <211> 477
 <212> DNA
 <213> Mus musculus

<400> 2980
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 tgctactgcc gccgctgtg ctgctgtgc tactgtaaat tgcaactggc attcatcagt 120
 gaatgtgcat tggaccctct tccagtcctt tctttcccta cggggacacc tacagtatga 180
 gcttctgtgt ctgcactgaa tcctgcctta gagatatgcc ttgacgaaa ctttaaatat 240
 ttttcatgta tttttacctt tagaatactc atgactccag taagaagcac tttgatttat 300
 ggttatgaac tgtacaggta acacctcact gtgctatttg cctagcgtgt tgatataatc 360
 ctttatgata tcccatctgt gcagagacaa atgtcatttg tcggtttgtc aatgctgact 420
 agattggtga cgtatttgtg tatcactgaa gagcgcacct cttctgcagt gtttaaga 477

<210> 2981
 <211> 391
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (59)..(61)
 <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> (70)..(70)
 <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> (92)..(92)
 <223> n is a, c, g, or t

<220>
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 <222> (113)..(113)
 <223> n is a, c, g, or t

<220>
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 <222> (132)..(132)
 <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>
 <221> misc_feature
 <222> (354)..(354)
 <223> n is a, c, g, or t

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 nttnttttgn gttttntttt gtttgtttgt tngggggggtt gttgttgctt ttnttttttg 120
 ttttgttttg tntttcggtt ctaggctcct cctgactttt gtcattccagt gagctgggag 180
 aactgagggc tcctctggag gttcccctcg caagaggcaa caggtgaagc tcccccccca 240
 ccggaggcag ggaaccaggc acccaaacac acgatncaaa aaacncaaac ccacaggcga 300
 cacacccac acacgcaatt ttaccttctt 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 tgggtattaaa tgcccaccac gaatgattta ctagagaatt gagaatcaac 120
 atgattaatc aaagcagtgt tctgggcttt tgagtagccc aggggggtcag tgtgggagta 180
 tttcccctcc tcccttgtcc tgggagtcca gagcccgcga tacagtgtct atctgtgctg 240

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agataaaaaat gactaccttc ctccctgagg gatgctctca ttgcacagct gaaaccaagt 300
gccactcctt gccctaccc 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

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<210> 2983
<211> 492
<212> DNA
<213> Mus musculus

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<400> 2983
ggacttccca caataaatcc cagaagctaa agtgttcctc cattttacac ttgaaacaat 60
ctgcccattg tatagccgtg tttcatcttg taaacaataa cttgccattg ctaccctgaa 120
gggtggtatg ctgtaactgg ctggtgtggt gatggatcaa actatggaag ttttagtggt 180
gccaagcat gctcctgcac tgatgcattt ggaagagctg tagaaataat gcaaagcttt 240
agttctaaga atctactcat gctttaaagt atttatctct gtagaaccac aatcatggaa 300
agctcaacag tgctgctaatt catgtttgta aaatatacct ttaatgtagt gcaatatttt 360
tctattggga gagacagtac aggcatcaca gttgggagct ccaataccct caagcatagt 420
aagggataag gcttcaattt aagagattgt gttatattac attactcatg taatcttgct 480
gccatgctat gt 492

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<210> 2984
<211> 475
<212> DNA
<213> Mus musculus

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<220>
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<222> (295)..(295)
<223> n is a, c, g, or t

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<400> 2984
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aatcagtcctt ggtcagttca gataatttgt gcatctgata aatgctgtaa tggagattat 120
atcttgcctt ctattcattg atttacacta cgatgcatgt ggtttgctaa acttaagaaa 180
taataatcaa tttttaccaa ttttaaggtt agagataaaa ttgtgcatat atgctacttg 240

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acactctgag atgtatcttg tggcctgatt gtcaatgtca tatacacttc acctnccttc 300
 tttccctcta ggaagtagtt gttgaattgc atctcttctt tcttgaaacc tggattaaat 360
 cacttgattc atcctaaact attgtgaagc cacagtacct cattttaact gtgaaaaaaaa 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 ctccactttaa aacacaaaac agcaacttga 180
 agatggaaaa tacaaatggt ttaaattttg ttgttgccat agaaaatagg gacagtctta 240
 gatttctcag tgaagcacc c tgtgtatcat tacatgtcca gtgattattt tgttaaaggc 300
 aaaggggtca tgtgatgtac taaatgtaat ttgctgtttc tcaatgttta aatcatgcca 360
 aacaaatcag cccgtgccat ctagcctgtg gtgttaatct tctactgagg acttggggtg 420
 ggggttaaggg cttgtactat gcacttttta t 451

<210> 2986
 <211> 562
 <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> (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
 gaggaccact gctctagaga ctgttgggct tctagctggg ttttgtggct gctcgtaggt 60
 tccgggtcgc atgatctaac agtcaactcc tcactttgga tgtcctttct gatccagaag 120

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acatcagagg ccatacttag tgaattgaac taggtatcat gtaagaagtg gcggagaaaag 180
cctagagtct cagtgaatgt gtattgttga catcagataa agacatgttg tcacagacct 240
cagaatctca gacctatgga gaaaatggca atgtctcctc taaggggaga ggctcagagg 300
aaaatggcaa agccttcctc tggaccaa atgtatattg agagtgtgca caggaaatnt 360
ccactgtagc tttctctccc tggatattta tagntctgaa gactgttccc ctataaagac 420
cattcctact aagattaggt aaacctgtct acttgatcca gctgtatacc atacaccctg 480
tctcctttgt ttatctgnac ctactaacc cacttccttg ttcagccata tgcactcacc 540
ctgcctctct gtttatataa ta 562

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<210> 2987
<211> 373
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

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<220>
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<222> (287)..(287)
<223> n is a, c, g, or t

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<220>
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<222> (291)..(291)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (297)..(297)
<223> n is a, c, g, or t

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<220>
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<222> (300)..(300)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (302)..(303)

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<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)..(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> (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 tccttctct nccnttngcn 300

cnnggttncc cnnnngttct ggtgnccan 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 ttaaattgtat      240
taaagatatt tatgagatcc ttgctaattg tgtctatgga gattttgtta tgttctctca      300
cttctcag                                     308

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<210> 2989
<211> 358
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

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<220>
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<222> (236)..(236)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (249)..(250)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

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<400> 2989
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ggaagatctg gggctgactc tgacatctga tnacgccttg atggtccttg aagtgtgcca      120

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ggctgtgtct cgcagggctg cccaactctg tggggcaggt gtggctgccg tgggtggagaa 180
gattcgggag aaccggggcc tgcaggagct gacagtgtct gtgggagtag atgggncact 240
ntacaagcnn acatcctcac ttctccaagc tggtnctgnc aacagtccgg aagctagccc 300
ctcagtgcac cntcaccttt ttgcagtcgg aggatgggtc tggcaaaggc gcagcttt 358

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<210> 2990
<211> 546
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 2990
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agtcagcagg ttccacagc acaggggtgca caccactctg acttgactct ttgtcagtga 180
taactgcaat ccccagccag gcttctgggg ctttaattag cttttatgta gtcagctgtc 240
tgccttgatt attagaggtg ctggttctct tattagcccc ntactttatg ggccactgag 300
gatttttntt gtaaggncat tgaatcttca aatgnttng agacagaacc tgaaagcaga 360
gcccaaacat ggctccacca tttntagct gattaggatt aatgcctggg gaacataagc 420
tcgntccgct ccttccgttg taaagctgct aataaaagca gctaccgatt acggttatgc 480
gtattaaatg agataatgta tgtaaagtga ttagntctgt ctggcacgta ataaacactc 540
agtccc 546

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<210> 2991
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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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<220>
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<223> n is a, c, g, or t

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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

<220>
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 <223> n is a, c, g, or t

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 ctgtgtctgt cctcgcttgt tggaaggcctt ttgcttctgg ctatacactg ctagcattaa 120
 cccagcccct gctgaatacc attgaaattg acctctcagc tcagtattgc ccctgctggt 180
 catttgctcc atccncant ggaactcttc aaccctgttg ccnctccta atgtgtgtgt 240
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt nnnnnnnnnn nnnnnnnntt tccgtgngcn 300
 cttgtactaa tggaacttct actttggagc cnttntgagg gatatttgttt ttctgttgtg 360
 ggtagttagt tgagtgtgga ggcattgtatt agcttcatat gctatataga atctcttatt 420
 tttgaacaaa tnttatgatc atacctcttc tggctttcat ttatgtccgt catgtttgct 480
 ttttgtgat 489

<210> 2992
 <211> 389
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (87)..(87)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (309)..(309)
 <223> n is a, c, g, or t

<400> 2992
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tgaaccttgc tgaactcag ttccacnctg gaggaagcag ttctgccttt gagaattgcc 120
cgagtctata gacttgtcct caaaggatgg atgccctagt gtcttctcaa agacaccaga 180
ggctaattgct taccctttgc cccagtggcc accagaaatg gtcttgaagc ataaaaacca 240
ggccacagca cattgctgcc ctcttctggg cactcccaga agtgaggagg gggaccacac 300
gcagcacant gctcagacag gacccactc aaggctatgt cagtcactgt ccatttgttg 360
gactgcttcc gactcactag gaggctgat 389

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<210> 2993
<211> 535
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (403)..(403)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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agaatggctg tgcagctcag ngcccacgtc cttctgtctt ctctcctgg tggggctgct 120
gccatctgcc tgcattagac acagtcctt ccatccatct gctttctgcg ggtatcatgt 180
aattcacaag gttatttcct tccccattta gattatgtgn cccatttttg gtttagagna 240
tgtatttact taattgagat ttgtatactg aagtgtgggt agcccttgct ccagcccaaa 300
ttcaagcaat gacctttgga ttcttttgct aattctgact tccagggccc tgagttttct 360

```

```

ggaaatcagg gtagtaaaaa aatgtcttta ataagcactc cantcttttt ttgtttgcat    420
ttagaatgtg cacatncaaa ggattttgta ccaaacttgg gatcatttac cttcttcttc    480
tttaatatgg gtgttaaaca acattcttaa agcaacgcac ttgaaacat agcaa          535

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<210> 2994
<211> 541
<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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<220>
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<222> (282)..(282)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (347)..(347)
<223> n is a, c, g, or t

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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>

<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> (491)..(491)

<223> n is a, c, g, or t

<400> 2994

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catttttaaa tattgggtat cattaaaatg aaattttata aagcaatggt tagttttatg 120

aattactggt tttgtcctgt ctctactttt tttggtgtct acttttttca agtagccttt 180

agctcttatt atatttttga gttagcatat tagggaatgg atttcatggt gatattttca 240

tatgcatata tcatcatact tggttctnat ttactcccca cnaccttggc taccatccna 300

ttcngttgg tnccttcctt ctaaattctc tcttttgcac tcntganaca aatgtttatt 360

acatctngta tttgattacc tcccttatac ttngtntaca tccngtttac attttttctt 420

cccctctcta cttttatggt ttgcatatat attgtgtatt ataaatattt gattgaaaaa 480

tgtgatattt ntctggctta ttttgcttaa cacactgac 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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<222> (274)..(274)

<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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<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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<223> 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

<220>
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<222> (438)..(438)
<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> 2995
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ttgtgactgg tgattacagg aacagcattt cccagagaaa cttttggact attttctatt    120
ttcttcataa tcctagtatt tgggtgttttn actacaagca caaacatctg gaagtatatatt    180
gattcctgtg aatattttaaa ctctagactt ttagatactt acataatgcc ccaccaata    240
aacatgcttc aaatttttct ctcccaaata attnagagcn aaaactgatt tgtacataat    300
tntactgctt ctgttttttt 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 ttgtg                                564

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<210> 2996
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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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<220>
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<223> n is a, c, g, or t

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<400> 2996
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tggtctagga tcaggtagcg ctggagcttg gcaccaaagt ttctcatgat tgcatatgga    120
ggncnccttg tgatccaccc tcggaagact cgccagaaag tagcagttcc tgctacacac    180
tacagtgcct tccaacgacg ttctgtgtga actgcatgca gtttcgtgta a            231

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<210> 2997
<211> 245
<212> DNA
<213> Mus musculus

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<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>
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 <222> (138)..(138)
 <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> 2997
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 attgaccaga aggacctaat ccataaggctc aagactgaac tgtgagggct cccaggagag 120
 cccagggact ntgcncnca 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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 <223> n is a, c, g, or t

<220>
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 <222> (75)..(75)
 <223> n is a, c, g, or t

<220>
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 <222> (78)..(78)
 <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

<220>
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 <222> (138)..(138)
 <223> n is a, c, g, or t

<220>
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 <222> (155)..(155)
 <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> (501)..(502)
 <223> n is a, c, g, or t

<400> 2998
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 gcaccatcca ntttncantg ctaactttac tccaccacgc agntgagcag gagccaccac 120
 tncaaccccc tccagcantt ttaaattgtc acccntgcag actaggaaac tgaggctgtg 180
 gtaccgcaca aaggccgacc tttccttctt ggaaatcaag gagggcagat tctccctgaa 240
 accatcaatt tcaaccatt tctgaggacc catgtgtgct caaggggtcaa gaccagccca 300
 aatgcaggag cctccaggtc tcagatgctg ctggaaccag caagtaccct tgcccacaca 360
 ctttctgtgc 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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 <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> (454)..(454)
 <223> n is a, c, g, or t

<400> 2999
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 cttgcgtttc tccttgagat tcttgtgttt accagaaagg tatctcgctt gcatttgaac 120
 atggtttgat ttgttcagct tccttctgct cctgcaggac ttaagcatag tgtgtctgca 180
 gagctttag ctgccatgac ttgtctgctt agtttggtc ttctggctct tccctcgaat 240
 accgtcctct tcaaacactg ctgccgttag aaatcctgtt tccttgctgt ctacttgtgt 300
 aacttttaaat tcagattctg atctcttaag ttgaaagtct atttctatga aagttgtttt 360
 ccntcatgga aactgcatcc tgacacttgt caataaaatg catgagtacg tcagtcacaa 420
 gtttaaataag gccactgtgt tgatggaata tttntcacct ttagagcttt cccagtgaca 480
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<210> 3000
 <211> 306
 <212> DNA
 <213> Mus musculus

<400> 3000
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 tgcaggagca aggggagaac acgtatgtgc cttacatgct gaccctgcag aaccacacct 120
 tcacagagaa catcaaacct ttaccacct acctggtgtg ggtccgctgt atatttaaca 180
 ggagcctcct gggacctttt gcagatgtgc tgggtgtgcag cacgtagcca gcagaccatg 240
 gccaggcctc tggagggcac ctctcgagc tcagctttcc caggtccaca gttctgctag 300
 cagctg 306

<210> 3001
 <211> 551
 <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> (397)..(397)
 <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> (425)..(425)
 <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> 3001
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 taaaagtcag gttaaaaact caaaccata aatttccagt agctaattgct aggctagtgt 120
 tcaaaagcac tctaaaagac atttagtcca tattttggga aagaaactat ttgcatgttt 180
 aattcatctt ttaggctgct gttgagtata ctgtaaagtg ctgtgtgata tcaagccagt 240
 aaagtactta taaatggcac tttaatatTT tcttttgaga aatcataaaa cactgtttgta 300
 aatttcacta ttgaatattg actggtacat agaatcaaac tctgtaatta aaaagtagcc 360
 tgcagctagg atagaacatt tttcttgTTa ttagagnaaa aaaaaaagtt tnccatgttc 420
 aggcntTTTT 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>
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 <222> (455)..(455)
 <223> n is a, c, g, or t

<220>

<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
 ttccaaatg 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 ggctattcctt 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

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<400> 3004
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ttgaagggtgc ttctaatagaa aacacatggg tattacgtga tctaaatgtc cctcgaattc      120

acttaacttt tcttgtcctt ntttcccttc aaatatgttg tctatatattt ctcccctaata      180

ttggaacaaa tgtgactgaa atttttccca atctcacctt cctaaacacc cacccgctca      240

gcacttcact tccctgcctg taatgggtga aaaacatntg gccagttctg gacctgggggt      300

tggttccttg atgaagatga tgcctcaaaa cagtttctaaa aatgtttaca ttacaaggct      360

aggttgggaa tgtcacatat aaaacctgga tggtttgaaa atgctgccat gaacagttat      420

gacttgccca catgcactac agtaaaccga caatgtatct ttcacctttt ctacttgcac      480

acattgacat atgtactttg tttaaccgca gtgta                                     515

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<210> 3005
<211> 510
<212> DNA
<213> Mus musculus

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<220>
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<220>
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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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<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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<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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 cccctntagt gtgaaatgct ggggtgcttga ggcacctgcc tctgtggaac ccatactctt 120
 tccccntcct gctgcatgnc cgggactccc tgccatgacc tgaggcagac tgaacttnac 180
 ccntcagag ggtgggggttg cagcaggtgg ggaaatcttg cagcctgggg tgccctcttc 240
 caggtgagaa cgagagtctc tcnctcttct ctaattccaa gtttctctcg gcttgagatg 300
 tcncagact ttctttccaa ggctggtgaa cactgttccc actcccantc cccagtgtca 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 tcagcgggtct cgggtctgcgc ctagctatgc 120
acataggtgt ttgcagagct cttccatgga cggccctcgg aggggggagac cttttctgag 180
gactctgcac tttctgagca gctgcgtgca gatgcctgct gccaccaggc ctttaaatac 240
attgtgttca attccaggtg ggaagatagc atttcaggtt tgcagaaatc aagtcacatg 300
actgtcttcc ttccacactt tgaggataag gaggacagct tttttgtgtg tttcgttttg 360
tttttaaagt aaggaaatac cccattgct gatgtctata gcaagtgatt cgtttctctg 420
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<210> 3007
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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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<220>
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<222> (392)..(392)
<223> n is a, c, g, or t

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<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

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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
aaggaaaaaac aacctcacag gggcacatct gtggataagg caactgatga nnnnctggga 300
atgggagagc taccctcnac ctgggaggag ctctctatct agttatccaa tacaaacagt 360
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t 421

<210> 3008
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 3008
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 acagttgagg aggctaagac tgccaagtgt ctcaaagaca tatgctgtac tctctgaaaa 180
 ttcaaa 186

<210> 3009
 <211> 529
 <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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 <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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 caaggccttg cttgaccatt taatttataa tgacccttaa cctgtgatgt caccaagctg 120
 ctttgactca agtccaggaa tgtgcacggg ggatgcagat ttgttttttag caccgaggac 180
 tagaactctt cggggagatg ttcgggggtac ccagagacac ttgtactgtg ttgtggtttag 240
 tgttctatct tttttttttt aagatgctta taactgaaga tatcactctg gtcgggtacta 300
 gacccttgat gactacttga tctgagggtn tcgtgggcgt actncctttt tttttttttt 360
 tttnaaacct ccagtattat tatatgcatt gtgtgtgtag tgggggtggg gactccaggg 420
 gacctgaaca tccattatgg ctgtgcttgc aatttgtgtt ttgttttgtg ttcctgtggc 480
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<210> 3010
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 <212> DNA
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 <223> n is a, c, g, or t

<220>
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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

<220>
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 <222> (140)..(140)
 <223> n is a, c, g, or t

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 canttcccca cctttcccct ccagggcatn tcagccctga gaaagccctc acagtagatg 120
 atatttcact tccctttcan ccaggggact tcgagccaga aagactgggt tccagaatgc 180
 tggctattac ttcgggggtt aggtttctgg gtcggcccgg ccctcttttg gctgggaggc 240
 agctttggga gcagtgtgct atgaactcca tctgggagat acttgatctt gctggagcag 300
 agctttgccc ttgcttcact tttctggagt gttgcaaggc ttgtgattcc atgtagagta 360
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<210> 3011
 <211> 451
 <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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 cccaaggctg cagccatact gtgttacagg cttggggctg gggcaggctt ggactcagcc 120
 ctagacacga agggccagcc caccctncc ctgcctgacc ctagaagggt gggcatgatg 180
 cacgtccctt tcactccatg ccacatctgg ggggtctgag ccacccctc cgttccagtt 240
 cagattgaca cccacacac acactgtccc cagaccgca gcacaagctc tcccagccat 300
 gcgctggcct gtcctcccag ggagctgggc gacttccata tgcaactagt agcgaacagc 360
 caggctccca tgaacctct gcactccag tgccattctc ccatgacctt tttgtacct 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>
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 <222> (373)..(373)
 <223> n is a, c, g, or t

<220>
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 <222> (391)..(391)
 <223> n is a, c, g, or t

<400> 3012
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 catatagtta cactcatcca atagtttgaa gtcattttta 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 ttcttaaate ttgtttattt 360
 attgtcctaa ggnaaacatt ccatttttaa nccccacagg ttcaataatg tgttgatttt 420

tgtttctgat agctgatctg aatactatcc ctcaatggca agaa

464

<210> 3013
 <211> 239
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (32)..(32)
 <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> (168)..(168)
 <223> n is a, c, g, or t

<220>
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 <222> (207)..(207)
 <223> n is a, c, g, or t

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 cagaagcctt agtcatgggt gtgagggtgga aggtttcatt ttgtgtcaga gttgctgaat 120
 gttaatctat ttcataaaga gtcacactaa tgatctagct gctgntancg gccaggcttt 180
 tccctcttgt cccctccacc tcacatntat cagtttgcca cagaaagatg agagatgcc 239

<210> 3014
 <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

<220>
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<222> (398)..(398)
 <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> (510)..(510)
 <223> n is a, c, g, or t

<220>
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 <222> (520)..(520)
 <223> n is a, c, g, or t

<400> 3014
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 cctcctctta tgccacgccc cttgcctagc atctgttccc ctccctcaat 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 ngcttaacgg 360
 acaaancccc ttctcacttc tttaaggaca accccttncc aagtctccca ccaatccaca 420
 attccctgtg accccacaga cctgcttaag ttctggggaa ccctcggaag gttggagcac 480
 nagagctgcg aaagttcaga cgctgtagan tcccagtgat tcagttactt cagggcacag 540
 aactagcaa 549

<210> 3015
 <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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<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

<220>
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 <223> n is a, c, g, or t

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 gatccatgca tggagataac ttaatagaaa anttattgtc ccaacattca taaggaaaca 120
 ttattttaaaa tganaaaatt attgtcagaa tttaaataat attggaaccc tattatcaga 180
 gaattctcat aaagaaactc tagattgata atattctaaa acattttngc acaaaattca 240
 acttaaatac ttatttcaaa aataaaacat caaaaattct ttcaccttct attaattatc 300
 tgacatcatt aataattgta tagaattcat ttttaaatac ttaaacagta ttctaaagtg 360
 aaaggatttt aaccagaata atagtaataa ntatgctaata acaancatgt tgcataatgt 420
 ttatagttta gtatgggagg taattagtat ttatgagata tattctcttt gaagactat 479

<210> 3016
 <211> 570
 <212> DNA
 <213> Mus musculus

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 <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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 <222> (39)..(39)
 <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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attacatcat cttttcttgc ttagcatttt gattctgaaa caactttctg aggagatgta      180
gttttgtgag ttgtagttgt agtaacttct caggggaatgg ctaatgttta tcatctatga      240
ttgatatagt gagactttat gggaggaatg cttctcctga gggcactgag caatgccttg      300
tgaccctctt ttcatcaagg ccatcagctc ctgatttatt ttggtgagtc ctttaaggcc      360
ccccccattt tgctgttgag tctggtaatc aacaccactt gttatctact ggctcagctg      420
tagcctgata aatcctatgc caagtatttg gagaaagcac tgaaaatggt agataagcct      480
ccctgacttt agctgcctta atatctgcag ggtatatgag cttctccaag tagtctgtct      540
caagggtact taagcagcag agaccctga                                          570

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<210> 3017
<211> 543
<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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<220>
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<223> n is a, c, g, or t

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<400> 3017
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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 attattttta actagtatta aattccattn 420
tactaattaa cttactaaat cctntattat gtaaaaat tgcatttggga aagagaaaaa 480
ctgagtcaac ttaacaatcc tgatatactc catccagttt gaaaatacat cccctctcat 540
gat 543

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<210> 3018
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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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (384)..(384)
 <223> n is a, c, g, or t

<400> 3018
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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
 atagggttaag attattttca ttgttgtggg anagaatagt gttattgttt ttagttttgt 300
 ttttcanaaa agaaaaatga ntcaccatat agtttgtggg acttacttgg agagagagat 360
 caaaatntcg cttgcacttg acantcggtg tggagtaaaa ggctttgaaa cccatggaag 420
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<210> 3019
 <211> 418
 <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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 <222> (340)..(341)
 <223> n is a, c, g, or t

<400> 3019
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 ctgcctcctg catcctccca gataacaaaa cacattaaca cattcttact ggataatcca 120
 atttgccaaa acatttgggc attgtgcna ccacctgccc acacatagga agtccacttc 180
 agtaagtgca aggcgctanc acccatcgag gtagaggaca ttgctttaag cccagtttg 240
 tttgtagggg tgagtatgaa aaagcccatc tcctgtgtcc ccattgctcc ttccccttag 300

cctcgacatt tcaagttgcg gtgtgtgacg gaggtgnctn nccgaacgag aagagatgcc 360

acagtgtatc gtgtctctag ttgtattgta tacctgctta acatctgcga catttctc 418

<210> 3020
 <211> 469
 <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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 <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> (305)..(305)
 <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> (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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gtttaacctc aaggtagact 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
agacatttct gttgtctggt ttgtggtact tatacgattt gttctccat                469

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<210> 3021
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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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<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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> (82)..(83)

<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

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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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<222> (165)..(165)

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<222> (281)..(281)

<223> n is a, c, g, or t

<220>
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 <222> (309)..(309)
 <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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 tnttcntcan ttncgccagn cnngattcat tantntggta atntncccat gcttctcatn 120
 ttatgnccat ttcaagaagg caagagggat agagattatg tcatntcttt ctaacataag 180
 ctaaataata cnaaatcaaa ctatataatt attatgaact acccagacca aggtatttaa 240
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<210> 3022
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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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 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 ttcgatgggtg tgaaattgga agtatcaagg gctttctttg gtgactgcac 480
 aaagtcatgt ctccacctgg aat 503

<210> 3023
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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

<220>
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tacacacact caatcccgaa agcagagggt tttggtagaa ttaggcttct tngagctttt 120
gccaggctctg gantattcca attttttagca gtttagagtc agtcaaatga agcatttttt 180
naaaggatat cattctgcag tatcctgaan cctgcccttt gtcagacagt gatgagtaaa 240
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<210> 3024
<211> 316
<212> DNA
<213> Mus musculus

<400> 3024
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tctttgacag tgtagcactt gctgtggagt ggcctctgag tcacagggac ccctgcagag 120
gccacgtgg accacagcgg agtccaggct tgccctgctct atcagaaagg cagcaggact 180
gatacctcgc agatgttagg gacacgttga tgcctctctg tcctgtacca gttttgataa 240
gaaggcctga ctgtcactcc attgtgacag tgaatgtgac agcaggaaga tgtttcttac 300
atctccacaa gagctt 316

<210> 3025
<211> 472

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (164)..(164)
<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> (270)..(271)
<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 gcggggggagt gttattctca attatgttat taaacatgaa attctagnta 240
tgatgccctt atgatttttg tcacaattan ngccacaatc tttaatatgt atgtaattta 300
ccctcatata tgatttgagg ctaaattctaa cttttgtaga agtagcctgt cctgacatct 360
tgactcattt tacactgact tgagatatca gctttatagt acgttttcat tctcccagac 420
ccatgcacat gcagcactaa ctgaacagaa caggttactt acatacacac at 472

<210> 3026
<211> 565
<212> DNA
<213> Mus musculus

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<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> (313)..(313)
<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> (353)..(353)
<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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<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

<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

<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> (527)..(527)
 <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> (540)..(540)
 <223> n is a, c, g, or t

<400> 3026
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 gtgggtgtgg ttacactaa aacaaagttt aaaaaacaca acaaaaagat ctgactttca 120
 aacaggacgt ttttttcttt aagaggcacg aggctgcctt tgtgctacca gtgttaaaat 180
 actcagttgt ttttttttga caaagcgtgt actgtgtaag ccttgcaaaa aataataata 240
 agagcaacaa caacaacaac gaagaaaaag cctgttctat ggcgttcgna cttttgtaaa 300
 aggttttcctt gtnccaaata agtacaaaga tttaatntac tatttaaacc atnaacatac 360

natanttcca gnaattatatt tntnatcagt gatattgntc ttnagtntcn atatttatat 420
 tnagattaat ttttataaat gaaatatttt gatgggtctaa gnaaatgagg acaggaagga 480
 tgcgatctct gacggcttnt cgatnccttc atntctcaca cactcgncn agaatcactn 540
 tcaagagaaa cgaccacggc caagc 565

<210> 3027
 <211> 392
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n is a, c, g, or t

<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

<220>
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 <222> (331)..(331)
 <223> n is a, c, g, or t

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 ttgcagaccc ttncaccagtc tgactggagc ctaccataaa ctatggaagt ctaaagcctg 120
 ggttgggtctg gtgccatttt tgtttttccg tgtgggtcatg gtctctctgt gcccttctg 180
 agaatctgtt tgctctcagc tcagctatatt tccatctagg tccttctcat aggagggggc 240
 tgggtgctgtc tcttttctgg tactggtagg ggattagatc cattnctcac agacttgctg 300
 tgggtgttgct catacctgag ctatncctgg ntcaggctcc tatgggcaca ggtgtatgtg 360
 tgacgttaca tgtatagctg tcacacggct gt 392

<210> 3028
 <211> 90
 <212> DNA
 <213> Mus musculus

<400> 3028

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tgaactatct ttacttggtg gattcttcct    90
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<210> 3029
<211> 339
<212> DNA
<213> Mus musculus
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<220>
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<222> (65)..(65)
<223> n is a, c, g, or t
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<220>
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<222> (172)..(173)
<223> n is a, c, g, or t
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tttntctta ggcgttagtg gatgatacaa agtaagtcag gttcatgtcc tggtcagtgc    120
atcaacctag tcatttgga gagattgttt gtttggtttt tttttttttt tnnctgattt    180
gctttgttct tatttctgtg acgtatggaa ccataatac ttgttcctaa atgaaaacca    240
ggacagatga actatcttta cttggtagat tcttcctcag ttgcccagagc ctggattcat    300
tagtctggta atttgcccat gcttctcatc ttatggcca    339
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<210> 3030
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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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<220>
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<223> n is a, c, g, or t
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<220>
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<223> n is a, c, g, or t
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<400> 3030
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ctctcagttt tggcactgct acaatgtctc ccttggtttc cctggcaatg cagtttgctt      120
ttcttccttt gcctcttcag aggtttcttc tggttagttg tacagactcg ggtgtcacct      180
gagctttttg tatcgtgaat acatttaggg atcttctgct tctttttgtc ccccatattt      240
cccatccctt tatacactag gtttggtttg aaattctttt ctcttctttt cttttnnnnn      300
tttttttaaa tgggggtttt ttttgtttta ggtaggagac attnatatag tcagattggc      360
ttcaaacttg tggttttcct accccagcct cacaaattca gggattatgg aggttaacta      420
ccacgtctag cattctttgc tgatgttggt tgtttgtttg tttgtttttg agacagancc      480
tctctgtata gccctagctg acctggaatc tgctatg                                517

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<210> 3031
<211> 296
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 3031
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caagatatta tcacagcaaa aacaaataaa aatttgattg tcttctaaga agctattgggt      120
agctgctggc aaagggaaaa tccgttttct ccatgaactg tccctgggtg tatcaaccgt      180
actccagggc tggccgcgtg tccnaggagt agctgnccaa tacagacaga ctccnatgtt      240
gttngttggt gttactactg tcctttcatt ctgttggttct gtcttactgg cttatt          296

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<210> 3032
<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> (55)..(55)
<223> n is a, c, g, or t

<220>
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<222> (73)..(73)
<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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<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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<222> (311)..(311)
<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> (395)..(395)
 <223> n is a, c, g, or t

<220>
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 <222> (403)..(403)
 <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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 <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

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 aatgcttgag acncaatgta cctcagatta caaattgnat atatataatt tttttatttt 120
 gaaatatttg tatagacttt ctactttcta ttagatttga gagtatttca gattttggaa 180
 ttaggggttat tcaatccgtt accaggtaaa actcacaaaa ctagtgtact gtgagtgatc 240
 actgttcatt tgaaaattca cttggtactt natttatact ctttcctttg ntctccnatt 300
 tgctntaggt ntcaactctg cccgctcagt tcctccttcc taccaccac cacaggaccc 360
 gttaaaccag gnccagtacc tgntccccga tggcntcgct cantctcaag tgtttgagtt 420
 cactgaaccg aaacncancc antcaccatt ctgncnaaac ttcagtaggt taaccccctt 480
 caaaaaataa tacctatagg aaggcagata 510

<210> 3033
 <211> 338
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (64)..(64)
 <223> n is a, c, g, or t

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 aggnccatca gataaaagtt gattttgctg gtgcagaggt tggatatttta gcacagccag 120
 gtccggagct cctgatacctt atttattttt gtaactgacc agtgtggagt atagcacaag 180
 aattccctct gcctccctcg tgcctcccga gcgcgtgctt gtggttctga gtgcctccta 240
 tttattccat ttaccagctg acgtctgtgt gcggtgtttc ttggtgtcct ggagttgggc 300
 atgggcggga ggggggtatt cctcctgccc aaggcggt 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

<220>
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 <222> (281)..(281)
 <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> (328)..(328)
 <223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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agctcagagg tgggattgag catgcctagc agcggcaggc atggagtgcc acactatcca      120
ccccagggg gcacgaacct ggaccagatt tctttccacc ccaggatttc tttgcatctt      180
gcttgccctaa tgcagtagga caccatgncc gagatctgtt tccgagtggc atgaaaancc      240
ctggcttttg ccctctgccc tcagctccga aactcatccg ntntcttcca gccccagtag      300
tgatgagagc ggctgggtca tgaagctnta ccacaggact actntcgagt ttcccacttg      360
actccttttc ccaagaaatt gttgtaactc tggcttttagt atatacat                      408

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<210> 3035
<211> 529
<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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<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <222> (375)..(375)
 <223> n is a, c, g, or t

<220>
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 <222> (387)..(387)
 <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> (429)..(429)
 <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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 <223> n is a, c, g, or t

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 tcttgagag aattctgatt ttgttcctg caccacgtg gtggctcaca gtcattctgta 180
 actccggttt caggggatct aacactctct tctggcctct gtgagcacca ggcattgcata 240
 tgggtgcactt acacacacac acaggcactt atacgcgaaa ataaaaatct ttattttcaa 300
 aagtctaata gaatactcag gaaattttgc tgnnttttcc cnaancctna acatttntga 360
 acattcctat tncantcact agaaggnaca gaaaggacac atttgtaagn atagcatcct 420
 agaatccna cctgtgttta cacagacntc ttccttctgg agaggcaccc tgcttcgtag 480

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529

<210> 3036
 <211> 430
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (242)..(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> 3036
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 ggtcagtc aa ctctccaact atattctgggt ttcagtgtct ctctttggcc tgttttttgt 120
 ttttctgatt tcagtccttc acaaagtttg gctccctttt gtaacttact caggttcatt 180
 ccttcatagt tgtacattat gtatgaaatg caacttcggt atttggaaaa agttcttgct 240
 tnnngtata gaaatgaaag ataatctttg ggggtttgtc aggtaaatcc aaactattag 300
 gatagtcaag tcccctggaa tgatttgtat ctatttttga atatatttta cttagtaaatt 360
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 cacaccaata 430

<210> 3037
 <211> 396
 <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> (242)..(242)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (363)..(363)

<223> n is a, c, g, or t

<400> 3037

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caaccttgtc caaatgcac accctgaagc tcattcgggt cactccagct cctgtacccc	120
actgatttta gcaccccagt gtctacatat ttctctaata tatgtgtgct cagtgtgaa	180
gggcttcttt tacaggggca cctcatattc tcttgtggag cccagttct taggctgtgt	240
tntacaggag gaagcacccc aacgtgaaca agtatttcct ttcctcgtgc caactagaga	300
aaagggcaca gtgatgggac aatggggaca aacgaggttg atgggcacca agccctgact	360
ctnttctgcc tcttcgcttg gttctttatt ggcattg	396

<210> 3038

<211> 489

<212> DNA

<213> Mus musculus

<400> 3038

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cataaaatgg agaaggacag caactgaaat caggcaccaa tctcaaagtc ttctggccac	180
atctccctct ctagagaact tgtcaagcat ctgggaatct cgttgttcct tcctttctgc	240
ttggtatcag actgtaaatt ctactcttca cacttcattg tccagctctg agtgccactg	300
agcagaggtc atgttgggtga tcgccaagct cacaccaggc atcctctgcc agcatgaaca	360
tgccccctg aagcagtctt cctgaaaccc tcacttccca aggtatagtt ggttttcccc	420
aagttggttt ctcccacgac cttctaaact cagaacagca ggccatagcc tcctctgtag	480
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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

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 tgttgttcta aatggacagc tctcaggcaa tgaaattaga tgtgtggaca tcagggtgaga 180
 acaaaagctg aggtagcatt tggcattgga aaaaattgng taatatatta attgatgtaa 240
 gtttccttaa tcttacacag tttgtgaagc atattnatgt acatatgttg gccaggatca 300
 tgaaatncct cctggtttgc atcttttggg gtggcttcaa taaagaaata agtttgaata 360
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 gaacagatat gtaccgcaag tttcaacctc agagattaca ggtgggggtca gagtcagctg 180
 aacgacagag tcttagccat ctctcctgca tcagcattgg gtaaagccat gccatcacia 240
 ggctccactt ccttgggtcat taagtagaca gacagatgct gtgcacaggc ctggcctttcg 300
 gggaaggtct tggagggtct tagagaagtg cagnagtaag gagagtggcg tgggagttca 360

ctgggtatgg gaaactacct cattctccca aagggttcgta gaagcacagt taagtatgga 420
aagtggcttc cttgcaccac agacgtctca cgtgaagccc tgctagtgtt aaggaccac 480
agtgggtggtg ttctgcgggc aatcgacaca ttcctcactg ttggcagggtt ctgcagatta 540
tgtccacctt tctgttgcca ataaa 565

<210> 3042
<211> 88
<212> DNA
<213> Mus musculus

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cacacttact tccagagctc ttgtgttg 88

<210> 3043
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<212> DNA
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 aacctcatgga gagaaacatt tgccatttgg gaaaatacca atgattgcac gactcctgac 120
 ccaactgcatt tcaacagttt tagcaatcac atttctttct tgaacttgac ccatnttgca 180
 ttnaccnct nnttcacat gtcatactag acnagacagg actctgtacc anccagttan 240
 tcagaatctt ctnacatagn aaatctgaga ccaagtgatc tgancaagta ttctacagcc 300
 aggaactgaa caacncaaca gtttttacca tggaaatgtt aaatcctaca acccaccatg 360
 gnccggaaga tggagcaatg gtggctttct tttccttggc tgttcttaaa gtat 414

<210> 3044
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 tttgtagacc aggctggcct caaactcaga aatctgcctg cctctgcctc tgcctcccga 180
 gtgctgggat taaaggtgtg tgccaccacg cccggctgag tcctccatct tgattaggag 240
 aaacatttcc tagattttct ttatcttgta ttttcatcta gcctcctcct gccccactt 300
 tttggntcct ctacactcct tgtctccttt caatgtgaan caatcaacta tacaatnata 360
 ttcattttca taagttattc agacaggtga gtncaaactt tacattctgg atttccatat 420
 nagctatfff ttattaaaat ctgataaact gatttcctaa tttattacat atgtatctaa 480
 atttatattg aattatatat cttatataaa gatnatctaa atattgtcct tcaatagtat 540
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 tttattacaa ctgtgtcatc agtctcgaac tggcaaacaa aaagtacttt ccataaagct 180
 tgccacatcg ctttgcattg tcaaccctact gagccaaaga gtcactgcag ctatgggcat 240
 ttgcctcatg cagagttcag tataagcatg gatgttagtt attntgaatg ttaatatacc 300
 cncnncntnc tgaagtcctt tagnatttnn ttcttttnana cnananccta gaattntgag 360
 acnaaatttc cnactcattn aantgggatg attatgacaa cacatagaag ggtgacngac 420
 tacatattca cattcccat tt 442

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 gttntncnag canctgtggt gataaatnat ntatnnattg agtaggcttg cactaancct 120
 gcttcccagag tgtgcttttt gcagatttnt ctagctctga agaggtggtn cctgccaggn 180
 cccggggatc tgctcttgct aataaccatg ctntttcctg ctttgncctt ggtgtagntc 240
 ctggcctcga gaaacagtgg tcacgtgggt ggtgggctag gcagataatc tttgaatttc 300
 atctgtagct gagt 314

<210> 3047
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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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acgtgtggac accaatgatg tgaagccnaa gtttagaggg gacacacagc tttctttcac 180
atgttttaag tgttccacat gtttaaaatg taggcttgac cctagcagcc atcgagtgca 240
taagcgtggt caact 255

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<210> 3048
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<223> n is a, c, g, or t

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cacatttttac ctttctttgt tgtcaacgtg gccttatcat caaacctctt gcctttatta 180
accacaccag gattctaggg ttgacattat ctcatgcac tttctgcccc agtgtgaagg 240
gactacttct tanccttcca cacattcatg aggactnncc tncctncccc cttgcagcct 300
ntatgttgct ctctnctgc tnatgatagt ctgggtgcaa gagacttgaa gtgtgttgat 360
ggacattcct ncaagaacca acccagcatg gatcaagcac ctggcaccgt tgtatctggc 420
ataaatct 428

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtcagggtg agtgtgttca gcccatgctg actttatagt tgatgtgggt ataactcaga 180
atggtagttt tcaagaagct tttgactgtg tctttccaga ngtaacatgg gtgtgtttgt 240
gttcccctct ggctgacagt gacagtcaga tccctgcac ttttgactgg tagcagctcc 300

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tctctgccag acttcccctg acatctcaga gttgctcaag ctcttgattc agaantncat   360
tgaccacttc tggatttttag atttnatatg atctgggtnt agaccattgt tccatattnt   420
agtgacagagg gtatcacatt aagggtgtcca tttgaggctt atccataact a           471

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gttactactt tggaatgttt gggcttngtt tgttcgtgtg tgtgtgttaa gttgttggtt 180

ggttttattc atggatatgc agctttactc tttaac 216

<210> 3051

<211> 441

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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ttactgccta gggtagttga aaaccagtga tctgagctag tgctaggtaa acctatagct      180
gacatgattt cagtcacact caaaaatagg agacatgtac ccagcaaagt tctccagaat      240
gcaggaacac acttcataac cagggaaacta nccaaatcct atgggctaata agctcagctg      300
cagggataaa agattgtgaa ttggtggcaa gtatnncaca ataactccct aataattgct      360
tcctaagcac ttgtggcata cttttgagtg acataacagc attttcttgg ctgtacatga      420
ccggtttcca tgatgtattg a                                              441

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cttcgagaaa ggaccattgt attggaacag ctttcaaggc ccagcacaac acacacattc 120

cggtcagaca cacctcgaaa aggctccctg acaccctgtg agtttgtggc tcacacttgg 180

acgggtcaaa gtattttgac aggttcacag tatctgccn anatcttadc agaggncaac 240

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cttgctaga 309

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<211> 52

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<213> Mus musculus

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<210> 3054

<211> 493

<212> DNA

<213> Mus musculus

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cagggatttt gcgtagtact gacaggagag cttctccgga ctcaggcctt tagtcagtct 180

ctcgggttta caggcagaga ggcttgaagc agccttcggt tcatgctttc tgctgtttct 240

gatttctggc tgtgtattct gagctgggat aaacagattc tcctctcaa acacttattt 300

gctactagaa acgaaattgg cacattaagc ctccctttat tacagttcaa gaatttgaac 360

tccagattga tcgatttacc ctccctgatt ttgacagtc cctaaactgc ctcgtgttgt 420

cacatttctt caaattcttg ggttcgagtt tctaaagcac aagaagccag gaggccctac 480

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<211> 493

<212> DNA

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 tttattttcc cccaaattta ttaataccta aactagatta atgtaaaagt acaagtccta 180
 aatcttggtg ctcctgaagg cttgtagttc ttctgaagat atatatagat agatagatta 240
 acttctgaac atattaccac tcaccatctc taccttggag aagcgttaga accctgctcc 300
 aggggtctgg tgaggagcgg gtggctgggg gttctctaca cagaatttgg tttcgtctgg 360
 ctgcttggtt gggttttctc tctntcctct gctccccagg ttgctctct ggtgcttagg 420
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<400> 3056

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gttccccgcc ttccccctcc ctntaggaa gggataaacc ttcgcatag ctcacattta      180
caaagagctt tcgggctcag gcatacactc ggaagtgaca gctgctatta cgtccatttt      240
ccggggagga aaactgaggc caaaatgaca gtcacttgcc agtaatcaga tatttttagga      300
agtggctagt aagggacttg aattcagatc accgtttcaa ggcccacact tcatttcctc      360
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 actccagcga ccgaccggcc ttcattctaac ttgtgtgttt ctttgtggac accngggnnn 120
 ngggnntntn 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 aattttttta 360
 attttttttg tttaaagana aaaancaaac gattgcagct ttanccngtg ggnagtcctc 420
 tttttactct ctgtatctcc cctatTTTTT ntcttctccc catgtcattg tgcgcatcaa 480
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 gaagctgggc agaaagggtca ccatgttctt ccttacctca gtttacctgc agcccttgct 180
 gcagtgcaga tgcccaccct gtaccaggtc aggccggcag atgcttcac catgcctcan 240
 ngntnnncgc caacatgctt ctcacgtctc ttccctccc caccctctt cccaagcact 300
 aggcttggtg tttaatggag cccaaccaat aatcatgtgt cttcagggtt ggctcagtgc 360
 agttgctaag caaatcagtc ttcaggagaa acgggggtgg gtggataagg ctggaagaaa 420
 tggcaggtag tggagagtgt tgggggtgtc gatggaagac aaaaacatgg gccgttctct 480
 tcagtctagt acccagtga 499

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atctttttgt gttgtctctt tggtcagcag tgaaatttta ttctcagtgt tcctattntg 180
catnngttta 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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<210> 3060
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<213> Mus musculus

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taatcttttc atttttgaag ctccaattt gcttgctgct gctgctgcct gggggccagg 120
acagaggttag tggcggcccc catgccgccc tccttgagct ggtgaggaga agtcgccatt 180
gagcacacaa cctccaccag actgccatgg ccccgaacct gcaattccat cctagcgcag 240
aagcatgtgc ctgccacctg ctgccctgc agagtcatgt gtgtttgtgg tgggcatttt 300
aaataattat ttaaaagaca ggaagtaagc ggtaccgagc aatgaaactg aaggtagcgc 360
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<210> 3061
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 <223> n is a, c, g, or t

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 gaatgcaggt aactgctttt nccctttacc gtcctcaggt gagtctccta gatcaacagc 120
 cttttttttt ttttncctta aactggctcc tgtcaaagat taagttaata tggaaaagac 180
 ctcttatgtg tattgatggg gcatgaggag ccagggcaag gagaggctcg tggagaggct 240
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<210> 3062
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 cttctaaacc acaggtcaac cccaggctgg gtaactgtgg ggcagacaca aggggaagtca 180
 gagacagggc atcaccggtc ctgtgacagg cagagaggca gcagctgtag ccagcagagg 240

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taggagatag agaggccac tttagccac ctgaggaccn aggtccaccn nagggacagg      300
nagggnaaga ganancaggg atngnaanaa gcaggctaac aggnccctgag cagatagtna      360
tccaganttc actaagagtc atatgatctt ggctggcaag gtgggttcagg gggttnagnc      420
ccttgctacc acncctgaca acctgactta gtttcccctg tgatagaaga ttagtgactt      480
ccacgggttg tcc                                                         493

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<210> 3063
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<212> DNA
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 nncnnntnn nnacnnnnnn nncnnnnnc nnnncatctn cgcagnngna nnaaatcctc 120
 cctnattctn tcttttgttt aaatantcct acnnntgttg tgancattct ntcactggat 180
 ccctgantcc ttngatnacc ttctganac ctgtgtgctg tnatagacca natgtgaacc 240


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cnngtngttg ggatgttcca ttttntctt cntctgaaat attngtctgt ttcaagtgtg      300
agtnacaag gacttcacat tttcttacct tctgtgttcc tactttttaa attccctgtg      360
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<223> n is a, c, g, or t

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actggctaca acgtgaagca gctcttccga cgtgtggcgt cagctctgcc cggcatggag	180
aatgtccagg agaagagcaa agaagggatg attgacatca agctgnacaa gcctcaggag	240
ccccngcca ngcgagggcg gctgctcctg ttinatgcacc ncccactcgg cttcctnagc	300
nccactcact tgttttgcct cctanagctt ccnaacgggg tgggaactga gttinatcaag	360
actggaggat ctttcttttc tctctctctc tctctctagg agtaggggtgg gacatgggga	420
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<210> 3065

<211> 543

<212> DNA

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<223> n is a, c, g, or t

<400> 3065

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tgcttaaagc acatcagatc tattttggac aatacccctg accattctaa aactggaaaa	180
ggaaaagtta cactgtatcc tgccacctta tggtagcctt gtcttttaaag ggtgaataat	240
ttggctctggg taaaatgtta atttttagat gattttttta aaaaatcttg tgccatgtgt	300
cttctctgtg gacagttaat tgtttaattg atatgtgctg attgtgtgat tcaactcctc	360
ttgtggaaac taaaatattc tttttagctt tatattttat aaactgccag attgtacaac	420
ttttatgtgt attttttaaag ctcatgatat gaggatcatt atctaaacgg cctatttttt	480

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 gtcacaccac tccgaagtca gggttcccta gaggatttct tttgtgtttt tctgcagtgc 180
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 gtaaagtttt aggaaccnca ntcaggaacc ccctggggtg ggctaccnan tcccgaactc 360
 tgggggtact ctatcaggaa agcncacttc aggagttgct cagtggatag ggtgttccca 420
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ttttcagaca agcccnactt acantctata gtatanngan nttagttnac tgaagcattc      360
atggcattta accagtgccct anaaatgtat ttntgcatca tcctctaaaa atgaaacctc      420
cantnttcag tattgaagga ttttaagaggg attgaatttt atccagtggt aatattcata      480
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 ntctttgcaa gactgcaagg agcgcgcaga antggantgg gagtcagtga taaggantgt 180
 ganttnnttg ttcaactgga tcctctctct tgctcttcga cataaatggt ctccgtctgc 240
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 ttgtcacctg taacaatggc tctttggatg tgtacgtgtg ggaggagaga agcccactgc 360
 ttaggaggtg ttatcgacta cgaaaaaggg gatatctgcc actgtctggc ttcattatca 420
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 atcatgaaag tggctagaga ttttcanagg atttntntnt nttttnttga acaactgnnaa 240
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 tnttatncta tttcnacata tttaggtcac atttacaata taatagtata tacacttttc 360
 natatgtttg atggtttgaa ttgtatttgt tagtatagaa cttcattttg tattattgtt 420
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 ttgtttttta ttaaatttga catttcacac tgagatctgt attcctagcg agtagaacac 180
 agctcctgtg ttcagaggga ttccgttcca caattgacaa atagatatatt caggacatgg 240
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<210> 3072
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 tcaggggaga gtttcagaaa tgagggaaag gcaattatag atagaaagaa gtatcctncc 300
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 ttntaggaact tgcaatctnt ccatacctat tgccttaatg ttgtggggaa aatccccaag 240
 cccagctgt ctgccccaaa cttcgcacac agagagaann nnnnnnnntg caggattttt 300
 tttcttggtg cttgagagct nttctnatna ttggagcaca accnaaactc aagacancct 360
 taattcagta agatttgcac aaaaggaagc atacctatnc naactttgga tcttaggcac 420
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 <213> Mus musculus

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 aaggataggg ctggagactg cttttaagga gaggacagga ggtgcgctta cacagagagg 180
 cctggagggg gagttgccaa gcagatgatg caggtgtagt ctcttggcct ttggacaaaa 240
 tcgcctctat ctggatcagc tgtgcctgtt tacagttctg ctcatgact attgatagcc 300
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 catagtgggg tgggggtntt cnagtgtaat gaagataatt tgatatgaaa atattttnta 240
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 <213> Mus musculus

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tntactgnat atcnaaccca gancctgagc atnatagaca agcactcacc actgacctac     360
attcccaccc tnagattttc aattagctta ntcagaagct caggctgncc ttgaacttgc     420
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tgccattggc ccccagtgca ccgtcctgat tcgggaattt gaggtttttg acaacgcggt     240
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 tattcaaaag atgatctgta ggtctgaagc agttcacatt ttaagtattg ataagtactg 180
 ttacccttc cataaacatt tgcttatatg gtccccagtg agtgtgcttt gggcagcaaa 240
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 agtggtaatg attcaacca gggctttata ctgctaagca ggcgctctac cactaaaccc 420
 agcacagatt caccctgatt ttaaaggaaa gcttatgttg ttttaagttgt ttttatttga 480
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gagaagggat ggggtgcctca ggcccatgtg gtggagatca gcagcctcag cgctcgactg	180
cgcaacctca gagagtacaa gaggggtctcc aacgccagca gcaagctggg ggaccacact	240
gcctgatgct ctgctggggc ccagctgggg ccactcgggt gcgggtggcc tctgtgtgtn	300
tgagggcnc cttcacagtc actgggggggt gtcagtcctg taaatatgct ctggctgcct	360
ctgctcacan tntgagctgg ggcctttgca ccggctgccc catcaggagg gcggggctgg	420
ctgttcctgc tgtcactggt ctccaggtgt cccgtgggca gaggggctgc ctcaacctgc	480
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 gtcattcgca ccttccagct ccgtcgatgg caataacaca gactctgagt ttgnagaaag 180
 gcctcaagct taaggctaag aacccagagc cccagaagac tgtgaccccc gtcaaggatg 240
 agtacgagtt tgatgaggac gacgagcagg acaggggtccc cccgggtggac gacaagcacc 300
 tgctgaagaa agactacagg aaggaggcta agnccaacag cttcatttcc atancccaag 360
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 agatcactca gccactcctt nttggaacta gaatggcttg cacngtgccg atccnacact 180
 tggagtcaaa gcaggacatg gatgcctgga atcangacca gagtanacac aacaagncca 240
 tgaagaatat gccactagat atgaaattca gcactgaaat ttctagacag acattaaaat 300
 taagctacag tttaagaaca ttnaacaac aacaggtgca tctncaactc antncctctn 360

ngatacaaat gacgntgagn gaattgcaga gatggntcag ctgttaagag tantttntga 420
 tnttntagag gggttgagtt tggttcccag cactggntnc agacagntca catactataa 480
 ctccaantcc agggntccaa catttctgnt ntctgtgggc acccacactt acctgctg 538

<210> 3085
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 <212> DNA
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<210> 3086
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 acacaaagga tctaccacag gtgtatggcc ttaacacccc tcagcatact cagagaacga 180
 caggagatcg accacctttt acctgaaaac tttggccaat gatatgactt cccttgaggc 240
 tgggagccta ataccctgcc gggtttcctg tggctcttcag cgtttgtgtg aaaaaacaaa 300
 ctggtgtcta agatncccag ntctttctga tcttccacga atccaccttt tgttacttct 360

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 cactgggatg ccaggagctg cttctggcct tggccttata cagagcagga attgttatgt 180
 ctgtcctgtg tgtccagccc ttggcccagg ggtgggggtct atgtggacaa aattgagagc 240
 taaggactgt gacatgagcc agagtagtgg taatgggaac aggggaacggg tgtggaagga 300
 gggcaggtgg gcctgccaga gatggaatgt ggagagaagg tgggtcccgt ggggaacaggg 360
 aagggtgctgg ggtgcagggg ggtcaggagn ccctnccagc tcagggacac agaatacaggc 420
 tcctcagact gcagaaagac cgtcctctca cttcttagac tgcacacttc ttgcccntgg 480
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 acnacaacna canacacaca cncncacatc ttttaaaatn ccctttggga aggctgagga 180
 catggnccaa tgancncaca cataanaccc agacgtggca ncatgtncct gtaactccag 240
 tactggggan caagntccag gaactccctg nccanccaga tanccaaatt ggcaagggtt 300
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 tgagggacaa cctttgacct aaacacaca 389

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 agtatga 67

<210> 3090
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 <212> DNA
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 ttttcatcag ccttgcntgt ttgttcagta ggaaactagc tatgctttac tccaagagaa 180
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 gatggagggg agtgncatg tttcacattn tcctttgtct ctatatgtta tttagtaaag 420
 tctgtattgt acagagctcc tccccccaga ctggctctac ccctccagat tatcttgtat 480
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 aagccactgg ttgaggtacc tacctgtagg gagaggggtgt catttcttgc tagtctgatg 180

tgctaaacaa gtacaaatgt ggaacccttg tctaaatttc caagagtgag aagctagggg 240

cacagacagg aagagcgagt gagaatcctg aggtacatct gctgcatctg ctttaggag 299

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 aactggctca gctctctctc gttctcctga agccatctca aacattttta aatttaagga 180
 ggggctttta actttttcaa gtgctttcaa ctttgctggt aattggcatg ggtttgctga 240
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 ctnacctata agctactgta ttatgttatg cacgacattt cctcttaaag ggttatcttt 480
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ttgtggtgct tcacctcagc cacccttcct tcctgggtat gattcaggct tcttgactga 120

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agagcattaa ggagctcatg aggaacccta agtggttcct aagggtctcct tgggtgttcg      240
gtatatttgtt tgtgatttga atgtgtgcaa gaatngcctg nctttaactg tgtatatttat      300
aggagtggga ggtggctggg gcactggaag tgaagggaga ctganttatn ttttgtnttg      360
ttgtnttttt tgttgttttc gtttctgttn ctntcttaat gggtaacttt ctcccgtttn      420
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actgacaaga acaccactgg atgctgtgtg gctgaagggc ctgggacttc agaaactcga      180
tgtcttgtat gaacagactg ccagggccga gcctgggtgc tgaggctgtt gccacttttn      240
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atcttgacgg gatggatttt atatatatna nagaatatt tatttaacta ttctatnaga 240

atnatcgagn tgccttgcta agacctttta gcatccctcc ttccttattg cgtgggtatag 300

annagcnggg nngagtgaga gncgnntcac tcgggaagct gcanccacac ggnccctgttg 360

gaatgagtga cctccttaaa ggtatcagnn tcctcatccc ttgactgggtg aggaaaaagt 420

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 cgccatagcc ctcatngtag cggccaccat nggaggatta gtctgatcg gatntgtntg 180
 ctnttatata ctgctggcac ttaagaaata aggaangtgc agntaagcca tgagctcatg 240
 aatntntacc cgaagccgat cccaggacag gagtntcagg acaggaagac atggcccttg 300

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356

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gacacgccca cagcacggag ccngtccaca tncactgtag gtnantcagt gataatcttc 180

ccgccccctc caccacctta ctttcctgag tcttcagcag cggctccatc ccctggggct 240

aacagcctgc accagattga aancccacct tcctattcca gccttnntaa ctacggncag 300

gaccccaact cctgagaacc agggagcagc cnttgagaga gaacangagc tcatatacac 360
catttctggn caggggttnat cctcggagag atcatacact gganatnttc cnttggacct 420
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t 481

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gacccaacct tggaccttgc ctgagtataa aaggtactct gtaactgagc tacagcccag 180
aatagttacg catttggttt tccgagacag ggtttctcgg tgtggccctc attgtcctgg 240
aacttggtag atagaccagg ctggcgctcag actcccagag atccaagtgc tgggattaaa 300
gatgtgagcc cacacacca gcattttaat cctattagcc aggcattgga aagcacacac 360
acctttagtg ggaacactca gtaagtaggc agaggcagag gtggtctaca gagcaagttc 420
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 cctctgccaa agagtctagt ccctgccttt tgaattcagc cccaggcaaa ttatcagggc 240
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 cagaagagtc cagttaattt atggaatagt ttgtatttga ggagttttga agaattgggtg 360
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 tgacttagtg cctgggacat agtgagggtg tgtgtgtgtg ggaaactgat gactgtctca 180
 ttcatagaat ttagtcattt ttgcttccac gtgtgcttga taatttcct tttagacttc 240
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 cagagctttc tcctttggca gaaacagaaa ggcttggaca gatctagcta agcattgcct 360
 acttcgatag agaacactat gaattgactt cccagaactt gctaagactg ttctctttgg 420
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 aacaagcttn tggctaaacc agaggaaccc cccccccca agtctaacga aacgttcctg 300
 tcgaagattg gaaagacttg ctttgctntt ctggatgcat agaaagtttt acttcaaata 360
 ttnattctag gttaagtact ttaaggatth tttttcttta aaacaatgta ttatatcaaa 420
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ganttcattc antcacagag tnatcttctg aggccaaaag tccatctnaa tncaatgaag 240

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ccanntnnag aaggcnagag ggataganan tanntnatnt cttntaaca tnagctaaat 180

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 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 gactatnca accataatnn 360
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 cagaatcagc atgtaacatc tgatagcttt gttacatgtc attcagagtg ttgaaattct 180
 gaagttaaag gggcatttaa ggattgtttc atctaattctt aaaacagcct gtcatgggtcc 240
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 acntagatgg aactgncctc acccttagaa gntcanatct gggccagaag acatgagttt 360
 ttccaggtag aagagttctg tgatgttgca gtctcacatg attcataacc atcttncctc 420
 ctgggaagag gatgcaagca aattgcngct ttagaaaaga cctntcagtt ccantcaccg 480
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 tgcacccttt aaactgattg gtctttaagg natgaggnga caaggacttc cgttgtctga 240
 tgggtggagg cctgtggagt gtgtccccac acacagggtca gttcctntcc tttagtntga 300
 gaaatgttaa ttagcctctc ctttccagag ggngacgtat tccatgacct tcccaaagtt 360
 cttgagctga ccnattcagt taaatnaaac agacnttatt tntaattntc cacatantca 420
 cagatcccag aaaacagagg tgaaattggt ntcttaaact gacagtgcac cgaatcattn 480
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 ctaagaaanc aaagaatgaa aactcagctg tgagaagcag agtaagtgtt ttgcaaatag 180
 gaatggagac atctgaagac agaattgagag cagagggnan cncctcctna ccnccatntc 240
 cgaatcaagg ggancgtgtt tcaaaagctg aatntcgcaa tagactgtag aaacnntcat 300
 ggggtgcatgc tcatagttga gggttcctgta tccatttttg gaattcagtg tttatanaat 360
 aggtggaaga cacctataac cccancnaac tgaaggctga ggcaggagga taaggatcac 420
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 accgccggct aggagtcaac tcccagagct ctaagtcttt gtggttgctg cctttgttcg 240
 gagaaacaga gtgggtgtgg atcccgtgca agcaagcgcg cccagaagaa attcgcctat 300
 aacactacgg aagctgggaa gttgaacttt ctctgaaagg tagaaaaata aagtcggagg 360


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tctccggctt cctggaagca aaagccactg cagagaagtg agatcttctg gatttctaaa 420
gacacgaaga gaaacgggct tacacaggaa ggttggtgac agaaaggaga gaagaggatg 480
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cagtggttgg ggcactggct gctctatcag agtcaattcc cagcatccac acactttacc 360
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 atttcttttc tatttaaaag ttgaactcaa aacaaatttc cccggatctt ccgattctgc 180
 cccggatgcc agaagagatc tctgcctggc tggtagacac cgcccagatg acactcctat 240
 ccctgatttt tgtttttcca atntcttggt tcttccacct tcggaaggag aaatgtgaaa 300
 ctctcatagg ccgnccaca cgggcttggt gcccagccg gctggcccga aatcccgtga 360
 cctggtggtt gagtaatntc tttcggggac caaatcttct agagggaact agagcacttt 420
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 tttaaacatt actcattatc ttaaaaatgt taccaaaggt tggnaaactc atgttatttc 180
 ttctgctttc cattctttct gggtctttca ttcttctcca tttttgattg tttggtcatt 240

tcttattaca atcttttaat ttatgtatta caaatacatt ttttccttaa caaaatttta 300
 tgaggaaagt ttcattttgt gtttataaac catatataca tatatacgta ncaagttttt 360
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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
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 agaggtctgc taaatcagtt gtttntgccc tnatcctcac gccttnccta nttncntttc 180
 ntntntttct angntntaach tttgtanant gcctcacggg gagcacggtc agagcacatt 240
 taaagggtttt tgcataggag ggaaactgca caaatcagtn ctccccntgg 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
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agcctcctga gtacagagat aacagtgtat atcaccaacc ctggcattaa cataacttgt    180
aattaatata ttctcagaca gtttaattta tgtacacaac atacactgac tgccttcatt    240
cccgccatt tctgatntgc ctgccactcc tgctcaaccc ccttaccccc aaaagtctaa    300
cgtaactttt ttaattacag ggaagtaaaa ttaaactttt taaatgttta ttttgtgtat    360
gtgacatgct gcactttggg agtctgtctt cagcacaaag gtctagggaa tcaaactcca    420
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<212> DNA

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<400> 3121

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cctgagtgtg agagcctgtc ctccgtctca tcgctcagtg acctttcctc tgtaactcca    240
cactaaacct caaacctcct cacaagtcag ccagcacagc aagtcagtga tggtaagtta    300
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 tccatggttc ttgctgataa ggggccacga ggggtcttccc tctggttggt tccaaggcct 180
 ggggaaagtt gttccagaaa aaaattgctg gcattcttgt cctgaggcag ccagcactgg 240
 ccactttggt gtcatagggt cccgaggcca tgatcagatt acctcctctg taaagagaat 300
 atcttgagta ttgtatggga tgtatcacat gtcaattaaa aaggccatgg cctatggctt 360
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ctntcctaga actcacnntg tagaccatgc tgacctcaac tcacaagaga tctncctncc      180

tctncctcct cagtgcctggg attaaacata tgnccacta tatctgacta ggatctagat      240

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 agactcgagt cagtgcaatg ggaatccaaa ctgtggggagc attgctgctc tgaaatctgt 240
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 aaatacagag cnagcctatt tatnaganag agagagagaa acagggagag aaaacacaga 360
 tactgaacca agtatgagtn gtataaatgg gaaagctttc ctgtgtgttc ctgaagggac 420
 aancagtacc ctcaacccta ctcaaagtga cagaagactc acatttcatg gagcagctca 480
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 tctatactaa acaaacagac acagcctctt tgatcagatt aagtgaacag gtggtcctgt 240
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gaggatcatc ctcacgttna cctgatttca gncanccct acagagaagg gggcatgttt 240
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gaaaatcatt attgtctctt ggtattgcat atttaactct cagtgggtatt tgggactgtg 180
gaaatgtctt ctttgtccca agaggaacga gagtggagtg attcccacaa tattgtatgg 240
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tagggtgctc tcaaaattgc tctggtagaa ggtatttctg aaaccgagtc tttatnttga 360
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 gtggctgtgc tggaggaggc ccctttcagg ctacaggcag agaatgacaa tgtcacacat 360
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 tatccgaagc acacacctca ttcaacacca gaggattcac acgggagaga aaccttacia 240
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 tactcggagc caggttgccct aatgctaagg ntcttgagaa tcttatgaat ggtgaacaca 480
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 gttcgcgatt ctctctgtcc attntagatg ggcaggtctg agcccctccg gggctctgtcc 180
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 ccctcaggtg gttcttaatg gaagggcagt aaagagactt caaacaagta cgtccttaca 180
 tttttttttt tnaagaaaag aaattaaatc attgttgga tgttttttta aagccaataa 240
 atatcatttt atattagcta actcctaaca gaaatgtaaa gataagcttt ataaaatatt 300
 tttgtcatga agtactatat accaatgatg aatcttttgt gaagtaaag acttgaattt 360
 gtcactgtgt agatagtgag atgattgaat tctgtatagg ggtctgagca gttactctng 420
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 tcttaaaagt cacctgatta ttaaataaca atgtttatct ttaaaactaa caatgtgttg 180
 tgtcttatta cacattacac agtcctaaag gtgcggctct gatgtctgtg agctgtgggc 240
 caagtattct gttttcagtt ctatagcaca gaacagtgat tagaaatgta aagagatacc 300

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cacatcaact ttctgttttt gtttttccaa ctgattcagg tgtccattga atgacgtatc 360
tcttaaatgt tgggggagtg gtgtntcaga accagttacc tggcttctgt tttgtccata 420
gctta 425

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gcccgaggagg ctcatcttcc tgcacgctaa ccctgcctgc ctgcagccat ctgcttcaga   180
ctgacgatgt ggcattgtgac tctggtcctg gtgagggatg ggcactgggg ggcccctcca   240
ggcgtcagag gccttcattt tcagggggcc ggccgaggaa gtgtgaaggn aaagctgaag   300
gggatccctg tgggggntgg gaggaagaaa agatgntctn cccggatggn tctcagaggt   360
aacaggaaaa gagacctcnc cntcagcacc tgcggtgtga taccntctc acctctgtag   420
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gggtaccacc caccctgtcc cccagtgcc ttctgtgcatc gatgtggacg cacagcccgc   180
attggccacg gtggcagtgc cctgnnnntc cngnngccca tggaggaggc ctacatcaac   240
ttcntggcca tcaaccagaa atgccccctg caggagatga gcctccagag aaacaccata   300

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gaccttctgc cgaagctccg ggccatggct ctggctgaca gagctgtggt cgagaagggc 360
 atgaaagcct ttgtgtcctt tgtgcaggct tatgcgaagc acgagtgcag cctcatcttc 420
 cggctgaagg atcttgactt tgccgggctt gctcgaggct ttgcccntgc tcaggatgcc 480
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 ttgagacaga gatgatgatg gctttgccta tgtgttgctt cccggtcgcy gtgtcgtgtc 120

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tgcagcagtc tcgggaaaag ctatcctagg gggttacaat cctccatgat tgggtaatag   180
aggcttaagg aacagtntca aagccaggct tgccaggggt tggctgtgat ggagttcgtg   240
ggggnttgta ttacgaatag cccttactnt cagtattttc aatccactgt ggtttttatt   300
gaggctantn gtncnagac tcttagctga ggaccgagga gataaaacta attaagtatg   360
cagaatagtc cctgcccacc aggagcctgt agaggttcta tcccca                   406

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 actgtctagg ctgtgtgtgg ctgaggttc cttcacttgt gtttactttg cagtcctggg 180
 gatgatcagg gtgtgtgccc acgtacccat gtgtgtgtgt gccacantan ccatgtgtat 240
 acccatgtgc caatgtcact atttcccaag nanggctggn gtatgnatga aatacctcct 300
 cccaacttct cctgcnnac antcngaccc aggcantntc tgctgcctct attgctgcta 360
 tctctgtgga agtntntgaa gagcaagagg gtagagancc ttccttgtnt ctaccatgtt 420
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 ctctccttca gtctgacagc agcgcttttt tctctacttc tttttttctt ggatgctcgt 180
 ctctggattt ttggatcttc tgtccttcag ccgtggaaac aggttctctg tactcttggt 240
 ggtatgtggt attgctggtt tttcatactn tngactccgt ngtgcgtttc ttttgtaatt 300

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cttnttttgt atttttctng gggttttgtg acaccacact nctaattcca cagtggattt 360
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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 gctgaccctt gnccacatt cccgacaagt gggtcctgca cttgctgagn 360
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acttcccctt ggaaactgtc acaaggctct gccatgagat gtgttcagct tgctgagttc 180
tttctactca agatcagttg cctctgcaac atactgtcta gttttgccta aaccaaagaa 240
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 ccntggaatc cattgggctc cattggcgac aagggtctac agcaagtgga gttccgggct 180
 gcaggctggc gctgctgtcc tgtccctccc tcccctgtaa catcagcagt agaagcaaaa 240
 agctattctg cattctttca gatgccccag caagctagtc attgctgacc ctggaaatat 300
 aaattancng cnggcagcgt tncntttctt gaaatnagag gnccaaaaag aatagaggaa 360
 agaaacctag gcacgccggg gaattntcct taatttgatg acancagcga taagtgcacc 420
 tatgaaatgc tctttggaag agggatttnc aagttaatta ttaaagacaa nccttngggg 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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 accaagttct ctctgacctg ggggtgttttc actcgtgtga ctgcttaatt gagtnaaacc 120
 cagatactta ccttgttatc aaaaacttaa aatatctgan cccatcctct ccctttagaa 180
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 <212> DNA
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 <223> n is a, c, g, or t

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 gtgtgtgcct cttcaggcag gagtgcaggt ggtgggtcag aggggtacctc tacaagagg 180
 tctggaggcc tctggcaacc acagatctag aagggtcaaca aagggttaaa ttcagcctca 240
 gtggggctgc tgctgggggtg atgacctcaa acctggatgc gccatgtntt ttacangaag 300
 attttagagg ctcttaaaag actcaggagg cctggagtta attagttgta tggcttgggg 360
 gaaagtaccc tttntgancc tcagttntc taccntaag atgagacaag agttggacac 420
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tagtcggtca cagaaatccg ctccctcgggg cacagcagct tcagggcgcg gcacttgctg      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
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<210> 3149
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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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gagcgagaag acaaccggct gtggaggacg gtggatcatc gggagcagga gcaacggatt      180
gacatgaagg tcattgaacc ctacaggaga gtcattttctc acggaggtac tcaatctgtt      240
cgagtccagg aaatgggagg anccaactct agttttcact gggaaacaan tgcgggtcca      300

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gttgagttct cagtgccttag aacccagagt cattaaaaga ccnggagtg cngcctatcc 360
tctaccgagg ctctgactca tcttggttaga 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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<210> 3150
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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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 gagcttgaag cagctgggtca cagggcagcc acatcagaag acagagtggc ataggaatgt 180
 gtgaaactca ctttctcttc ctactacccc cagaaaccca agcccaggga atggttctac 240
 caacttttag tctgtgtctt cccacctcag ttagccaaat taagataatc ccngacagga 300
 atggccagag gntcatctcc cagtgttccc agatccctcn cagttcgtaa ttaattntgc 360
 agctcagctt gccacacagga gcaggaatng gtgggaagnc cnccagcaca ggntctttta 420
 ttcttccaat ttgttggtcc tgctggaagt gtatagctgg aatntggtag tttatatntc 480
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ctccagccct gggaaaatgt cctttgtagg atattttttt tttaaattaa aagtatgnta	240
cttcattttt aaatnttcat caccatgtaa ttttgnaatn nnntcnnnct tngntttatc	300
ctttctggtg caaagcagtt ttcnatccna tgaganatat gtttnccttc atgnattagg	360
atcagatcnn tcntgttttag ggagtcattt ttactttaca ttttcctatt ccagtttcaa	420
agcacttatt accnactctc tcattttcca gacaancaa ttagagctct gagagattat	480
aggcttgccc atgattacat agctccttag tctgatagct gcagacctgg aattaaaact	540
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<211> 432

<212> DNA

<213> Mus musculus

<400> 3152

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gccaagccc atccatccca gtaaataatat tttccgtggt ttaatttacc ctttaataaga	180
ctcagggtat attacagggt tgtttctgtg tgtaaacatt tcctgccggc tttctctcgg	240
cattgccagc ataggccacg cacactgctg cagggacatc attgccacgc atgcgctgca	300
gggacagcac cactgccctc cctgctgagc tcacgtctca gcatctatca cgtgctccgt	360
tttggtttct ctggaggtag aaattccgtg acagcttggt ccaaggggga tgcattgctgc	420
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 <223> n is a, c, g, or t

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 aggaatctca ctgcctgtcc tgggcctcag ttctcagaag cagccctcat gtcccatgcc 180
 actttggagg tatggagttc aagggcttat cccacagcaa cagcccctcc cactgcattg 240
 ctcttggcac tagggacccc actggccgcc tgcccaccct gcttgctacc cgctgtcct 300
 tgctctgcca ttccatctga cttcatctcg ttgggttttt ctttctcttg tcanggctcc 360
 ttcgttcatt tgtntgttct ttctctcctt ctctccctct ctccccttgc cccccccccc 420
 tttttttctt ttctctcttt ttgtcttctg ttctgtgtac ccaggcaccc cattgagtaa 480
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<210> 3154
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 <223> n is a, c, g, or t

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 ataagcaaac attcaggggg tagggagcac cacattaaaa cttccacgcc aaaggcttaa 180
 gtttccatct taagtttcta agcatgctat ccagtgctct atgtgaagtc ccagtgctct 240
 cccatgattc tcctgctaatt catgatgggg acccagcact cagcaaggtc ccaccctctc 300

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tccataatca tacacaagta tgcgcaaacc cagctgagca attatgaata attaaatcaa   360
ttagagacag tctagcagga gggattatgg tcgttcgggt gtgggcctct gtaatatttt   420
aacagtaa at gcatgggccc cagagaggcc tggcagggag acaggaacaa aagcatgtcc   480
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 <223> n is a, c, g, or t

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 ttcagaaatt tattagaaaa ctagaagaag gcaattggga gcacttgctg ttcttgga 180
 agacctgggt tcagtttcct gtactcccaa cccttcagg caatccatgc tgacttctgg 240
 tctctgcaac catcagatgc acatgccata ctcacacnta accagnnttn nnacactcnt 300
 acacatttna agtnnnaatt agtcnatctt ttacaattc attagcacag tgattntaca 360
 tnatagtggg tttcactctg atgttttcat atatgtgnac atgagatatt ttgattgcat 420
 aancccttca atcagctctc acacctgctg accacatcct ctncctcttt cctcttccca 480
 gtgactcccc ctctactctc atgggttggtt tta 513

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 tggggttgga agcccacttt tctgaaatgg gaagcaatat acccctaact gggccatntc 180
 tccctggctt tggctctccc tctagatttc ttatccacca aagctctgaa caggcaacag 240
 agagggaacc ctgcagcagg aaaccncaac ntcaacaata gtaactaacc attgtncnaa 300
 atntctnata tcaaccatt tggttntcat cacancctn caaagtaatn ttgttatntc 360
 cnttttatac aggaggaagt ggagacacag aagggttaag agatttagct atgggcgcta 420
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<210> 3157
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 <223> n is a, c, g, or t

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 tttgctgttt tgtgatcaca tttatcaacc tnaaatataa ataaagacag aacatagtat 180
 ttactaaaac aatgaaatth tcantttatt gaatgacaaa tttttgctag atattttaga 240
 tataagtatt ttggctacat tgattaatth aagtgagtct attaggcatt ctgatattta 300
 acaagtctta aaatatttat agaaaataaa agcaaattgg tataaattht taagcaattc 360
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 <223> n is a, c, g, or t

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 acgcatgtac atgtgcatac atatacactc tccacaaatt ctancttcta tnaaatcatg 180
 taatttctnn aantntnttc atcanacagg ctacagtttt tggtnccctgt gtccatatat 240
 atggcatgat agaaatcata gtatattggt ttcaagttta caatntctgc ttttcggagg 300
 aataactttt aaaataactg ttctattttt ttagcagcag ttttgacttt cactattttc 360
 tgtatcttat tttcaagaaa atgttgactg gcaactttta ataaactt 408

<210> 3159
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 <213> Mus musculus

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<222> (56)..(56)

<223> n is a, c, g, or t

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<222> (60)..(60)

<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> (77)..(77)

<223> n is a, c, g, or t

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<222> (87)..(87)

<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> (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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 atctantcaa tctgcgnaag gactttngtt ttttcccacc ttttgaccat tgtgaaggag 120
 aatatataaa cattgcacat tgctgtacaa gtaacttttg tttcccctct ttacggcttt 180
 gggatatctgc ccagaagcga aactgcctag gtacaggtac acccgatggt tcattttttg 240
 aggaccccat cccccaaaca cacacacat cacctggcac agacacgcct ttttacattg 300
 ccaccaggat gtgaagggtc caacttcctg caggccttgc nagtattgat tgctntcctt 360
 acaaataaag aataaaaann ttgaggctga atcttaacaa caggatgggg actggtgcga 420
 ccataagaac ttancaactg ttcatttgtg cagtctgatc acta 464

<210> 3161
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 <213> Mus musculus

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 <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> (147)..(147)
 <223> n is a, c, g, or t

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 tnttccaagt nagaagacag caggagataa tatccacat tctctggctg ccttggaata 120
 taatgctgcc tttgtggccc ccatntntgc tctgcctcct gacaccaggc cgacttctga 180
 cacacaagcc ttctgtcaat gccagggaga 210

<210> 3162
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 <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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<220>
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 <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> (466)..(466)
 <223> n is a, c, g, or t

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 aagtatgtag taataaccaga cctctaccaa ttttttctat ccaaacttaa ttttagagtc 120
 tctatctttg ttgggggctg ggggggtggtatacatcttagcac ttgagaggca 180
 gagggatccc cgagtttagag atcagccttg tttatttcaa caaaactttc taattttctta 240

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tctgggctgc tggctcttgat tttaagctgc ttaacagtaa tatttttctt gagatagggt      300
cttactatgt ggcctgggaa cttatgatcc tccngcctca gcctccctag tacnagttag      360
tgtgcatcct aggccctnat natcaantct gccttnatth agttatctcc cttatatattt      420
aagtcaacat ggtcattact ttcccattht tcatcttana taactntctt aagtagtaat      480
gcacagtagt ttcagacctt ag                                              502

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<210> 3163
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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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<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

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<220>
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<222> (246)..(246)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 3163
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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
agatcngggt gtgacttttg tgttgtttac ttntagttc ctctttctca tgtcttcttc     300
cttntacctc ctctccctc cctctctgat gctgagaact aaaactaggg tcctgctcgt     360
tggtatcagg aaccagcttg ccagattgcc tctgaacca gtgatgtcac ccatagggaa     420

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cagagacatg cacatctgtt accatggcaa tcacattccc ag

462

<210> 3164
 <211> 409
 <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> (375)..(375)
 <223> n is a, c, g, or t

<400> 3164
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 ccagagtccc tgttccgata tcatcacaga tagcctgttg tttccacag aggagccaga 120
 tgtaagtcag acacctccag cctaccagtc tcctgccatc agctttggct ctaatgggct 180
 cttggtggcc tccttggtgt gtcactggta caggacagca agtggctcag aaaggctgct 240
 tgctcctgag ctccagccact tattcacatg gttcagagca gatctttgta ctcttcagac 300
 tcaagtatgg tgatctnttt gacagtagag gtctggccta cccctcacc tcattctcca 360
 gcacctntaa caagnaccac actcatgcct ctggtgtcag ttttcttgt 409

<210> 3165
 <211> 534
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (50)..(50)
 <223> n is a, c, g, or t

<400> 3165
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 gatgacttct ggtggcgact gccaggacca ctctagacct gagtcgagtt cctcaccgtt 120
 ttatcccgat tgttctgctg ggcctgtccc gccaaagccct cggccttctc acaggcagag 180

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agcaccaaag gacacctttt tgcggttcga cgacccggtg tgacggtgga tgtgagaatc 240
caggaagaag atccggttgc attgctggga tgccgcgcct gtccggccac cacctccgca 300
tggaggctgc gggttcctgg ggaccccacc tagttcgggtg cttctctctc cttttactct 360
cttggcgcag cagggacgcc cagctggaaa tcaaagccgg gcgggaggga ttctgaagac 420
gctaggggac atcagggacc agaattgaggc taggcctgga ttcacgccc gggacgcggg 480
agccacgggg agctgggcgc aggcactgct ctaatcgccg accgctatta aaaa 534

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<210> 3166
<211> 542
<212> DNA
<213> Mus musculus

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<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (383)..(383)
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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tggagggggcc acgcagtaaa tatttcagac tttgtaactc tgctcagttc tgcatttgta 120
actggagaac aactttgggc agctcccaa tgagtggatg tgactgtgga tcaatcaaac 180
agaactcttg ggggcaggat ggctcagaag ttaagatcat ttgatgtgaa attacgagca 240
gcagatccca gcaccgtctg tgggacaagt ggaccatgcc agcagacaga agaactagta 300
aggttgagca ggtttaaaac cccaggaat cttaacattg agaatagcag gcttggaaac 360

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agcttcctgc caagctnttc ctntnctgga acaggtaagc atgacacccc attgagagga 420
 cctcaatcac atagggacaa cacctgaant ccttccccac acaaataagag catgcctaac 480
 atcccagact gagctagcac naagcatcta actctggacc cctccttatg cctggaatgt 540
 at 542

<210> 3167
 <211> 461
 <212> DNA
 <213> Mus musculus

<400> 3167
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 aggactgcat aaagaaggaa gagacatgtc ttggtatgtg acactctcta ggtcagactc 120
 tcctaactcc aaaccataga cccaacctt gtgagggggac cctgggttcct acccaggtca 180
 agttccaata gctggatgta ttcaaggagt acagttgcac atgccgtggg ctctgtgcaa 240
 accagcagca tgaggccact ttcaacagtc atttcttttg ctctctccta gattggaggt 300
 ttgggaaagt tggggtctaa ctagggcaaa atacaatttc ctgtttgcat tggggaatta 360
 tggctctttt ccaactttcc ttttcctgt ggctttccct atgatccatt tgtgacagtt 420
 aacatcttag ggaggcaaaa tacttcaagc acttctctcc t 461

<210> 3168
 <211> 100
 <212> DNA
 <213> Mus musculus

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 <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

<400> 3168
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 tcttaatgat actccaccct tcctgggtcaa aagaagccat 100

<210> 3169
 <211> 353

<212> DNA
 <213> Mus musculus

<220>
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 <222> (136)..(136)
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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
 tgactgaatg ccanccatgc ctaaagctta acnatagaag ctggggactt atgccatggt 300
 tcacagtatt ctgaggcatg acaggtacac ccctctatct gtacagttgc ttg 353

<210> 3170
 <211> 517
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
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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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<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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<222> (361)..(361)

<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

<220>

<221> misc_feature

<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

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<222> (398)..(398)

<223> n is a, c, g, or t

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<222> (437)..(437)

<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>

<221> misc_feature

<222> (452)..(452)

<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> (472)..(472)
 <223> n is a, c, g, or t

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 gaaatctaac tctttgtcca aggctagggg ggcaatatag aacttaggtc acccagccca 120
 agtatctcaa ccagttcctc ccatcactca gttcaagtac ctcatccagc tcctcccatc 180
 acttagcaca agtactgcat ccagctcttc ccatcaccca gcccaagtac ctcatccagc 240
 tccttncatc accctgcccc antactgccc ccagctcttc ccatcaccca gcccaagtac 300
 tgcattcagg atcacccaga tccaggggtg ctgatncagc accagagttc tcattctcag 360
 natggctcng gctgattnaa tgttctattn ccacctntc ttaaagttct ttactctcag 420
 gggttgagag aaagctnggc tgncaaaca tncagtggtg tgcttntcat cntctcagca 480
 gtagggaggc agagacagga ggctcccggg tctcact 517

<210> 3171
 <211> 510
 <212> DNA
 <213> Mus musculus

<220>
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 <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

<220>
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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> (365)..(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>
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 <222> (381)..(381)
 <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> (386)..(387)
 <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> (422)..(422)
 <223> n is a, c, g, or t

<220>
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 <222> (464)..(465)
 <223> n is a, c, g, or t

<220>
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 <222> (470)..(470)
 <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> (485)..(485)
 <223> n is a, c, g, or t

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 tgaaaaataa gccacctat tggccatcgg agttactgaa agatgctaaa cattgatggt 120
 aaacttaaaa aaaaaataca atttgtttct ccattttctca tgtcagcaag gagatttgga 180
 actgagcctg cagacagggc tccccactac ctcgttgtcc ttagatagga gcaagacacc 240

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ttaaaagtgg gatttctctc catcctttcc ctttccccgc gtaaagaacc tcttgatggt 300
tgtgattgat tgcattngccc aaatnctgan atatnaacga ccttcttgga ctgaggaccc 360
aaagnnanga aactgaaacc nantcnntca tcacaattna agactcccct ggctttaatt 420
ancctgacct ggggtatatc tcccggttgc ttgagttaaa gagnaagan cccattatan 480
tccantctga gaccgatagc tacttaattg 510

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<210> 3172
<211> 229
<212> DNA
<213> Mus musculus

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<400> 3172
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caaggctttg ctgaatgtct catccgcctg ggggatggca tgggtcgagg aggcgagcta 120
cagactgtct gcagatcctg gaatgacttc cacgcctgtg cctctcgggt cctgtcaggc 180
tgcccagagg aggcggctgc agtgtgggag tcaactgcagc aagaagctc 229

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<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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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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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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<220>
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 <222> (327)..(327)
 <223> n is a, c, g, or t

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 acagtgagca aaaataggcc atgctcttgc ctcttcacgc tggtagaaaa ggagaattag 120
 cgtttttgtt tgtttggttg gttggttttt ttgcctttgg cggttctggg gatggactgc 180
 cttctacttg ctatgcaaag gctctaccac tgagccatac cctggctaga agtaagaatt 240
 gtgtgtggat gcctgtgtgt gtgtgtgtgt gtgtgccga gcactcatnt gntggctgnc 300
 cagagtttna tatntggtat tcacctnatt tattcataca tgttcttaca ctga 354

<210> 3174
 <211> 230
 <212> DNA
 <213> Mus musculus

<400> 3174
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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

<220>
 <221> misc_feature
 <222> (116)..(116)
 <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> (324)..(324)
 <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>
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 <222> (373)..(373)
 <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> (392)..(392)
 <223> n is a, c, g, or t

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 tattaccatt gtttaggaaa aaaacctgag cagaaatatt tatttttttt tttttntgaa 120
 gagcattgct aggttntgat gtctagggat gcnaatttaa gtgataaaac tattaaaaaa 180
 aaaactacaa ggaagtgatg cttctatcct tgggggtcttg gaggtgtag ttttaattta 240
 atttatgagc tcatacatatt gtgtgtttgt tacctgggtt ttatatattta cataaaaaata 300
 tttttaagaa gcctgaatgt aatncagnat agaagggtgct taggttaagt taataatttt 360
 caagataatc tgnnttcctn 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
 gtgggttcct ttctccaacg ccagtgggtg tacttcagac ttgatggaat cattttggtt 240

gttacacgct gcctcacctg ataatgatga atcctccaaa accgaaagtg

290

<210> 3177
<211> 520
<212> DNA
<213> Mus musculus

<220>
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<222> (67)..(67)
<223> n is a, c, g, or t

<220>
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<222> (69)..(70)
<223> n is a, c, g, or t

<220>
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<222> (77)..(77)
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<222> (98)..(98)
<223> n is a, c, g, or t

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<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

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cantttgcct ttactcttc agagaatctt ctggaattac tcagaccaca gtcattctcaa      180
caccacatcc aaatacaggg aaggttccat atagcatatt gtattaactg aagtgcacac      240
acaaatctac acacaagaca tatgatctct gctcgtttaa caagacattc acaggcactg      300
aactaagcag aataaataag caaccataaa ncaaagggtct aaaacaatct tgtttctaata      360
gctcatttca agattcagtt aancagaaat gggaaatact ntcttgggtt taaaatgtgt      420
tgatacaatc aatttcaatt ttaaataagc ccgtgaactt tcgtgtatga agcccnaaat      480
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gggtgctcaat tcacagtgat tcacttacac aggccacatg tcttgagctt cttgggtgcta 240
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tcaagtatct ttattttaag ttctgtcact aaagataatg tgatggggaa aaaatgtatt 360
tctccctacc attgccctcc aaaataatgg tgtgacatcc atggctaacg cattgtctcc 420
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 gtgtgaggag tcttacaac ttatttgctc atacatactt cttntgatat gtaattccta 180
 gatattctta gccttcatag ttagcattca gaaactatga gaaagcattt gaaattctga 240
 gaaccaacac actgcctata gttggagttt attttgaaat gttgatctaa acaatgctgc 300
 acctgtttta gttatttnat atttnnaaaa atacttttct tattattaaa tcactttggt 360
 tctagaaaaa tcagaagtta taagtaagca aggaaaagat actatnaggt aatttgatcc 420
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 atccttTcact cattgattag tccttTgtctg 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
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 gaagacattg gtagacaaga gtgcttactc tccagnaggt gcgacgaact ggtctcatgc 180
 ctattaaact caacactggt gcagtgaggg aagccgtgga aagtgtactt ctctagggcac 240
 cccagtattg cctcttcaag accctgcagt gtggccagnt ctgtggggcga catggacaga 300
 aatnttaaag aaattgactn ttcttgctct annngagggc ctccacatca tgagcctcct 360

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 cgtggctaga acgcaggaca cacacaagtg ttatcagctt gtcctgggtg gccatggggtt 180
 gcaactcttg tgactccaag tttcagcctg tccccagcaa ccgctctcct tntaaggata 240
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agtgcaccaa aagaaaaaat cagaccaaag ctgacaggag tctgctggga aataccaaat 240
cctgaaatgt ggcattccaa acctggagct cttggcccag catctgggcc tcaacagtct 300
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cagtgagtga aggcatttgc tgccaagtcg gaggaggtga attagatccc caaggcttac 480
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aacatgaatt ctgaagacat ttatagctcc cttagaggcg tctactgaggc 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 tcccngnact ataaccata naactantna gatagcntca 420

gtcctttcaa ncaantctnc cctcaaggaa nccatgtttg atgatgaccc cgaccaattt 480

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 ttaagtctgt aactttataa gaagattcaa acccagctng atanccctgt caaaaagcat 180
 agccagcagt atgtggatta caggagagtt tagtggactt tttggttgaa tatttatggt 240
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 tagctctttc tcttcttttg ccctaaatca ataactttta tgcctactcc aaataagcta 180
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tggccatgct gcttaaacag tgaaatcggc tcacactcac acacgtgtcc aaagcactga 180

ctcactgcta agtgtcangc acatttgggt ggtgcaggcc tcttagcagg aggattcaag 240

tgctttttaga gtacgtgcag atggggaggc ggggtggctca ncaagccnt gancacagtt 300

aactnaaaag tgttatttaa actgtaaaat ttgcattttg ttctgtttta tttttanttg 360

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 atgaagcgcn ctaaggttcc ttaggactgg ctggttcttg atctataacc atgtgaggcc 180
 tcgatccttc cctcagttag actttcccca cgcaccagag cccatagaaa ggatagcaag 240
 gacgggctgc agagacgata ctgntccaag tgtaggncat ngtttnggaa gtacagaggc 300
 agttttnttg tgcattgttg gtcaccgaga gagaaccaan gctgaggtga aaacancagc 360
 aacantggg atctccaggc ttccacanc ctcnaaaacc cttggagttt cctggtncca 420
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 cgcatgcttg catcatgcac agaatccaca tacagacaca gnaactatgg acttgaaaat 180
 taagatgatt cacctgtttg cccgtgtatt gacttgggta cagagtattt gtagaaatga 240
 aacaacgcaa gttaaactgcc caaatagagg cgtttaccca atctcccatt ataacctggg 300
 gccagcagca tttcccaagc tttgtccctc ccaggttacg ttcccaggaa tgcaatcaca 360
 ctgtacagaa atcatgttcc catgtgctct accccancct gctaattctt gaggggaacna 420
 taaaaactcc taaaacctag gctttagaaa ttatgttcnt ggggtgtgttt taacatctca 480
 caacatnccg ttccttttagc tatcagtttg gg 512

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 <212> DNA
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 ggatcttcag acacagttgt tctttaatgg cctgtggctc tggctaacgc tcagagctta 180
 cagttttctt tatgactata ggaaaacaaa acccagagaa ttctatttaa cnattgagtg 240
 ggcctgtgtt acacagacna agccagttgt ctcaagggtg tcaactgtgtg ccaatcanat 300
 cttcccannc cagnacnngc ggttctcagt aagcacgcat ccacatcccg accctcgttc 360
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 gaattgaaga attacttgtc tgaagcgacc atcgggtctgc atactatgtg gaatgagcat 180
 tttgggattg gagttgtcga gtgtatggca gctggcacag ttatccttgc acacaactca 240
 ggaggcccgga 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 aaccaagggt gcctcaaact caaaattttg tcaactgcttc cttagtgatg 120
 gaattacaga tgtgtttccc cacctgacac ctctctcttt ttatttttgc ttttcttgag 180
 acagggtttc atggatccca ggctgactgc aaacatggta tatagcctag attacttcgn 240
 anttctnacc cttcnncccta tcctnngttn tnatgganta ctagggatca aaccnagann 300
 ntnnnacatg ttagncaaac tctacnatt tagcnacatc ccnacccttt ttcttttttt 360
 tanagaattg accacagtca tagacatatg atgncttttag tcaccttgat canttaaagt 420
 tccctccata tcatgtctaa gaccatcaag gaaggcagat aatgcancct catcagatca 480
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<210> 3197
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ggagctataa ggagttgccc acttgacatc ttgatccag agantttctt 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 ttgtatTTTt ctaatgtctt cctaattgtt tagtatgtat 420
tatttataat tatgtgcaca tatgcttctt cttgtata 458

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<213> Mus musculus

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<223> n is a, c, g, or t

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 aactgagata gcttaggggtt tttattgggg tgatggtggt gcagggcggt gcanattttg 120
 ctgctgggag tttgttttcc atctgttctg cttctagaag tttatctttt tgtaaaatgg 180
 tgttgcaatt ttgtctttat cacattaacc caataagaca gcttgcattt cctgtttatac 240

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ccagaatttt gttagtcaga ttntantagga atggtatgat ctgtgcatca tacatcaaac   300
ccttatttgt ttatttattt attcnngtgt cccttgtgct catgtntgnt attggtggnt   360
cagattcagg gcttcagtca cntagncaa ntntgacca tncncttnt ccancctaag   420
nttttatatc tttnataaga attgcagaca gctcctaaaa tatttcatgt nacatatgtg   480
cttgatttca tattattgaa aaatgacctt tattttaaaa ggattactta ttgtaccaca   540
caa                                                                    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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aggaagttta natttgtgat tgagagtaag aaatgtttct gtggttttga aaaagaaata	120
ccagcatgtc acattaaaat tatggcatct acagtcttgt acagttaaca gaaaaacgta	180
ttacatcagg gaataggatg tgcttcagag acctcatgta gggccatgag agaaaagcaa	240
gtgccatnac cggcttgccg attaatnadc cagtcagcgg aagaattttc ctgtntccca	300
tgtaacataa accagatgtt ccattctatt aaaactcctt actaatgcgg atatttagat	360
cactggtcac taggaaaaaa atgagtaata gcaatntagt actttnncca gtttgccttg	420
ttgtgagata atgttggcan tcaggagact agaaggtttc ctnccaaata cgactaaatc	480
tcatcactct gtttttatct gt	502

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<211> 244

<212> DNA

<213> Mus musculus

<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

<211> 417

<212> DNA

<213> Mus musculus

<400> 3201

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tagaacaggc acagcgtctt tcttgggtcca tcctagaaac gtgttaagag gcacgtgact	120
caagttccct tcaagataat gaccaaggat tatgtattgg ttcattgtat ttactgctct	180
tgtagattaa acaatgaaac aacatcttaa ggcacgctca tctccaacat cccatctaga	240

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aagttcttcc atggattcaa ggtcaataac atggatacat tcaggaccca acctcttcag    300
ctttgatttc tgaaggccag ggtcattcca acccatagcc gtaggggtcta ttcaggagta    360
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<210> 3202
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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tcctagaaag aatccaacta gcaggacccc aaggacagag agcatagaaa ccattgacaa 180
aagccaaaag ccaccaagg ccattctctg cccaatgcat cttagggtga cctgtatgta 240
gagtacccaa agtcactccc cttttccttg tgagtagaga ccaanagcng ggtagtting 300
gatgtacatg gacagatcac tgttaggaaa acagagcaaa ggnagctag gtcttntcct 360
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aaaggct 427

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<220>
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aaattaactg gaaatcaaga gccaaagatag attacttttc agcctcagaa tatcgtgaat 180
tataggtttt tctaggaaac tncctcgagg tagncaaaaa cagtctcgat tcagaagcat 240
cgccaggagc cgagagtgtc cccacttata tgccaggacc cgagagtgtc cccacttata 300
tnccagcagc cgagagtgtc cccacttagc agagttggct gttgcagcta cttgtcaaaa 360
gtatcgcagt tgactatgca tagtgctaca aggctatctt cattagactg aactgattgg 420
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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 caccaaactt 360
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 actg 424

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 <223> n is a, c, g, or t

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 aagtctgatg gaaagacacc taaaatgggt tctagtttcg gggctttccc caccaatatc 180
 atttcctgga ccatgggtatt cagttaaata 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
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 gtggcagtc tncnggcngg ttcacatgc caagaaagaa gctgcccaga aggtggacnn 240
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 aggtncaaat tcaataggtc attttgtatc agaaggtcaa ttatgaagca ccnataattt 420
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ttcacttgga tgttgataat ctgagncaat cctgacaagg tangactttc catgctatca 180

aggagaactc ttaatatggg cttaggtaga taataataaa ataatagggt tttctccaga 240

gaatatgcta ttatagagca gagattcaga tctttggaaa aagcttttcc atattttacc 300

tggaatagt ttattttctaa aaagcttcaa tgacaaacaa gtggcatgta tgtttccatc 360

cagtataaag gcagttctct ttgcatgtgt ttatacagct gtaaaaatta cacttgagaa 420

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 cgagaacata acttatgtta agttcagccc aggggaagtgt gtctgccaag aaaacgactg 180
 acccgtttcc atcagaaaag agggaaagag agagaagatg ggactggtgt catcaaagct 240
 agtgccacca atcctatgcc tctctcagtg ccccgcaag gatcagacta ncctcancct 300
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 catctgcctg ccaagaacaa gtccatggta tccccataca tgcacacaca acgcacccac 180
 atactcacac atgtacacat gcgcacacac acaaactaat aacgctcaat atagtttctg 240
 tgccatttgt ttttttttat tgcaataatg ataacttggt ggtcctttgc ctgccatttt 300
 ctctccttag atttcttttc aatttcttga atttaagtgt gaaaaangag cctaaaattc 360
 ttcaagataa aatatttttg tttggtgaat atattattaa ccctaaatga ttatatgtac 420
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 acacagagac agctgctcac gggatttaaa cagaggagat tgggtgcacat gtgttggggtt 180
 ttggaatttt ttttgtgggg gttttggtgt tttaaaatgt ggtgtttagg atgaaactcc 240
 cgatgcatgc tggcaagtac ttgaccctg ancnnatncc atnncccngg agttacactc 300
 tttgctcttt cctcggcctt cagttccttg aggtgcagtg gnccccaggt tggatnccn 360
 accatnntca ttagattgga agtctncctc tctcctntta tgatctgctc ttgacactgc 420
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 tatttgtaac ctgttaaaac taactccaac ttacattct ggaaatctta gcatgagtaa 180
 ttccaccaag caacatctgc cacaatctga agtgaattct agcttactta attctacttt 240
 aaaaaccaac ataagcagag atctgattaa aatatgctaa ctgtatatag tgaanaaatg 300
 atgtagctac ttttaaagga taaattcaat ttttacacat aananatcta tggnatataa 360
 tttttaaatt naactagnat atacaggtaa gccacatca ttttntana tgacctatgt 420
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caggggtctc tctacatatg ttctcaactg caagctattg tcacctattc tgaatacctc 180

aaaaggccga gaggagggaa aaaactcaac tcaacaaagg ccaactgtag caattgtgaa 240

gtcttagtct caatatgaca aaaatcattn accttcatt ttctnngnag nacaaattcc 300

agtatnattg taacagttgn aacantntnt cagattccta tganccaagg ttaggagaaa 360

tataatcaat ttncgtataa tngattactt tggagaaaat atttaaacta gaaccnaagt 420

ggaattttgn aaattgagct gtttgattaa tccgtctctg tgctcaganc ctcgctcttt 480

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caggcttcca nctgtgagga ggacngggga ggggtagggc agaaagttcc aggtctggaa 180

ataaatgtaa ggatggtagt ggcca 205

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cgtntcccat aaccacatta aacctccagc tttcttgagt gtcctccatt ggcagctgca 180

ntccttagtt ggtggcacac tagtcaccag caccttgccc attaaagtct atgctcaaca 240

agggtcgga 249

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 taccctgcct gccaggaacc tcacttgagc cattaactga tgctgtttgc ttgctttccc 180
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 ccagtgttc gtgactcct tcagtactcc cttaggctcc tcccagagtc actgtccctg 180
 aacaaa 186

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ccatccntac accttgggtgc tatccttttg aaacnntnta cattttcacc tcntctgtga 180
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 <222> (58)..(63)
 <223> n is a, c, g, or t

<220>
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 <222> (74)..(74)
 <223> n is a, c, g, or t

<220>
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 <222> (190)..(190)
 <223> n is a, c, g, or t

<220>
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 <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 aatttgtgtg 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 ctgattgacg gacgacattt 180
 agtacgttgc atctatcatg gttattgatg tgtatagaga acctcagaga ttcaccacac 240
 agtagacatt tgtaagaata tttgtggtgc ctcccgttcc ttcgtagatg tgtcattttt 300

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gtggaagaaa aaaaaangca atcaatgtac cattaagtac actatagcag acttaciaaag   360
gggctttgtt cctgctgtct ttgaatgaca ggcctgaaaa ggtgctatatt aaattgttta   420
tgtcctcaag ccctctaaac aagtcacctg                                     450

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<210> 3222
<211> 507
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

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<220>
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<222> (252)..(252)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (265)..(268)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (428)..(428)
<223> n is a, c, g, or t

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<220>
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<222> (437)..(437)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (440)..(440)

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<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 ttaaagtgtg ttgggaatgg tagtgcagca	120
attaagagct cttgttgctt ttctagagnc cttagtttaa ttaccagcac ttatgttaga	180
taacttactg tatttctaac ttcattggatc agtgccccct 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 atatcancn agctacnagg gttaaagtca 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

aaggtctctc ttggtgctag gtgcatatat ctaagataat ccttggagtg tttgtgagct	60
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
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 cactggaggg caaaatagct ttgttaccaa catagtcaac ccccgacaac ctaccacaga 120
 aaagaagtct catgtctgtg cacaagagac aaaccaaggc ggtttcctgt aaaattctaa 180
 agtcccccca tagccactct ctttcactctg atcaccaaga gtggcaagga aacacactgg 240
 ttcaccctgt ttagactcac gtggggcaat ggtcaccaac tgtatgggca aatagaaaat 300
 ggggtgcagaa cagaaggaaa gccaacctac tgggaactgt gtgaggatct ggcattgggat 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 ggggttccaaa ctgtaggat 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
 tggcctcttt gctgctgtag tgaaggaggc tgggtcacgt gggcagtga tagcagggaa 60

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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 gtcattctta cacagctact ttggaaggcg tgcagggctc 300
aaaacatggt ggctcctggc agagctccgg ggctgtgcca gggagcaggg ctgccccatct 360
tgtagggact ggagcagttc ttgtagagag cggcagatgg tgaggaagga ggctcttccc 420
gggtacatca gctcaccaga cagagggacc ccagtcacgc tccctctcgt tttctttgct 480
tgccctaact t 491

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<210> 3227
<211> 404
<212> DNA
<213> Mus musculus

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<400> 3227
cctgggttta catcccttca tgaactgcac acagcctggg gagaactaga gaagtcaccc 60
ttgggaaaga acattgatcg aggtctagaa cagtggctag gagtattttc tgtagagctg 120
agggaaggcc atgcactgtg gtgaggatgt gcaaagcaaa aggatgcaaa agagagacaa 180
gttaataagg caaggagtcc atgtgacagg aaccgaactg ccgccttctg ccttttgtgg 240
atcagcaagt tgctgcctgg ttgtgttggt tgcaaagacc cacacagggtg atgatgatgg 300
tgatggtggt gatgatgatg atgatgatgt tctagattat tttagacctc tacctcctgc 360
tattctttcc aggcaactga atcaccttct ctttaaactt tgct 404

```

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<210> 3228
<211> 302
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (147)..(147)

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<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

taaggtggct ccaggataaa tggacaacct gagctggcca tgacctccag ctttggatga	60
tgttgcaatc tctgctatct taatgggact gatgtttgag gttttgtttt tatgagacag	120
ggctctagcta tntagcctan actaganttg aactcaacc tncctaact cctgactact	180
gagattacag gcataaacca ccaaaccaag ttacattaa cttttgtttt 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

catgcgtctt cctgtgcaca gaaatattaa gtgaatagaa gtaggtgaga gaaaaataaa	60
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
cctttttt	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 aaaaaaaaaat 120
gtaatttctt ctagtttcct ctctgctttc ccatgctctg atctaataac tggctgccac 180
attctcaatg ccaagacaag acaatgggca gttaaagttgc aaggctcagg acagttgttg 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
gttcttagtt aagggtgact ctctagaatg ttgctatcac ctcttacttg tcattgccac 60
tgccaagggt 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 gagtgtatit 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 actcgggtccc ctctggcttt gggaccgccc tctacttgct 180
 ttcttcaaaa tctctggccc tttctcctgt tctgtcagcc tcaactacta aacttgggtgt 240
 ctgcttgact gaatccttag tcttctcaag cttggctgtc tcccactcag tgcccccaaa 300
 caacctctta ttccataccc atgcacttgc tttctaagca tccttaagcc cttgctgatt 360
 ctagtctgtg ccagggccta gtgttctagc atgttccttc cttttctaaa ggcaactggct 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
 tgccttaatt tgctgtggga ctgtccagga ttccaggac tcacggatcc tagcctgata 60

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aagtcactga agactctgcc tcaaacgggc ctgggttggtt cttccaagtc acctccttag 120
accagcgat gcaaggcttg tccccacaa gtgagctcca gtcctgaga tcttcagggc 180
tcctgcacgg ggagtatagg agtctgtcct cgtcgcctcc gtgatgtagc atgcgagggg 240
ctacagggga ctgcaactgg ccacggggac tgcaaggcca gagctgcgtt cctgggtcca 300
acagctgata agcctgtcac cggtaccaca tccacagtga gacctgtgtt ggcttctcga 360
ncccttcagg nacaccctcc caaagatgtc ccggaggccc tgtgtgtatn atctaaactc 420
tgtcctctga ccacattctt tgcagcctca cacttgggct gataacactt gt 472

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<210> 3234
<211> 408
<212> DNA
<213> Mus musculus

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<220>
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<222> (99)..(99)
<223> n is a, c, g, or t

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<400> 3234
gggagttggt tgttggtctg ccatctggcc tgtcagagaa tgttcttggt cagtttagcc 60
ctgggttgcc actggggttg atagccttct gagctggtn cctctaggtc cagtagacca 120
ggttaccag tgccgagtc ttctgtctct ttttcccatc gtggctctgc tattcatagt 180
atctgtgtca tcagccagtc ctgaggagcc ttcccatctc cagcaccctg gcggtcattt 240
aggttctttg gattaaatga agcagctatc aagagttggt ttttctctgc cacaaggct 300
ttcactaaag atttggtgct gcgtttggta aggcttggtg ttatgttggt tgagtttctg 360
tagaggaaag tactcattaa aatgttagat ttccctcatc atagagca 408

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<210> 3235
<211> 397
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (78)..(78)

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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

<400> 3235

cccatccgga gcagttgtgt cagatgattt atactgagtc ggtttcacaa tgaagcgctg 60

gctggcctgn aactcctnta tcgaccacat gcctctctct ctcttgagtg ttgagatgag 120

aggcgccacc acacctggct acatctgttt tttcaggggt tcagcctttc cctagccagt 180

ctgctaactg tcactttctca gtggtcagag agaggcctcc aacacatacc tggtttggtg 240

cctgtttact gtgggcacgg acagaaccac acccattttc acacgtgtct aaaatgggag 300

aaaataggtt cagacagagg ccccaaaggc cctgctgtaa gcaaatactg tatgcttaca 360

ttctcaggga tggtttcttc cacaagctat ctctatt 397

<210> 3236

<211> 502

<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> (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> (324)..(324)

<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> (457)..(457)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (477)..(477)

<223> n is a, c, g, or t

<400> 3236

cagcggcatg tacagtgact agcaagcagg gtgctcagtt gctcgacatt gaaaagaaag	60
gagcgagtta aaaataaaga gggaatccca gtcntntnct tattttacct tattttggca	120
tccaagaatc atgtcttggg aacacacgct ccatctagct gccttccttt atagatgatg	180
cgagctaggt tttgcagcat aaatatgctg agcagggtctc tctgctagca gagatagaag	240
ctgaacaatg ccccgctgat tatcttttcta agaattctga accctgctga gttcatgggg	300
caacattctt gtgcatggct tgcngcttaa gtgggcttct gaatccagca tccttcagcc	360
agtngatga gagagcagac aaggagtcaa gggaagtgtg tagtgaggat ttgtttacag	420
ccaccaagc tgagcttttg ctgaagatgt ttgccantca gcacaaccct gcccacacca	480
atgctgctcc atggtagaaa tt	502

<210> 3237

<211> 478

<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> (243)..(243)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (361)..(361)

<223> n is a, c, g, or t

<400> 3237

ggctaccagc catgaatgca cctaaatgct gctaagcttg caaccagggt tggcatcctt	60
tggtacttga tgtgacctgg gtgaagccta ccacatcaca tacctccagc agctacagag	120
tatgtttcac caagacaaa tcttcaaag atcttatctc ctaccaatct ttttaattag	180
tcttgtaa at cactaataga cagggataac agaatttntct gggaagatat ggagaactag	240

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tttctgtcct ttagagccca ttacattttc atgtgtcttg gacagttcta atggcctgca    300
cagatcatat aatgaaagtc tgattgtctt tcctctctcc atttcccctt agccacatta    360
naaattgcag agattttttt ttctccctca gaatattagt gttggaaggt tgtaccagc    420
tatactcttt agcatttctg atggtaccca tttattcgga cctcactggt tattttaga    478

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<210> 3238
<211> 352
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

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<400> 3238
atgagcgatg ccagtttgaa accttcagac gacaaaagaa tcgaaattga aagaagaaaa    60
cacatggacc aggttgtggt actgtgcccg aagcgccagg atatcttgct gcgtcttggc    120
cagcctgacc tgggaggccc ggaaatccac cttctgctgc ttctcggcct cctgcttcgt    180
gcggaggagg ctgttctccg aaaacttgaa cacctggtgc agatggttct tcagctcctg    240
gatcacaag ttctccttct ccacctaggc caggacgaat gaggacaggg ccctatttaa    300
tagccacgca gtcctccac ncccagtcac aggacagctg gcctttggtt gt            352

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```

<210> 3239
<211> 551
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

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<400> 3239
gatcatctgg tatgtgacca cctgcctcag gaggcaaggt caccgcaatg aggacaggg    60

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taggggaacc cgcaaacaca aacaaaaacc aatggcctcc agggccacaa ttgccatggg 120
cagctgccta gggagtggaa gccactgggtt ttagaacaca gatcctcagc ctggggaagg 180
aggccccctg ctgcttttagg atttttgtta acttcttgct ctaactctta aaagtcactt 240
ataaaaaatag taccacgtgt tcacctgtaa gagatcaagg tagcgcataa aggcttagag 300
tcaaaggtaa gtcagcaggc tccatctcac atgctcagtc tccagaaacc caccacagca 360
tncatccatg tccagatgcc ctccccccat cctcccctcc aggaccatga gcgtgggtgta 420
gcngttgtaa cacagactgg tgtctggcca tgggtgctcc agncctgact ccccttcctc 480
aaagcatgca ctgcaagtga ggtgctgtgc cttgggttcc cccttgtagg tcctccccag 540
atgttagttg t 551

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<210> 3240
<211> 507
<212> DNA
<213> Mus musculus

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<400> 3240
gttataacct gtagtgacct tgcaatgacc ttactctttg aagttcaata gatctacctc 60
tggtcttctg ccagccctgg acagtgcccc ttccttcatg tataaacagt ttacattct 120
caatctgcct ttggtccctc acattcactg agtacaaga gaacttaact ggctcttcca 180
acaaaagtgc ggtttgcctg tcaattgcct ttgtctttac tccatcacat cacagtaagg 240
ctcgtcttcc agaggaggga agcaaaggaa atatcaaatt gttgggagca gaaatacgaa 300
ccattccttg caatctgttg acactgacat caaaacaaaa gtttcctaag agttatacag 360
cactcagcag tcctgatcta agccagatgt cctctccctg gtctgagacc agtgcgtgcc 420
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attaatacta ccctcatata tagaggccca ggcccatcca ctggagcatg ggtagcctcc    180
tacagcctga ggcagngaga cgccttccta tcagcagttg tnatntgctc ctcagcangn    240
gnnnnncncn nannnncccn tntntaggag tnantttgat ntacacaata aagggtgagg    300
ccggtganna annnnnnnnn nnnnnnncna nnnnnnnnnn nnnnnactat gttgtntngt    360
ggaagaagtt cagtgtcccc aaaaccctcc acatcctcct gtctgtcagt nttntttttc    420
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gcggcggcag cggcaacacc acgactgcag agcgaagccg gcaccagaga agctttctctg    180
tgcccaagaa gttcgggtgtc gttgaccgat cctcagaccc gcctcggagc gccaccctgg    240
acagaattca agcttgtacc caacaaggcc tttcctcaaa aaccagaagc aattcctccc    300
tgaaggagag cctcacggac ccgtcccacg taagccaccc caccaacctg ctggccacca    360
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 gaaatgnntt ccattattca tcacnntgac aaccggacat ttgacaccct tntgaatcgt 180
 gatcanttgc agntgactaa gagtgactgg cttctctgaa ggtgtatccc caccaggagn 240
 aggganccat nctggcctnc agagntcctt cttagaaga attattttgt acaaaatcat 300
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 acattttaag cagagctgaa cactaactcg gacatgaagc tgaaggagtg agcaagccac 240
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 gcaccggctt cttttttcag cacatgtaca tatctataaa tatatataca tatatatattg 420
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 tcttttctag tttctagaag ccatttgcatt tacttgtatc atgggtctcta ctttcttctt 180
 tagaagttat cagttcagca tcttccaatt tgaccctcta caatttttca ccattccttt 240
 ctgattacat tttcttggaa aacttaattc tatcccctta tttntcagaa atttnagcat 300
 attacaaatt ttnttngtca atttatggta nacattnnn atttctnagn attaggggtt 360
 cctgggggtt ntntcctnc ctaccacaca nntaatctta atgacanaat tgcttntaat 420
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 ttgggaacca gtgcccttg ggccatttct ctccttgaaa cctttctttt aattcctttc 180
 tgggtccnnn nnnntnnnt nanntgaant ngacacattc atcaaacatg attgaatatt 240
 ggcagtttca tctggtatga cctaatagtt atgtggttac aatttntctt caacttgttc 300
 ccacattgtt aacatggaaa taataatggt gttttcctca caattttgat ggctatta 358

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 cctgttctct agggnaaatg tggncctcga tgnaagnctt ggctaactcg gtctgtgctc 180
 tcaggcccag acctacaaat ctgcaacctc ttcagaattc ccaagagtga gcttccttcc 240
 cagcaacccc tcattctctgc ccccttcctt ggccggcctc agcacctccc ctttcttcag 300
 caagttaacc gaactctccc ttcattggaca gttcactgga aatttagtct gaaacgacag 360
 tgtatcgtat ttcattgaatt taatagggtt ttcattgattt taaaagtgc ctccaccaga 420
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 taatgattta actatgaaat ctgggagtag gtgggcacat gaaacagatg tagtttcagt 180
 cattctcatg acgaacttta aaataagagt tgtgtttgag cgtgctctgt cctgtttaaa 240
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 ntnttctgca cgttagcact cattcagagg atgcatagct tccagagtaa ttgaagctct 360
 tgttcatgaa tatgaggacc tcaattcttt cagctttgca ggagncagag ttaactgcac 420
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gcaaacgtgc ggaggcagga gtgtaattca ttccagagag ttctcngttt ccanntgtgt 180

ggnccctga gacaaaaatc 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

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 cttaagtgt angacaacat atacgcaccc ttggaatcta tatgatttca ttgtgacatt 180
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tcataacaaa gacatagaga agcttacttt tattggcttt gaaatatatg tacctttttt	120
tttggtagtg gtgggttttt tggtttggtt tggttttggt ttgtnttggt ttgtttngtt	180
nttantgctn ttgtttntng ttnttgaga aagtctttct gcataatccn ggctatcctg	240
aaacntacct tatagatcag gatggnttng aaccacaga aatttgctg cctcnnctc	300
ctgaatgctg gattaaaggt gtacatcaca acatccatct acagtcatgc tttnatTTaa	360
ctntaatttta ttgactcta atctttgcat ttcaaagnca attagaaatt ttctttttgt	420
tttaatncct ttgtgattgt ntactacctc agagaaactg aggcttggtg aagaagaaat	480
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<211> 566

<212> DNA

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<223> n is a, c, g, or t

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 actcagggcc tcttatgcct ttggtaaagg ctctaccagg gagccatcca gtagcctgaa 180
 ttgaaagca agaactcttc atgaccncct tctagagata agcagagtgg ccccttttct 240
 ttctaattac agctaggatg agatagatgg tctnaagtga ncctcacagt ggatgggcag 300
 acattcctat tgctgctaca atgtatggag ttcagactgc agcaaacacc cgcaatgagg 360
 gatgtctcag caacgccnc aatgaaaata agaacaggga ccaagtagag tccacctgtt 420
 gaggctggcc atcaciaaagg agatagggtg gaggancctt gctgtcacat atcctcatag 480
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 cctgcccttt gttatctgtc caacaa 566

<210> 3256
 <211> 336
 <212> DNA
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 ctgtagagct gcagtgccag ctgcttacga gattttcagg atgctattcc tctaccaggt 180
 tttggtaga aaattaaaaa cccatcctga cattttccct ttcacaaatg catatccaag 240
 tcccaaagct agatacttcg aatgcagaaa ccagttgact tttctagggg ggagggtaga 300
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<210> 3257
 <211> 425
 <212> DNA
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 atctctgaga ttgctcccag ttggggctct aatacaatgt ttgatgtaca gtggtgtccg 180
 ttggttttat gagacactat ataataaaaa gtattgctat ttttaaaacg aatcaaataa 240
 attaacatct taaaaagaat ttctttacct gtgtgtacaa ggcccaagtg gaggtcagaa 300
 gaaacttggg gttactttct cccagtagg tgantcctag agatccaact ccagtcagtc 360
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 tgtgt 425

<210> 3258
 <211> 466
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (219)..(219)
 <223> n is a, c, g, or t

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 cccagagcca ctctagggag ccacggagtt ccaactcagtg gtttgtcctt actctggcaa 120
 aagaagttgg gattttctgt ctaatcatag tgagcatgcc ggtccttata cggttttcgcg 180

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tttgtgtttc agtatcactg agattagtga tgtctcaang agacattctt ctggtcaatg      240
ggaaaaaatg tattaaaagg ataatttagt aagttaacag gatattatga aactaaaaat      300
cagccttcat aagtacgagt gtgaatgaaa agaccacagc tacaaaagca acagcaaaaa      360
tactcagagc tcaagagatg tgccacatit acttggggct aactttaaaa cactttaaaa      420
gccaaatatg aacataaata ggaggcaata agctttcttg ggtaga                      466

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<210> 3259
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atcccatggc cgcatttgtc ttaggttaaa catatattct tggaaacatg aaatcacaac      180
tctcaaaaac cgtgaaccac cagaccctcc ccaggacacg gaggcagcta ccttcaaaga      240
aaactaccat gaacgctaaa gggtaaatag aggtccagct gtggctgctg ccctgagaac      300

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ccagaaagat gggaagaaac agaantcttt tacacaccat gttttttttt tncctggactc 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 tttttttctg gcagcatctg tggggccagg aacgggcttc 360
 agatgactca gtgctgtgct tcatgcctga ctgccttctc tagagggaag gctggagcct 420
 cctgcctgtt cagctcctgg caagccagca gcactgacca aaacttcacg tctttgttgc 480
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<210> 3261
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 <212> DNA
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tggtttgtat aatTTTTTTTT tTTTTTTTT gagtttatta tgtagcttta gctgtcctgg	180
aactctctgt gtagaccatg ttgccctaag agatctacct tcctctgcct acagattgct	240
ggggttagag gcatgtgccc atgcctggct tgtttaacat ctcatccca tnaatTTTT	300
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<210> 3262

<211> 545

<212> DNA

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 gccataagct gggaattgcc ttattgaagg gaacagtgat tgcctaata gaaaatgnat 180
 tgtttgctac agagctgaat tgaatttaag ttggctgnnt ccgaagatag cactttcccn 240
 ataagcaaat canatttntt cttttttaca taatggccaa attggtntat tttaccgtgc 300
 agtccaagag agagctttgt cctgttaatt tttcctcacn aacttttagag tttgtcagaa 360
 antttccaca tggaaaagag aagcctccag catgttgcca agagccaaag aatcaaaaag 420
 cttantttgt taacgtgtgg ctgtntctac ccccaggcag gaataccacc taagctaanc 480
 aaaaatttct tcaaatagaca tttttattga tacccatgtc tgcatactct tgctatcact 540
 tacat 545

<210> 3263
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 <223> n is a, c, g, or t

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 ttagaccag catcagggtg ccttatcaac tggagagcct ggctctatct agactggcac 120
 cttgtncctg gttctcccca agcaacnggg aagggttgaa gttcagaagn ttatggtgan 180
 cccagagaga agatagggct tntaagccaa ggttctgaaa cttttgacct ggaaaccac 240
 agttcctttt ntcctcantt tacnatcatt gaggaggata tgagggttaa aaggggaaag 300

agaacaatca cagctaaggg acatttgcaa gctgctgtca gacttggaag ggtnaactac 360
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 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

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 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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 aaagctgggt ncagtgggtgc 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

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 ttctt 125

<210> 3268
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aantcatccc ct natat tttt ccccttc atg atgccctgcc ttaccacagg cacaaggaca 120
 gtgactgggt ttggtcactg ctagcct 147

<210> 3269
 <211> 473
 <212> DNA
 <213> Mus musculus

<400> 3269
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 ctctgtcccc tccccccagg accccagagt gtaaggcccg ggttcttctg ccagcaaagc 180
 cattcggatt gctccatctt tcaaggaggc caagccaacc atattagcca tactccacca 240
 gggctttcac cactcttctt tgggttgtgt tcatgggtcc tgttcaacct tcatcagtag 300
 aaggctctag cccttcctgt ccatgtgaca gtgcacatca gcgtgcatgt cttatacgtg 360
 cacatgagtg cacacacaag gaaaccaaca aaactccagt gtcgtcttct gcatgtggtg 420

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<210> 3270
 <211> 423
 <212> DNA
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 ctgcgctccc agcgccagaa agagctcagt gaggctgcag ccgccccaa acgtgcgaag 120
 acccgctttt cactgcgctt gggatccggg cagagtggag gctttctgag caacctcttc 180
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 gaggtggaca gaggcacttt ggggtgcagg gccagctttg gggcagggtgc cccagggtggg 360
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 ggt 423

<210> 3271
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 <223> n is a, c, g, or t

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 ctgttctggc ggagagtgtg cagggaaagga acctcttaat ggttcttggc atttgtcctt 180
 tacggaggga nttttttttt cttttttgaa acagggtttt tttgtgtgta cctctagctg 240

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ttctgaaact cactatgtag actaggctgg cttcaaactc acagagtaca ggcgaagcat    300
ttgggtcaacg agatgttatg agtgcctctg ggtgtactaa tttccaaagt gaagtgggtga    360
ggggaaagcc agcctcaatc caactttaaa tctcaagttc tttttntttt taaaaagagt    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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<220>
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<223> n is a, c, g, or t

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tgaggagcccg agctggctgg agagggaggg caggtatgtg ggcaccagca gggctgactg    180
ccagcatagc cctgcccttn tgaattgctn tgacagggcc agggantcaa gggcctcaga    240
ataaagagggc ttgttgccat ggctccctgg acacacactt ccacttggtc cctctgtccc    300
tttgccctct cctaaagggt gtcctgtgcc gggatcagca aggtgggtac agccttcatg    360
acggacctgc cagcagggtta ctctagttc tgcctttgca tctcgtccct tgccctggtgt    420

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ctgtgctgat agctcacgat gtgccattta atgtcccctg tgcctccatt tcccagccag	480
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<210> 3273
 <211> 496
 <212> DNA
 <213> Mus musculus

<400> 3273	
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tgagtggcga cagggtggta 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 taacagggtct	420
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<210> 3274
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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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggtggctcgg ttcagacagc tccgattaga cgccactgaa ttgacctgtc tgaaatgtat 180
 tgtcactttc aaagctgttc ctacacacag tggttctgaa ctgagaagtt tccggaatgc 240
 tgccgccatt gccgctctcc aagatgaggg tcagctaact ctcaacagct acattcatac 300
 cagatacccc acccaaccct nccgattcgg gnaactcctg ttgcttttac cagcttnacg 360
 gtcaattagc ccattctacca tagaagaagt gtttttcaaa naaaaccatc ggcnatgtgc 420
 cgattacaag actactttca gatatgtaca aatccagtga catctaaggg ctccagtacc 480
 cactttttcca agatgg 496

<210> 3275
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 <212> DNA
 <213> Mus musculus

<220>
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 <222> (281)..(281)
 <223> n is a, c, g, or t

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 aacatgctga ttggcgtggg gaagcagggc ctctgctgct ccttctgcaa gtacacggtc 180
 catgagcgct gtgtggccag agccccgccc tcctgcatca agacatatgt gaagtccaag 240
 aaaaacacag acgtcatgca ccactattgg gtcgaaggca nttgcccaac caagtgcgat 300
 aagtgccaca aaacagtga atgttaccag ggcctgacgg gcctgcattg tgtttggtgc 360
 cagaccacac tgcacaataa atgtgcttct catctgaagc ccgagtgtga ctgtggaccc 420
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 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

<220>
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<222> (155)..(155)
<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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<223> n is a, c, g, or t

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<223> 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> (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

<220>

<221> misc_feature

<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
attacttgggt tgtttagatga ctatngacag tctactaact gcagggtcaaa gctagttaac	240
ttctagctct aacttcttgg agcacaacta gaatgagcac tctccattgn aagatattag	300
aggcttctga ctggccatca tctaaganca taggtincaat tctatgtgan ttaaactttt	360
ttgncaatnc attnccttaa gaaaaccttt ttatgtatct atattaaatt cacaaactgt	420
taaactttta 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 ttttaattcac	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

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 aggggtccta cactctgtgt ggtgggctgc cctgtggacc gtggctttgt gtttcatgag 120
 tgtggaccac cttgtccccg tacctgtttc aaccggcaca tacccttagg ggaactggca 180
 gccactgtg tgagaccctg tgttccaggc tgccagtgtc ctgcaggcct ggtggaacat 240
 gaaggccatt gcatctcacc tgaggtctgc ccaccagtcc tgcttactgg cgactagnca 300
 gctcacatcc tgtccaatcc cagtcaggag cagcccctgg ttccatgctg agttaagaat 360
 acccatatcc cgaacttacc tggccagagg ttacccttg 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 ataccttgct ctgtgtatgc 360
 aggtcagatg cacttgtgga cggcagagga cttgtggtag tccatttccc tctttccatt 420

atgctggccc taggatcaaa ctggggttgt cagtcttggc agctgtacct ttttacactg 480
cactgtctgg tcgctttgtc tttttt 506

<210> 3280
<211> 316
<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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<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

<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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<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
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<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> (199)..(199)
 <223> n is a, c, g, or t

<400> 3280
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 ttgctgagag nctgaaaata tagntnntgc naagcagggt gagntaactt cagcacagag 120
 gggnnnttctg nagggcactg actagctcaa gctgaccnca gttacaatgc aaattanagg 180
 tcagcttggg ctacatgana acttgtgtga aagataaaat aaaacaaatg tgtgcatagg 240
 tgttctccaa tccagccctc atgaattgaa atggcaattt atttgctttc attaatatgg 300
 ttcattgtgg gctgggt 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 aggttatggg tattgcttct atgacagaag ggggccggaa gccntgggtg 240
 ctttgagtc tgagaaacaa ctggattgnt gtgtgtgggg gggacataca cctgtaggta 300
 tggacacccc aggagtggac tgtcccagga tggcacagcc catggaagca tttggaagca 360
 ttctggggct gtgttctatt ctatgggtgtc aggcacggga ggcattgctag gggcgggaag 420
 ggaacacaa 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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<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

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<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

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<221> misc_feature
<222> (190)..(190)
<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> (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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<400> 3282
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tactgcttgc tgtcaggctg aagcgcgtct tgggggcggg gttgggggga caggatatctg    180
cacctgaagn tttaggcgac acggaaaccg taacacncta aagcaaacag ccgggacgga      240
cgcaggcgcg ctgggcgggc ngaacgagtt tccgctccta ctttgcagca ggttnttgct      300
tgcttcttgc tggttggcag gcgcttaagt ttctttgcgg aaatccaggc aatttggaag     360
actgtttaat gaaccacg                                     379

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<210> 3283
<211> 396
<212> DNA
<213> Mus musculus

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<220>
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<222> (369)..(369)
<223> n is a, c, g, or t

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<400> 3283
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accatgagct acaaagtggc tcagccaatg aatgacttcc gagccttaag gaatTTTTTg      180
agtcttggtg acctccagag ctgaggaac ttattgcagg tcagcagtgt tgccatttgg      240
gggctctacc caactcctgc ggtttactga tgcctcagac attgaggcag gatatttagt      300
gtgtccttgc ccacccgtca gctcgacatt gttggcttga aagcttgtct ggTTTTTaa      360
cttgtcatna tttgagtgtc tccttgctta aagtga                                     396

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<210> 3284
<211> 399
<212> DNA
<213> Mus musculus

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<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

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<220>
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<222> (267)..(267)
 <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> (293)..(293)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<400> 3284
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 gcagtggcta aacccttccc ttgcattgag acctctttac ctgtgacatc atccttggcg 180
 ctactgggt tatttaaaga ggcttgcagt tccttaagng gaaaactgtt ggcattctct 240
 ggcagtgtgt atatctacca gtgtttntaa tnttgagatt ttctatacat gancactcct 300
 agtcatttgt tataatgaag aatccaggca cctcttaa atagaaatgg 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 ttgtaatggg 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>
 <221> misc_feature
 <222> (384)..(384)
 <223> n is a, c, g, or t

<400> 3286
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 ctcatcctct catgctcaga attctcgtcg ctgaactttg tagttttccc tcttaatggt 180
 tcagttctct gccacttaag agtcacggca ctgcctgcct ggcctcagtt gtccagaaca 240
 ggccagcatg ctcacagggc ccagcaagtg tgccggttta tttcttgac ccgtctcctc 300
 acgaaccagt ccaatcccaa ttcactttta ttttcttgt atactgaatt gttattttcc 360
 caaaaaactg cctcgaacag aaanacaacac cattgtgact taattctaaa aatattttta 420
 aagtatatcc 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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 <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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<223> n is a, c, g, or t

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<221> misc_feature

<222> (307)..(307)

<223> n is a, c, g, or t

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<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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agagtaactc ctgctggcac actgggaaag acttttaaag ctggaattaa aaaaccaaac	180
caaaccaaac caaatcaaac caaacnaac caaaccaaac caaaccaaac caaaccaaac	240
tgaacaaaa agaaaaacaa accatctgat ccatggcgct gttgcctgnc tagggcaagc	300
ctgcgtncgg gggnggggagc ggggtggagtg 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

gaagagcagc ccatgttctt acctactaag ctatctctct agccctgcaa tgtctcacag	60
agcaccacac tcagttctgc tgcattctgt gacttgtctg tgagctgaca accgtttaac	120
aggctggttc atgagggccca 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 ttcattgtag agtgcttact taccatgtcc	420
caaggctctg ggttcaattc ccaacacaga aaacatccca gagtcttcaa accccggctg	480

ttttaaagtc 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 tagaggggtg gtcacatcag aaaaaataaa acctagaatc 240
 acggttcatt gttgtcactg tgctgcccc tgctgaccat gtgacactta cggacagtgc 300
 tgtacaaaag aatgccttta aataactctg agactgggtg ctgactactt ttgctttttg 360
 t 361

<210> 3290
 <211> 453
 <212> DNA
 <213> Mus musculus

<400> 3290
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 gcagagggta gtttatgaca gctggccaca atacagagcc aggagacagg aagtccacag 180
 catagttagt gagtttctag gaggtggctg aaaattgttc tcgaaccata tctacacagt 240
 agtgagcctg aattaaatgg tggatgggtg 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
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 <212> DNA
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 <222> (137)..(137)
 <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>
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 <222> (192)..(192)
 <223> n is a, c, g, or t

<400> 3291
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 gctgggttagg aaggtgggag gcaccccggg gcgagcacta cctaccaggc tgtgtgattc 120
 ttgacaaact gtaattntgc acagtggact aaacaaacaa taaaggtgca gtgggggaaa 180
 ctattggtnt cnccaacttc ctcgtgagcc cgtgtgtaat 220

<210> 3292
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 <212> DNA
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 <223> n is a, c, g, or t

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<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

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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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 cgtgggtttca gatggctaca caagcatcag cgtggccccc ctgaggcagc aaagcctgag 120
 gacatcacca catcttcagt cagaggcaca gagcttacat ccccgtaggac ctcagacttc 180
 atcctggcct ggggcagcag catgnaccac nagacaccag catggcctct ggtgacatca 240
 tggaccatgg tggctcttnc cagnaggtcc nnatcnagac attgaacttt tcntcatctc 300
 aggccctnat cattgancag agccnngatg atcctgtgac ctgactgggt ggcagggttcg 360
 ggacctgagt ctgcagctgc acaagctcca ggatgctgca cagcaccctg cacaccttan 420
 tgcgctatga cggcagggtta accctctntc ttccctatca ccacgtctcc agttctgcct 480
 ccctccatag agcacacacc gctgttttct ntctttccca tctccccatc acatatgatc 540
 atca 544

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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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 agagccatgt caccgggcat caatggagca gaagcagacc caggggagca tggtagaaga 120
 actggggggg aaactgctgt tctctgaagc aggaaaagac aaagttcaag tctaggagaa 180
 acaagtatgt ggtcccatgc tcaaaaagca gaccagagct ggggatgtac ccggctccgg 240
 ctacgcttcc atctcatcag cctaaaacac tgtccaatth accttgacat caaccagctc 300
 atttagaaga aattgttacc agaaanctct ctaaaagaca caactttaaa agccacccaa 360
 atgatttctt tggctctggt taatgtcagc agcagcaggg aaagaggcag ggccttgtga 420
 catcactaac agtggcctgc agaagtcctt gtcttcagac agacctttac tgaggcaaac 480
 ccaggattcc tggtttcatc atgga 505

<210> 3294
 <211> 412
 <212> DNA
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<220>
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 <222> (313)..(313)
 <223> n is a, c, g, or t

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 cctgcaagtc aaggaagcag tctacggtct tgccctgtgtg cactggccct gtattcagaa 120
 agtctgtgct ttaaaacata ttctgttagc ctttattgtc aacacatcag agaggaaaac 180
 ctaactgagg aaccacagag atgagatcag cctatgtagg atcatcctga ttgctaataca 240
 gtatatgagg gagggcctag cccactgttg gcagcgccat tcccctgaca gtggttctgt 300
 cctatataaa aantctaagc aggagcctgc tagctagcca gcagggtttc ctctggtttc 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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 ccttaccaca gcacatcatg agtagcattt gcttccagct ggagactagg caangttgct 180
 tgtatgtttg ggcagtgtcc acgctggccc atcaaaacat ttgctccaaa aaccanctgg 240
 agagacctgc cttctagact cagcaaattg gagacaatat catcctgctc atcctaaaag 300
 acccaagcag ggatgcctgc tgcctncccg cgactctctg gacaactttt cttcctcctg 360
 tttttatgac atgcccattc ctggggccatt 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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<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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<223> 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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 tctttaactt tgntgantga gctatgtgga aaaggttgta acacacanga gacgaggaac 180
 aactggtcca tgtgttgncc acatcatcca gngtccagtc cagcccagcc cagccctacc 240
 aagtntagcc agcactagtc agtaacacaa tcctcctttt tattaaatca agatttggat 300
 gtggcctccg tcctacctta gtgttccagg taattatcac cnacntgagt ggcaatccta 360
 cttnaaaccc ctttactggc tctgatcttg accttataac aagtaagggtt gctttgtgca 420
 cccacacgga aagatgtc 438

<210> 3297
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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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 gctgtccagt tcagccctcc cagctgtggg atgcttactg ccagggttaca gctccccatc 120
 ctgccatgag ctgtcccacc acggaggtca cttatgcacg tggcattgtg aacttgatac 180

taaaagagtt agtgcccaag cccacctgg agacgaggac tggacgccac gttgtggttg 240
aagttattac ttgcaatgtc atcttaccac tgatcagcaa gctatcagat cctgactnga 300
tccaccttat tcttgtgagt atcttttcca antacagaca tgatncagca cagggnacta 360
aacccccctn ctcatccagt ntctagagc anccctcggt gccacatct ctgccattga 420
ttgttgaagt agagagtctn ccagtaggaa aagcatcttc tccagcaaca gc 472

<210> 3298
<211> 475
<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> (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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tctcacacta cactactcac agagaggaat aatttcaaat tgccctgtgtc agcaaagtgg 120
gcggtgcaca ggctgaggct tcagtgggtc gcagggctga cctccagccc agtctcacia 180
gctcagcgtc tgagcagggg acaggcgcac ttcccttct tccctgcctt ggtttttttc 240
tgatctttta ctggaaggca ctnaaatcan ccctagagat tccttatatg agatactacc 300
tggatcaagc ccatatgttt tcatggtgnc cttcactgaa acntaccaa tgggcaaac 360
ttaaagtgag atgctcggga aagtgaacga ctaattgcat gcactactcc ttcagtgaac 420

tcaagttcag tccccagaac tcctctcggg tggtttacca cctcctgtaa gggat 475

<210> 3299
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 3299
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 aatctgttgg tgatgtttat gtctatgact cctaattctt ttcttaggtt ttctgtctcc 120
 aagcttgtat ccctttgtga tttctttatt gtttgtatct 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

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 tcagagactt ggctgccaga aatgtcctgg ttacctcgga caatgtgatg aagattacag 120
 actttggcct ggccaagac gtgcacaacc tggattacta caagaagacc acaagtggcc 180
 tgctacctgt gaagtggatg gaatcagagg ccctttttta cagagtcttc acccaccaga 240
 gtgatgtctg gttctttggg gtcctccgct aggacatctc accgtatcct ggcattcccag 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> (227)..(227)

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<223> n is a, c, g, or t

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<223> 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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gagggtgggtt ttggtatatg gtaaagaaag tcttaattag aaagaattag tttaaattta 120

tgcattgaag atttataaaa aatcaggcac tagatgttga ataattgacc atatggggct 180

ggagagctag ctcatgtgatt aagagcacta tcatanagat taacctnctc ttgcanatat 240

nccagtancc ttgnatgact ncctcanngn atacntcctt ttagaattgt tatattttga 300

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tgatttatat taataatgat gttacctgtt ctgtatgtga ttcactgaat acatagtttc 360
agagttgtaa tgcttggatg atttttgttg gtatttgtga ttgattcact ggatacagtt 420
tctaagagat gcaatgtttg gattttaatg t 451

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<210> 3302
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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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<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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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 ttactgaat acatagtttc agagtgtgaa tgcttgatg atttttgttg	420
gtatttgtga ttgattcact ggatacagtt tctaagagat gcaatgtttg gattttaatg	480
t	481

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<211> 349

<212> DNA

<213> Mus musculus

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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
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<210> 3304

<211> 442

<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> (410)..(410)
 <223> n is a, c, g, or t

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 cccctgtgta tggcccccct ggttttgcat cctgtgtgct gggattagag caccaggcc 120
 tgctaacttc cttaagtcta ccactgacct atatataagg cctatctttg ggtttgtttg 180

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tttttttttt tttttaactg gtttttgttt tcttacatgc gtgantatatt tgcnnncatg 240
gnantggagt tanaaattag ataagatttt ntatgatttt gatttntgaa ntttgataac 300
cctattttcta aatttcataa gcanccttga gtggcagcta ttaattttac aggtgatata 360
tattgcttag gaaatgataa aatgaagaaa ataaatactt tcttgatttn tcaacaagtt 420
aaaaaccact ccaggcactc ag 442

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<210> 3305
<211> 444
<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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gtagaacagg ctggcctctg ttaggattaa aggcattgat taccatgccc gggctcttatc 180
tgcctttgca gttagtactg tttttttttt ttaattttta aaatatttat ttattttactt 240
attatatgta cgtacacttg tagctgcctt cagacactcc agaagaccgt atcagatttc 300
attatggatg gttgtgagcc accatgtggg tgttgggatt tgaactcagg accanttgga 360
agagcattcg gtgctcttaa ccgctgagcc atctcatcag cccagtactg tttatttttg 420
atactcttgt atactgtgac agga 444

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<210> 3306
<211> 410
<212> DNA
<213> Mus musculus

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ctttgacagc tcttcagagt ccgtgaggtc gtccagagct gcgatagtag aatcttcatt 120
gctcgccgac tgggtggtttc ctgagtcctt ggaagaaaag tctttggagc aatcctctac 180

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actcacctgc acaagaggag ttgtgctcag gctgaggaca gagggtggc tggggatgga 240
 gggggaggag gcagcattgt tacccaaggc accaccattc ccttggttca tcattctcttc 300
 ttcttcatca ctttcgacta ttctgagagg tgggagaggc tcaaacacca gagagtcact 360
 gtcggatgtg gacagtatag agtgtttctc tggcccagat gttgagtctg 410

<210> 3307
 <211> 110
 <212> DNA
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 <223> n is a, c, g, or t

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 aagctgccct gctattggga agntcccage tactgcaggg ccagggaact 110

<210> 3308
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 antgggggca tttcttctgt gtttgatcca gcggagacca tctgccagca atcatacact 180
 gagagtgaag gcagggataa aaaacagaag atttttatca ttgggataga gataaatcct 240
 ctcttgatgg cccctttttg gggctcctca cttacacgct cactgttgga agtgaangcc 300
 agagccaatg gacacaaaca cnntgtatta tttccttctg tгнаacttaa taataccnaa 360
 ggagttccaa caggagacaa gcagatttat aagatgctta aatggaagaa acaataaagg 420
 aataactttg tgtaacaggt ttatgnccta aactctgcaa aaccaggac atttaaaata 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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<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 ttaaagtcta 300

<210> 3310

<211> 509

<212> DNA

<213> Mus musculus

<400> 3310

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ttaacagact tcctcatttc cttttgacct tccttcatat cagtttctgc ccacagaggg 180

gaaaatgtga agccagggct gcacatctga gtgatttgcc ttctgtggct tagctgactg 240

ggggaggagg ggcgtgggga acactaaatt ggattcctat gtcctgtttt aaatcttggt 300

tttcattgtg agttgtacca gcaaagctct gggagataat catgaaaatg tgtagattgg 360

cagctaatttt ttgaaaaaat gaaaagaatc agagatgaaa taggagcgct cagaagtttt	420
tatgtttctcc caacctgttt tgtcaaattg ttacacaaac ctagaaggtc tctgactaga	480
tacaaagacg tcgcatattg ctgctcttt	509

<210> 3311
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acatctataa cgtggacttg agggctaggg gtgtgactca gcagaaaagc atctgcctag	180
catgcatgag gcctcgggct ccatcccaac tacaggagta gagggggatt tgctgcctgt	240
cttgannnnn gtagataggc cagtctctgc tgctggttct tggtgaaatg agctggacag	300
tgtctcctag ctatgtgggc ctttcttggc ctagagtcac aaagttatgg ggtgtaatct	360
tgggatgtta ccatgactac agaggtgcta gagctctagc tcggttggta cagggcttac	420
ctggaaggta taaagccctg ggtttgaaca ccatcgtcac ata	463

<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
gaccaggat tgaattgag gaaagatgga gacagggtgga aggtagaaca cctaattggga	240
tcctgaaccc ctttacctga aaatgtcctc atcatctttg ggaggctaag ttttttctg	300
tggaggtttc ggatcttctt gacaagatca gaggaaatgg cctctgggct cacaaaagtc	360
ttcagctcgt acctgcagac aagtt	385

<210> 3313
 <211> 432
 <212> DNA
 <213> Mus musculus

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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> (213)..(213)
 <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> (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>
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 <222> (335)..(335)
 <223> n is a, c, g, or t

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 gatatcagtg taaaagatgg acagcctccc tgaatgggat gctgtgttgg ctaaacttga 180
 accaagctnt gaagcatcaa agcattgaat ttnttcttcc ttccaaccct ccnccactg 240
 tgaaagctca cagattccac tntttgcagc agcttactcc caactntcct ccaccttacc 300
 gtttaggtca gtcacactcc atcatcaaat ccctntcctt caaaatgaaa cctgaagtct 360
 agagaggggg tagaagaac attgttccaa tcttcaaaag gcaggctgac atcattttcg 420
 attgttccaa tc 432

<210> 3314
 <211> 489
 <212> DNA
 <213> Mus musculus

<400> 3314
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 aagagcactt gcttctcttg cacaggacct gggttaccag cacccaatgg tctgaaactc 120
 tagttacagg gatctgacac ttgcttcttg cctctgtgga cactgtaccc tcatagtgtc 180
 tatccatgca tgctgacaag acagtaacac acacataaaa ataagtataa gtaagtgaca 240
 acccccacta aggtacttga ggcatacagta gtcagccaca aaaatgtgac gtgtatggag 300
 aaggggtgttt gggaagattt gggatcaggt tcacttctgt tcaagtttcc ttagctggac 360
 ctctgttatg ggctaagtat aggggaatct gggaactgtg gtctatctct gtgtctagga 420
 agtcacatta ttatgctgtc taaggtagag 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

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 <223> n is a, c, g, or t

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 agctccagac cctagctcag acatttttgt ttttaannaaa agnttttggc atcctaggaa 120
 gttgaggcaa ggatgaagca tccgagctga gtgtcagtc taggtgactg caggttcttc 180
 tggcagagac tgggtattca tacagggtta ttgatgaact actaatgttc aagaatatgc 240
 aataagggct gaagagatgg ctccgcagtt aagagcactg gctgctcttt cagagaaccc 300
 cggttcaatt cccagctcac atctgtctgt agctccagtt ccaggacttg taatgcccc 360
 acagagacat acatgcagtc aaaacaccaa tgagtataaa aataagtcac atatttataa 420

actttaatgt ggtggcctgg tggcacatgc ctcgagtctc agcactcagg gcagacacag 480
 gcaaatctct ttgagtttga ggtctgcctt gtctattaat ga 522

<210> 3316
 <211> 402
 <212> DNA
 <213> Mus musculus

<220>
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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> (206)..(207)
 <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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 <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 tttccnctg ttcctttctg tagnatagtc taccngctta 240
 gtgattcgag tacacatata atatatgaca ccctgcatag tgatgaaagt acatatgtac 300
 tacaccctcc ttagtgatgt aagtgcacac acacacacac acacacacag caccctgctt 360
 agtggttaata agtacagact tgatttctgt caggctctct aa 402

<210> 3317
 <211> 513
 <212> DNA
 <213> Mus musculus

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<223> n is a, c, g, or t

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<222> (312)..(313)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t


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atgagaatgt tcatttcctt attcttttgt ttacatttga aaaattaaat gcagttctat      180
ttttgtctct ggggttattt tgattgcctt atttaaactc acaatgccta caaaagtggc      240
tagcactggc cctacttggg acattcgaga atttgagaaa atncctgaan tttcaaccta      300
ntgaatgagt gnnncnngnat ccatntccnc tttagaccag aacctgtggc acnaantctt      360
ctcattcatg tttagacact gacctctaga aagganccag caacatccca agaaacacag      420
gagggaaatg acagcaccag tctttcctaa ctcagctgca gtcttgaaac ttgtcagcta      480
agagctgctc ctcccaaaag tgttgatggc ccc                                     513

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<210> 3318
<211> 527
<212> DNA
<213> Mus musculus

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gtaaaatctt taaactgtca gtatccagga tacttcttgg ttttttagaa atatgaagca      120
aaattggctg tattttgaaa agttatttct gtgtctcctt taaggagat tagtaatcct      180
acacatgctc tttggtggct ctttctaggg agctgtgact atatctattc ctcctacata      240
gagcactgac agagcggaga cggtgccact caagtcctc ctggtgaact gatgagttta      300
gcgggtcacc tacaggagca tggccaacag gttcattaat gcaggatgcat taccaggaag      360
gcagcatggg taaccaatca ggaaagctgc aatctttttt tttttttttt tttttttgaa      420
aattatagta tcacaacaga aaaatctaaa ttttatacat tagcagagaa tgtatttctt      480
ttagactaca gtcaaattatt cctggcccag acctcagtta agacaat                                     527

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<210> 3319
<211> 489
<212> DNA
<213> Mus musculus

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atgcaagccc ctaagcaaga agctccagga gggcctcctg acagtttgca ggatttggct      180
gtggcagtg ggggatttag gagccatctc acagtctttt ctctagtgga ctgaattcca      240
gaccacagc tttaccaggg aaacccttg 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

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<210> 3320
<211> 496
<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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<220>
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<223> n is a, c, g, or t

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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

<220>
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 <222> (424)..(424)
 <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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<400> 3320
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aagtagctaa gaccccaggc gtatgccacc ttgccagct aagaccccag gcgtatgcca    180
ccttgcccag ctacctagag ttggctgttt acttaatttt ttttcttttc ctttttcttt    240
ttctttttct tttttctttt gagacnaggt gtcangnagt ncagnctaga cttnatcctc    300
atncctctnt ntccnnnnn nnagaattag aggtctatac cntcatnctg ggatttatTT    360
tcatntatgn ttactgaaat gaattaagat gacgtaggtt caggttccgc tcatactggc    420
tacnttcctt gggtacacnt ttcantctca agatagaggt ggtggatctn tgcggttggc    480
ccctggtctg cataga                                                    496

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<210> 3321
<211> 531
<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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<220>
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<223> n is a, c, g, or t

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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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<220>
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 <222> (253)..(253)
 <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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 aaaatactct ctcacaccag gctgggggtg tagttcaatg ctagaggagg gacttccta 120
 acactaacia tgccctagga taaatcccca gcgctataac acccaccctc caccctcacg 180
 ctcacacncc caccagcaaa ctcncaagca aatgaccgaa gcncaacgt natntgagaa 240
 cgtttcggnt atnccaagag ctgagccctt ttcttntgca ggagaagcaa gacaccagg 300
 acacgctgac cctcagcctc tggtcgccag gggtcaccga gcctgctgtc tgcctgacc 360
 tccccagcca gagctatattt tcagtttctt gtgggctaag gcccgatct gtctgtttac 420
 tatcttagcc tgggtgtttt gtactcaaaa gtttcgtaac gcctgagagt atgttttct 480
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<210> 3322
 <211> 525
 <212> DNA
 <213> Mus musculus

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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> (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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<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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 <222> (456)..(456)
 <223> n is a, c, g, or t

<220>
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 <222> (458)..(458)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tccgtatgcc atcaggtctc cctatcagat tagaagcttc tctaaggagg ctcagacttt 180
 accaggtaca gaacaagcat ccatgactgt ctactgaccg acctggataa aagcactgac 240
 acttgactgg agctggctgg gttcacagac cccctgcact gctctctata gaagcgggca 300
 agtcattgac ctttntcgt tctactattc atganatgag natagtagca cttacccttg 360
 ggctgggcca 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

<400> 3323
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ttcaagaacc ccggcatgga gggcactaaa aaagaaaacc accagttcgt aaagtgtcac    120
ggctatcctg aggtgtctct ggtagcggtg agggctgcct ggtatggcag aagggtgagg    180
tgactgttac cattcttgct tttctctgac acagacacta gtgtgtattg gtcttaagga    240
ttaaggaagt taacgtgggc ttttaagtaa gtagtacttg gagacagagt tgacacgctg    300
cctactatgg actagaaaag caagtgtaca actaactttt taaaaatatg tctggctcta    360
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<223> n is a, c, g, or t

<400> 3324

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agtgctatcc tgggtcctca agtcccatca gtggtagcca gcaaagttgt tcaaccctcg      180
gtacctctgg ttcattctgt cctggacatc tctgtatata ctggggatta taagaaatca      240
tgatgtttta attgctgggc tanntncant natnttnnn nnnnccnnnn nnaangatcn      300
anannngctn aanactann aagagatatg gataatttna natntgatat tctaggttat      360
aatgctctat ttcataatct cacaactaag tataagttaa taagtttata gatactanat      420
ctaagtcaac tgtatagtat tcttctgaat aggtctatat ggaactgtga ntccctcagct      480
tcatatgttg aaatcttact ctttagtccc tagtgcctcc aaatggctgg aa              532
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<400> 3325

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aaccaatcct tctgcctcta cctgtcagac cagggtgtaca ttcttatgcc ggcttcaaag      120
tagcattttt atgtaatgta gtttttattt ttttagaaat cttagtgagg gattgatttt      180
actctgttct cctaaaggaa gtatttggtt ttcttcctgt cttcttgctc ttctagggca      240
gtcagtcaga cctgatgcca tttgttggtc cacagacatt ccctcattta gaggggtgtg      300
gtcctgaagg gctacagtac tgtcactttt ctgccttaag tgtnttcata acccttactt      360
tgaattttat ttgtttaagt gtggctgtat gatggcttta tcagatgtca gagctggttt      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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 ttggtatatc atggatatgg atgtcttttg ttcagagtaa ganactgtgt gtgtgtgtgt 180
 gtgtgtgtgt atgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtnagaga gagananana 240
 ganagagaga gagagagaat ctttatagga acattgtaat gcctcgggac attagtaacc 300
 cctcacagta tttagtcacc gtatttatgt cttttttttt ccctaccctt ggtatgaggg 360
 gaaatgattg atattcaagc aagttctcta gggggagaca acaaccatag ccagattctt 420
 tccagctcag atatctgtgt cagctcagaa tgtatctttt tcatgctttg ctctgtggat 480
 ttataactgt ttagactctt ccatacatatt tag 513

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 <212> DNA
 <213> Mus musculus

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tagaactggtt 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 tgcaaagtc ttgatctcca gaactgcata aaactaggca	360
acctgattcc ttaagaggca acgcaggatg atcataaatt atggtcattt tctgctacac	420
aggaagttca agatcagcct gaaccttata tgccctgcctc tatctctcag ttgtcattaa	480

<210> 3328
 <211> 504
 <212> DNA
 <213> Mus musculus

<400> 3328	
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agtccatttg ggaggtgtga tattttaaag gcacatgaac tgtcgtaaga acacagcaca	180
ataaaggagt ggcttttagaa atgtaatgat atgcctgtgg agtgggatat ggtagagtaa	240
catgtaattt ggaccagtc aggaccttag ccaataggaa ctgtgagtaa ctatgggtgg	300
cttgcttcag ctgtaggctt atttcattgt agcatcacga agaataaata aggaaacctg	360
taagatccta agcatgtgct ttacacaatg aagggacaag ggcattgcaca ttgctcggag	420
tgggagatct agcaatagag tccatgatgc atcagtcctc caccacgtct ggtcctttag	480
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 <212> DNA
 <213> Mus musculus

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 agcccctaca taataatatt tttagacatct gtcttccatg gtttagaagg agtcaggctg 180
 tctctgtaac tgagccacaa ctagcaatgt aaaccttggt ccagagcata gacaataagg 240
 cctttcagac agctatgcc aagacatcctc tgtggtggca tcagccagga cttccactct 300
 tgggtgctga ttcccacccc gctgcctctg cagcagttta tatcccgggtg tcttcttagc 360
 tgcacatatg acacctgtgc cctacaatgc ccaaaggaaa aataactaaa atttgctcct 420
 gtcacccaaa ggtttgcttc cttagccttg gtgtatTTTT tatcttcctt ttatctctgc 480
 tcgtttgccc agaaa 495

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> 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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ngttttactat tgtancccat agactagcng cactnattca ttagcttcaa tagncttttag 120

agntttctag tcacataact atgtcatctn aantggaggt tnactttaac tttttttaaa 180

aaatcttggtc tnacnncagt gtctcataat angntacagn agancnggaa gcagggttatt 240

tttgtttaant tctaangaat ccttcagctt gttattacag natgntatgg gctgtgnggt 300

ggccatagat actcttttga caccctcat cccaagatg gcttctttgt gaagtccgag 360

ctgtcttggga actcactctg acctcaaact cagagatcca cctgcctctg cctccctagt 420

gctggaatta aaggcgtgcg ccaccactgc ccggccatag atgcgccttt tgaggggtgaa 480
gatctttctc tttatatttta gctctagttt tctgaggttc ttccttc 527

<210> 3331
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<212> DNA
<213> Mus musculus

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<222> (464)..(464)
<223> n is a, c, g, or t

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catctcaaac caggtagtgg aagagaacat gataaactga gtcttatata cactgagcct 120
cgcacaaact ctcagggtta ccccaaagga gctgtttatt ctttccatgc ctcctctgtg 180
agttgggggtc tttcttgagg aagttagtgg agtggaagag ctgtaaatta caaagtgtac 240
tttacaaagg cattaagtat tgataaaaag aacaaaaggc atgagtatct gtcactgaag 300
gtgacaatag aaaagaattc aacatcaccc acccctgtct aatctcctcc ctgacgggca 360
gtgtatattc ttctgccaaa catttttttt ttaaataagaa ccaatgtagg aaaatcaggc 420
aaaataaaat gatgatcagt ccatgtcatc atgggttagag caangaccta cagttggcct 480
ctacaaggcc aacagggtca ttca 504

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<211> 470
<212> DNA
<213> Mus musculus

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<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 acaccctttg atccactgaa 470

<210> 3333
 <211> 510
 <212> DNA
 <213> Mus musculus

<400> 3333
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 tctaattgctt 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 atgggttaaaa gcatcaacct ttataaaaga gcaactgatca 180
 cggaccacaga actgtattcc taggcatttc ctccttacct gccctcattt taaaaatggt 240
 tccagatgat tagattgctg gtctgtctat gggacagaag attcagactg gcgcttgttt 300
 ccagtgaatc ccattgcgga ctgtgatatc agatcagata agtctgacca gtcgggtggt 360
 gagaacctgg aaccttggct actcaa 386

<210> 3335
 <211> 480
 <212> DNA

<213> Mus musculus

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<220>

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<222> (308)..(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> (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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<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> (434)..(434)

<223> n is a, c, g, or t

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acaaaaaac acatagcaat ccaaaatggt ctgaatataa aatattatat gaaaaataag 120
ggctctgaggt gaaattttaaa ctacctgtta atatataata aagggtgacaa tctacataag 180
acttaggact ttgaaaactg tgtttttcta aattaagtca taaatttgaa aatttgatat 240
aaccatcatg caagtgttgc tatgaatcac tctcttgata gatagatatg acaaatccct 300
gctantcnnn ntntntnntt tntttaacat gcacagagat ntaagtgnc cctagtattn 360
tttatatggt aataantata gcaaataaat cctttcttct tccaaaagaa gaagggaaaa 420
tgtactattc ctantgaggc ataggtttta agtaacaatt tcaactgacct 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

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gggctgcttg aactcntgcg gcctgtgaca gtcacttggg acagtgaatg gtgggttaaaa 120
taatcagtgt aacacaccca gggtcaggac cattttgtga tggctcccat gccagggtga 180
tagacaagaa ttcatagaaa ttcaccctga catgggctgt tttctggaca gaagcagatg 240
cataatttgc aatgaccagt gcaaaaataa aatgcagttc tcctttctta aaaaaaaat 300
tagtaggtct ttcatgatga caaggcagga gattaaagca actgttttgt tgtttgtacaa 360
ggactcagct atgtaactca gcttgggctg gaattcctct tgcttttagtt ttctga 416

<210> 3337
<211> 536
<212> DNA
<213> Mus musculus

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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)
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 <223> n is a, c, g, or t

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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 tggtagttn caggtcgtcc agagctacat agaccttgtc 300
 tcaaataaac ttttccatth tcttcttttc tgtgttcctt tggaagctgg tcagagccta 360
 acaatgcttt tgcttgatc atgggcttcc ttggtctttc tgtaacatcc aacccaatgt 420
 catgtggctg cttgtcctaa ctgaactgta tactggctta actcaaataa catggcttcc 480

tttggccctt ctttgttctc ctttggacag ctgccaaagg tccacagcatg tttgct 536

<210> 3338
 <211> 357
 <212> DNA
 <213> Mus musculus

<400> 3338
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 cttttccag ttcagaattt caaactttgc cgaaccgatt aatttaaattg catgaaggta 120
 cagcaaatat aaccagtat tttggtaact ctggttacct ctaagacagc tttgcctggt 180
 agagatcttc tgtgaaacca caggtattgg gccaggacta cagcacaggg ccaaacatac 240
 attccatact ggacatgcag gacctgcaa 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>
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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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 catgcatact aagcaagaag tttaccatta aggcacaggc cagcaccag tcaccataa 180
 tttttacacc ctagacagca attatgtttt ggtggggcctt ttacattnat tgacattnat 240
 ttacatttgt gttnttanat ntcctttact ctctcnccag ctctgaacat nttttaattg 300
 aaaagtttat actaattcct gttattttat tgttcgttgt tgtttattca cggatacncc 360
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 tctagccata caatcttcaa catttgttgt cagatttctt gatgatagct attttgactg 180
 aagtaaaatg ttctcacaaa gcagatttaa tctgcatttc cctgatgcct aaggattctt 240
 agcacttttn aaaacaggta tnggccattt gaggnntttt tnaaaactga aatcngtccn 300
 atctatttgc tnattttattc agtagcantt ttatttccnt ngtnntttaa ttcncaact 360
 ctttgtaa at tctgggtatg agttcttncc ctgaaatgtg tctgataaag atttctccca 420
 ttctgtgggc tntcctgttt gtttcctttn tcttacagaa aacagaataa aactaaacaa 480
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ggaagcccag	tactggcttt	ctatccaaga	agcttatgtt	ttcattccag	gtctagatta	240
gatggaaagt	cccactggaa	ctccaggctt	ctgaantctc	ctttctagat	tcagtaaattg	300
tntattgctt	gtctaagatg	tggcagacat	tatgagttta	angggggatc	ttaatgatta	360
tattattgct	tccaaacata	tgtagttctt	gaaaccacta	gttaaacatt	ggtaatctgc	420
ttttcaaata	tgtaaaacag	actagtactc	cgactgactt	tcttacggtg	cacattccca	480
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nnctgtnaaa atcnaagatc acngnaggna ncnccatgtg gagtgataga atcantgtac 180

nggaaaatca cncgtggtttc ctgggactcc tcttgcccnc tggcaattac agtgtattgc 240

tctccttcat cagcagctaa tgtatgtatg aaaaagtga gaaagggctg catttagcac 300

aggaaacagc aggccgtggt tctcagagtt gcagttgtat ggtttatgct tattactgtc 360

tagcccnttt tttaaaaaat gactggaaat ctaatctact agagagaaaa agtcactaac 420

tcattatttt ttgtgtccat ttttctgctc atcaatatat tactgtgcac agtttgatag 480

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attgtaacga gaatacaagc tcaaaactaa nccccaacaa aaagagtaaa aagcatgctt	180
gcttacaacc ccanaagcca ccagtcatcg ctccaggcct ctggctccct ggctccttgg	240
ctccctgcag gtggcacagt gcccttagac acccacctgg cccaaggcta gctcctatca	300
gagttatagt cagcgagcac ctcttagtga cttccactgt caccatctcc taaccacatt	360
cctcttttgc tccactcaat gctactagcc agggtagtg tagtttggtg gtttgtattg	420
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agggatctct cttcaaaagg tttccttagg gtttaagggt tatcttggaa cttgttaaaa	180
tttggaaga gtcattctggc tttcagagg tagacgggtg ggtctgctgc atccagacat	240
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actgaggatg tatctggacc catgtccctg cccctcctat tttctgatta ctgtccgtca	180
caagtgggtg ccttacctta tcacatagtc ttacagccct gaagttttga ctcaccacag	240
gctcttcctc taactgagct gaaaactcac accagtaccc tggagatgga cttgggggtta	300
ctggaacctc tgtctggtcc tcctcccagt gcacattgat gaactcacc attttttgat	360

tttcaccatt gcctctctct ttaatcagtg tactggggat gagtggccaa gcagaacctg 420

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 caataaagac actcttcaga cctcncgacc tctcacagtt cggatggata tgtttgccgc 180
 ttcttagaac cccccaggaa gcagtcctgaa aaaaagacta gtaaggagag agaggagcaa 240
 tgtccttata ggggtttaatg tgtggccagc acagtacagg ncccangnnc tttntcctnt 300
 gtttngtttt nnttttnttt nttntttntt tttttttttt nagcttnttn gctgggggacc 360

naggggaattg gtttnggagt tggggggagg gggggttccc tcagnccttt ggcaaattct 420

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 nnnnnnnnca ntnnnnnnng ngngncnntn nttnnncnnn ngatttgtca acgttcaccc 180
 atgttgtcgc tgctgtcaga cgctcctcct ttttgagggt ggaacctgat tccatttgtgt 240
 gcacatgcca tattgtgctg gccattttct ctgtcactgg atctccagct gccgtgaatc 300
 atgcggtaat gggaaggagt gtgcggatat cctactttca aatctttgtg ttgacgtttt 360
 gagacagtgc ctgcctcgct caataatagc ccagcctggc ctcaatcctc ctgcctcttc 420
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 ttaggccttt gtgcctgcac tagtctcagg cctccaaact gggaatgcat tcaactggcta 180
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 aatgtattcc tcacagcctg gaagcccaga gttaccagtc aagttctagt attgtgaagc 360
 cctcctgctg aatcttcact ggacaaatgt tactttggtg caccaccttt gtattctaag 420
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tggcttgant tttnagaag tattatgngg tattttactg tgtatnantt ctgtggtaaa 180
natgtgaagt ccttnggnct tagtcatact tcataacttt tgaacgttgg gttttttggt 240
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cgtgcatttg cggttagaat ggtcttggtg c 331

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cctttaattt cagtacctgg gaactctgtg agtttcaggc tagtcaggac tatatagtga 240
gaccctgtcc aaaacnaaca aacnaacna agcactattc ctaacatagg tgagttttag 300
atacctacag atatgtctct gtttcctgtc ctttgggata ttacacagga ttgaaccagg 360

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taagctgcta taggagggtta ggcaaaatgc aggaccaata ggcaggaaac taagtgtgcc      420
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aaaata                                                                    486

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ttgtggtgcn tgaacacnca ncagaagact natagcagtt gntcgtntctc cagtnatcta    180
tatnaccttc caggagagct tactttcnna tnttggaact acttttnagt ggctccacag    240
agtntgggtg ancctccanc naacgtctcn agctaagcag ttatgatgct tgctgntctt    300
ccagtggacc tgagttctgc tccnaacacc agggttgncc atctcacaac tccctgtagt    360
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<223> n is a, c, g, or t

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ccctgggaac atggctcct agtttccctg ggaacacata ccctcacctg gattccagcc    180
tcacaccatg gagacgtggc tccatggcag accaaggaat tcntccnatg atctgagtgg    240
gattgcaggc tgctgtttgg atagatgtct ccagagcatc cttacatttc cgtcacttgc    300
tttgagaca tgaggtcctg agtttgcccc taggagccat ggaaaaagct ggggtctgata    360
acgggtttat                                370

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gaatggatga tttatttcat aggttacatt ataacctcaa actctgccta ggcaggaaaa 180
gcaaagaggt atggcagtct gctctcctcg ggtgacttct gagcttaaga ccaccatact 240
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ttgtttttgca gtcagaggga gaattttctt ttgccacat tcagaatgtt gcctgttttt 180
tttttgttcc gcgtgtgtat ttactatgtt tttatatcat ctgattccag tttggatata 240
tagcagatta atgttatatc aatccaaata tgaatctttt tgtgcactaa cttttatgag 300
actcagtggc ctcattgtgc ctgtcatgtg tgggtcctaa gttccatccc aacactacca 360
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tgagacctaa tgctnctcca agctcaaagt tcagttttct gaaaggtaag atttagggta 180
gcagtgcag gaggttccag atcactatag aggcgacagg tggctatcac tatggtgtct 240
ttctcagaag cctgagcagg ggcccaggat gagcctgcag agccctggta tagacagggc 300
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ttacacgctg ctctgagaat 380

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<211> 67
<212> DNA
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cctttttt 67

<210> 3357
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<212> DNA
<213> Mus musculus

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agccaggctg cagggaggcc tcgagtcacg gcccacagg gcttgagacc tggggccatc 180
actgtcagag ggacaagaga atgggctggc tgaggcctgg gactgctcag ctttctggtg 240
gagagcctgc tgcttgggtg gaccgcccatt cactgcagcc cccagctgc tctccatgtc 300
tctgtctttg ttctgagaca tttctgtttt aatttatattt ccaggtcctg ctgtagttct 360

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376

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 <223> n is a, c, g, or t

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 agagcatcaa acatcagcct ttctataggt tttcccttct tgatatggca gggttgtaaa 180
 tctgtatctc actgagtga tggagccaa ctaaagtatt ctgaactagg cagagctaata 240
 ttcaagtctg accacatctg ggacactgac ataggctttt t 281

<210> 3359
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 <212> DNA
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 <223> n is a, c, g, or t

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 atggcagcta tggctggtct tacctccagg cagaagtctg gagtcagggtg tgcagtttaa 180
 acagggcaaa accaatagga tgtgtttgtg aagagaaagt gggctcagct ctatccagcc 240
 aactttaatc ttgtttgata atagactgag ccaagggatc ttgcacccca tgcaaccttc 300
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 tcataccaga gacttaatat ctgcctgcca atgaactata tctaaggtct taagatgntc 180
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 taaggacaag ttagccagtc tccctgtgac ctccatctgc tctactntac ccacagtnca 180
 actgtcttgc tctctgaaaa caaaactctc ttcttggccc agctccaatc tctgatagat 240
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 cctag 305

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 <211> 343
 <212> DNA
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 ctctcgaagt cctcccaagc ctggaaaacc atgccaaatc gccagtgaca gcccaaagaa 180
 agcaatttgg ggaagatgga gcggtcattt atccttcac tctgactgac ccttaggatg 240
 tgacccgcac 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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 ctggcattat cctgtcttaa tcaagaaaga attaagacaa tccctcttaa aatgttggtta 180
 tactgatgcc ttatataaat gtataaatga atactgagat aattgaagat attagtttac 240
 acagattttta ttttaatttg aaatgctaaa atgtcagtga cagtgtgaag gttgctgtgg 300
 gttggtataa cttcatcagt aat 323

<210> 3364
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tnntggaccc tgncacctac aatgaattct caccctaccc cacaccctgt aagattnttt 120

tttgggcctt catagggtcc atttcctcca gggcctactt tccttcatt ttgcaaagcc 180

tg 182

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 taaaatggaa cataattcga ttntgcttat taaaaaaata tttttattga ctctttgaat 180
 ttcatgttaa gcatcacaat cctactccac t 211

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 tgattgccaan ttgcttgaaa tcggtcaagg tgggcgattc anacgtgaaa aatagcacac 180
 tcgggccccca gcgaaccatg gcccgagacc tacgtccctt ttgcggcccc ggctt 235

<210> 3367
 <211> 48
 <212> DNA
 <213> Mus musculus

<400> 3367
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<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

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<210> 3370
 <211> 88
 <212> DNA
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 <212> DNA
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 ttgttctgtc attatggatt ctaaacttct g 151

<210> 3373
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tacctgcttt tactgcctca gtgctgggat taaaggtggg gaggcccatt cctgcccttg 120
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 <213> Mus musculus

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 <223> n is a, c, g, or t

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 caggcatgga cactggaca gtgttcatca tcctg 95

<210> 3375
 <211> 41
 <212> DNA
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<400> 3375
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<210> 3376
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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

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 <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
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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
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<220>
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<222> (437)..(439)
<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 aaggagggtta tggcttgtac aacttgtgca tttcggagtt      240
cattaacatt ttgttgagac ctaataaatt tttagtttta ataagatacc caggaagttg      300
tagaaggtat attctttgaa agcaacaata tttgatctat gtatattaat ttgactttac      360
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cgtgttccca tgannannnt ctgtcagccc ttctcctatg tgtctaacgc cttcttctgt      480
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<210> 3384
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tctcccatTT atatttagca ctttatgaca taggaaacag agagaatgtn cagtgttacc 120

tgggtcattg tgcaataaag ctgctagtgt caccctgtgt tgggttagtg tgataactcaa 180

tactcatgtg agcacatntc ctgtagacgt tttnaaatat aaagctttaa caggantcag 240

agaaggaagc tgttcaaaca ctgtatcact ctatagaaat tgcttagtgg aatttcaatt 300

tttaataaaa aataaataaa taaaggaag 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 cgctgggtcat ccgaaacacg tatgctgtat gttgatgcct 180

tcagtctgat ggactggatt tcttccatgt tttgtgttta caaacctttc cttaacagtt 240

tgaagttaac cggatcaaact gtatcagtat ttgtattatc tggaaaagac aaccattttt 300

tttaatgcat agccttccta aaatataact gcgtttttatt ttaatgaact tcttgttaca 360

tttacctttt gtacatgtga ataaacttta tattaagtaa tattttattgt tggttttata 420

atgactcaca tatgatatta tgcaggttaa gccttgaaca actaatttca tgtcttcaaa 480

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 <223> n is a, c, g, or t

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 gcactattag atgtgtggcc ttnttggcgg ntgtgtcact gtggggntta ggctttgaga 180
 ccctcctcct agctgccctg aagacagtct tctcctggtt gtcttttgga caagatgtag 240
 gactctcagc agtgccagtg ctgccatgct cc 272

<210> 3387
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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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 ttaaagatnt cnaaaaatgc agagtacatt attgttnata gataccaata tagatgatac 180
 agaaaatgca tttagattat gaagattgag ncattttgnt ntncaatggt gtgggttttat 240
 tgctttgtac atttggcaaa cataaaaatg gttaacaaca cacaagaaaa tgatcttgcc 300
 tcctctgtat ngacactata gtaatttttag tactctttta ntcnaaancc ggatataggc 360
 ttaanagaac cnaaaaatca attagatgta tagaanatgt aataatccct acaanacaga 420
 atctcttgaa accttgggtt ctgactaaag gttattttatt tattttatttt ttgntggaga 480
 aagactaanc cnaaactttt ggtagtaata aacctgact ctgacatctt tataattcac 540
 c 541

<210> 3388
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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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 ctgtattttg tgacctggaa gtgtcctcag cacactctga agcttagnnn gcctcctggc 120
 ctcagagcaa accatgaaga agccatttgc ttgtccttac gtggcttcca atttctgatc 180
 tgcaaactgt gacaatttcc tattttcttt cctatccatg ggcagagcca tggcccccg 240
 gggcctatgg aaacaccatt agtttcatta ggaggggaaa taatctccgg agaagcgaag 300
 atgttttcgc tgattccctg acctccacgc taaaagcaga agtagaatct gcctcttaca 360
 aaccactgag tgacagtttt cccagcntc agtcctcagc acaaaacagt ttctcccaac 420
 actagcctgc tgaaacagct gtcataacc aaaaaaaaaa aatgtcctcc ctccaaatgt 480
 aaaatgacgt gacatggttg tacgcatttc cnttntggag agaaccacag cagacttttt 540
 tccagcattt c 551

<210> 3389
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 <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 aactgtgtg 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

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<210> 3390
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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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<400> 3390

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caggctgctg ctgctccttc ccnaagtcca ccaggaagg aagcagatga tgatgtcatc   180
cagggtgcca gctccgggca ccaggcattc cctgtctcag taacagatgc ggntgtgnca   240
ggctctactc tctgaccacc aagaggacct ccatcccagg atgacaggct gattcacaga   300
aaaggctggg cccacacagg agncccagct cnccaagctt cctgtctggc tgggtgtggc   360
caggacccca ncccctgcct ttgcgctcca tgggtctagat ctggaacata cccctctttg   420
ttcagtggct tgaa                                                    434

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<210> 3391
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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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cgctgttagg agctcggtaa ggcttctagn tacgctgtag gtatttagct gtatcccttg   180
ctagagtctg ccactagtt gacaatacca ctttccttaa tgtgacaacc aaaaatgtct   240
ccagacaaag ccagcaacct tgggcagtgc agtcttcac agttgagggg cattggcagt   300
ggtttgagct gcttgggtcc aattaagata gagtattgga tccctcaaatt ttgacttgct   360
tt                                                                    362

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<210> 3392
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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 naaanncatg ttactaanac accacanca taaatgtnat anntgntgnc cactntaaag 180
 gaaaaaagan ccaaataaag gcaaaattgt cacacctcta cagtccannc ctctacaaac 240
 gagntgtttg gggcctggtt ccctagtgc ccaagattcc ttacacaaac atctggagcg 300
 taacccttaa 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
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 <212> DNA
 <213> Mus musculus

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 cactttactg atagataact ttcttttccc ccctctcatc tattagaagt tccttgcct 120
 ttgctcaaaa ctacaaatc accaaatact ttacaaatgc ttttgagttg tataacacta 180

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ttctttctgtc cagactcttt ctgccttag ttaacaccct caacaaccct ggtctaagat   240
tacatgttta gcaaggtttc tctgtgtcac taagtaacaa tctagaagga gaatcttgaa   300
aatccattta aattttaaaa aatttagatt tatatgtatg aatgcatttt gcacatatgt   360
atatatgtat gtatcatatg gctacctggt acctgaggag gccaaaa                   407

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<210> 3394
<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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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 gaaataagaa aggctctaac ggncccataa tagcaggggg tgagcgaacg acagttatct 120
 gttaccatgt tacatgccaa actaggcctt gtaggacca gagagagaca agaggtcaca 180
 ggcaccactt aggtattcag atctttatct tctagttgca gaagtctgct tctagcctgc 240
 ctttaaaggc tgtctcgccc tgttttctga aggcngggna gtacgagntc tcacttnccc 300
 nntnngantt ttatcccnnc attagncttt tccnntncat tcagtgccat caccacata 360
 ggaatataga ccactgttt catcaggtac ctgtgctggt actacttgta gctggacatt 420
 tactgggttt ctgct 435

<210> 3395
 <211> 520
 <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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 tataatatca aatgcttagc catcttcaat ttttttacat aaantaaaca ngaatataca 180
 tcntcattag tatgcaaatt nacttttagtc cagtatcant tatnttttat tttatatgca 240
 ttgatatttt gcctgcatat atgtctgtgt gaggttggtg gatctcctga aatgagagct 300
 gccatgtggg tgctgctcct gaaccaggt cctttggcag agcagccagt gctcttaacc 360
 acggacattt ctccagagtt acttttagtct ttaataaaaag ctagaaccct ttgtatacta 420
 aatttatattt aaaataaatt tctttatgat ttgtcagtaa atctttgggt tgcataccta 480
 ttttctctac acctatatgc ccaagtttgc aaatgtgttt 520

<210> 3396
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 <212> DNA
 <213> Mus musculus

<400> 3396
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 ccaaaacctc caagaacaaa caagagaccc tttcactaac aaaaaaagtt ttctcccaaa 180
 gtgctgagaa acatcataat tctagctata cttcagcctt acagtgagga ggactgctca 240
 gactagacac tgttctgtcc ccttggaactc tttatacttt acatagagta ataatactga 300

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gtgattgcat ttgttgtgct gtttccatag tgcacataat actgtgataa tcagtcttct 360
aatgccttgc ctacccttgc cctccatacc cctgactgtc ctgctccatt tgcttgtttc 420
tcgctcctaa tttgcatatg taagagaaac gtgcagtgtc tgtcttcctg catgagttta 480
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<210> 3397
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<212> DNA
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<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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gcttgaaaaa ctcagtacnn aagccagtca tnagnnntg cacatcttta atcagtcctc 120
gggaaacagg cagggcaata aacaaaagtt tgaagcctga ctggccttca gtgcaggatc 180
ttgcttcata aacaaagaaa acactcattt ctgggctgga gagatggctc agtggttaag 240
aatattgact gttcttcctg agttcaaadc ccagcaaaca catggtggct cacaaccatc 300
ctgattagat ctgatgtcct c 321

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<210> 3398
<211> 375
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<213> Mus musculus

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<222> (282)..(282)

<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> (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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ggactttgct gcctgccaag aacttggcaa gatgtttgca gtccttgcca acattgaaag 180

caagctggct ccgccttcag cagagatgga agtgacctca gagacgtggt ctgtttttcc 240

cctccagggt gcagtacat gtcagtcctc tggagttaac tncnatcca 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 ggggggatggg    120
tgttttgttg tctcagggct cgaacccagg gccttgtgca tgccaggcca gtgctttgcc    180
cctgagctac aatttttagct ccatctccct gccccagga tgtttcgagt acactattgt    240
aagctggcaa ggccctaacg gttacccatg ttcggtttgc tcatgcagcg actgtcagaa    300
caaggctggc ccagcacatc gctgtgtccg gtaccatggg tcccgatgtc tcctcagact    360
gacagttctt accaggacac aggctacttc ctactgccat ggtcttaagt                410

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<210> 3400
<211> 490
<212> DNA
<213> Mus musculus

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<220>
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<222> (157)..(161)
<223> n is a, c, g, or t

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<220>
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<222> (163)..(164)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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tgccatgggg acataggctt gtgaataggc tttctgnnnn nannttctga tgtggcttgg    180
ggaaaaaaaa aaaanncagt tctgtctctt gagttccac ctttctagaa tccttctggc    240
caatttccct agtgacctca tgtgttgaac tgttcatggt tctgtcttct cctctctgcc    300
ctggggccac tctcctctgt ccatattgat gtgtatatag gtaatgtcac ccacagatca    360
aaaacctcta agtttacatt tctaccgag cttttctttt gaactccagg tatcttcttt    420
ataagcttta ggggcgatct agaatggcca attggacctc aacttgtacc acctgctaata    480
atcactgaag                                     490

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<210> 3401
<211> 453

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<212> DNA
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<220>
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 <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
 cagctcaca ttgtcagaaa ttccagtcct agg 453

<210> 3402
 <211> 523
 <212> DNA
 <213> Mus musculus

<400> 3402
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 ttttgtagat caggctggcc tcacactcac agagaccac ctgtctgcct cccaagtgtc 180
 ggaactaaag gcgtgcacca ccacacctag ctgctgcaat gacaattaag ttgccagaac 240
 gagagatact taccaagtaa gctaaacagt catatgtatg gttttgaggc gctaaggaac 300
 ctaactttgt acgtatttaa aaccaaccag ttagagattt attgctgcct tgttgggctt 360
 cctgtaaaaa ttttcataaa tcctagttagc 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

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 tcatcaagct ctcacgcagc gccagctgg gagacgccgt ccagctcgcc tcaactccctc 120
 cngctggtga catccttccc aacgagacac cctgctacat caccggctgg ggccgtctct 180
 ataccaacgg gccactccca gacaagctgc aggaggccct gctgccngtg gtggactatg 240
 aacactgctc caggtggaac tgggtggggtt cctccgtgaa gaagaccatg gtgtgtgctg 300
 gaggggacat ccgctccggc tgcaanggtg actctggagg acccctcaac tgccccacag 360
 aggatggtgg ctggcaggtc catggcgtga ccagctttgt ttctgccttt ggctgcaaca 420
 cccgcaggaa gccacggtg ttactcagag 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 gtcaaggga gtagaccaat ggcttctgca agaacaagtg 180

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cccttaacta tgagcgtctc cagcctctgc ttcttaaatt cttagatttt agtgcctgtc   240
ttcatctctg caggggtttt cttttttttg 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 tggattgtgc tcagat                               516

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<210> 3405
<211> 540
<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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<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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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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<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

<220>
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 <222> (475)..(475)
 <223> n is a, c, g, or t

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 gtgtcaatgt acatctgtag tatgtacatg tgaaagtgcc ttcctacctt agcgtttanc 120
 ctagctcttg gactgtggcc cactaggtcc cgcccacttc cttcatttcc agccacgccc 180
 cacagtgttc tgaaaccccc tccgctcctt cccagcctct cccacacccc atcatcctcc 240
 cgtgcctctg tcacgtgcat ctgcgcatcca cgtggattac cgcactgtct tgttgccctc 300
 ctagacgtgn ctgtgccttt ctaccccnc tgtgactccc nncnntntna tccaaccttc 360
 ccacccacag tgccactgcc atcctgtccc ttgntctgta ccgnttctnt ctgaggtgag 420
 gagaaaagtg atgctttttac 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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 ggggggggttc cgtcttgtcc gcactcttat ctataacaac taaccacga 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>
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<222> (32)..(32)
<223> n is a, c, g, or t

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<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

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<222> (82)..(82)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (109)..(109)
<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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<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

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<222> (176)..(176)
 <223> n is a, c, g, or t

<220>
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 <222> (194)..(194)
 <223> n is a, c, g, or t

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 cntagaatgc tggagagaag gncatgagta tcataactag ctagtaccnt natagccaca 120
 atctnaaccc tggggaacta ttccaggaag nccaccagag ttgaatcaga aggtcntaag 180
 ctgagaagtgc ccancatata ctactcacct agtttgcctt tgattgtccc tgtaactctg 240
 agctagtctt gggctgtttg tggcttctgc agtttcatct ttaaaggaag gacatcggat 300
 acatcttcag gccctccctg ggattctgcc ctagcctctc ctctgcagtg ggatttctaa 360
 ctactccaat cttagcttgc tcttctccat aagatcattc ttatgtaaag aagaagaggg 420
 ctggagagat ggctcagcag ttaagagcac tgactgctct tcctcagaga tcctgagttc 480
 aattctcagc aaccacatgg tggcttacat ccactctgtaa 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 cgagctgacg ctgtctccta 300
 cacatctcaa gtagggagtc tgcaggaggg aagccccaaa tgagtgggat gcaagggatc 360
 aaatccacat agccaccaag acttccatga aaaagataaa gagagcaact taaccaagt 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 gggttacagtt acataaaaga tggtcagcct 240
 ttagtatcag ttataaata caattaaaat gataaggaca tgccatgata cagtaaattt 300
 aaaaacaaaa aacaaaaaca aaaaaactga caacaccaag tgctggcaaa gacatggagt 360
 gactggaacc ctcataggtt gctgatggga aggtaaaatt gtgacgtggc cagtaaggtc 420
 atctttactc agttaacta 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 ttcctgcca 120
 taatgcactg caactgtcac cctgcttcct caccctgctt cctcgggtaa atacgtaccc 180
 acgtgtcccc aatgcctcct ctacccact 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>

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<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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aagccacccat taagtgcctta nccccaaata ngatctctat actagcacct ccaaagctca 120

gaggacatca tggaanaaan nattggnagg acagggaggg gtgtgtgaaa cgcaccttcc 180

gacataacat gatcactata gtcacggacc tactgctgct atgggtctcct gcacaagacc 240

aagccggcaa gttcagtgag ctttccagca gccagcacta actggaataa tgggtaatta 300

aataaataaa ggtgaggata tgaagggtggg aaggaggtct tgggggggggt tgtcctgggg 360

gagtgggagt taggagtttg tgtggataca ttgtacacat ggaagaaatt gtcaaagaat 420

taataaaagg gaaaaatggc ccctttttaca agtagatctg tgggtatcctc agagtgggtac 480

tgtagtgcaca 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

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ttgctcttgg ggttactgca gactacatcc ccagcaagca ggcttgggtga taggctgtac   180
aaattctgga gagttaggct ggaccagaac ttcggctcca ggagctctca tacctgtgtg   240
gttggaatgga gctttggggc tttgggtccg catgggggtg ccatgtctta tgactgctga   300
gccagctttt gaggcctatg tttgaacagg cattgtagac tgtgggtgtg tctcaggcag   360
ggcgcctagt ctgaactcac agagaggggc tgtaggttta attaagtggg agagctagca   420
tataacacat acaggccatt accacagtcg atctctagta ctaaaaacag acatctgcct   480
gtctgcctga ctggtgaggc caga                                           504

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<210> 3413
<211> 493
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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<400> 3413
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gctgggtgcat cgagcaagga gctccgtgca gctcaactgc aattttctgc ttttctccct   180
atttctctaa gccctgccag gagcatcaga gaggtcatga gtgggagaga ttttggtcac   240
catgaggttt ttgtacagaa tggcgcgtca atttactgac acacttatct gtgtgcacgg   300
cagtatntga attgcatcag gtcctatcc tctactgcaa ctttgcaaac cgacctcatt   360
ggttaaatcc agcccttctt ccatgaaaag aatgcatcct aagtgttgta gggtcgctac   420
ctacatagtt tcaggagttt agacattttt gcagatgttc ggtgattatt atgacaaggc   480
ctttgtttcc ctc                                                         493

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<210> 3414
<211> 353
<212> DNA
<213> Mus musculus

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<400> 3414
tatgggatat gcctaaagcc ttgttgattt attttttttg aaaacttttt tatagcctag   60
ctgtggtagt gcacactttt aatccagctc tcagcacttg ggagactggc aggcggtatct  120

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ctgtgaattc caggctagtc tgtcttatag agtgagttcc agagcagctg aggctacata	180
gagaaaccct gtctcaaaaa acagaaaacc tcccaactca aaccaagccg aaccaaagc	240
aaacaaaacc caaaacaaca aaacactttt tcataatgta tgttttcatc atatcgttct	300
tcttcccaa atcctctcag attctccca cctctctaca cacgtggatt ata	353

<210> 3415

<211> 419

<212> DNA

<213> Mus musculus

<400> 3415

gcatccaaaa ttccatatct ccatcaattc attagcctaa ggatagggag aaactcccgc	60
tgtcagctaa gaaactcaaa tgaatgatat tttaaacgtc accttttgga ctgtagaaat	120
ggcttagcag ttaagagcac ttactgcttc tctagctgtg ctaagttcag taccagcc	180
ttggtgttg gcagctcaca gcaacctgta accacagttc caggctggtc taatgccttt	240
gcctcccgtg gacaccagca ctcccttgca tgtaccata cacatgatta aatgtaataa	300
aataaatata ttttttttaa aagtaacctt tttccagata tggtcacatg caactctagc	360
cctggccact cagtaggtta agtgggagaa ttatgtgagc ctatatgagt ttgaaacca	419

<210> 3416

<211> 367

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (206)..(206)

<223> n is a, c, g, or t

<400> 3416

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gcctgactgt ttttttttac cttttcttta tttttgaaaa ttgtataatg ggctggtgag	120
actaggcagc tcattgagaa tccttgacct ccaagcctgc tgacctggat ttgttcccag	180
actcagggtg gaagcagaga accaantcct aaaatttgct cccagctctt tctgcagtgt	240
ggatttcagt gcagaataca gaggtaatgc taacatatcc agtttttttg cccccaacaa	300
caattcccta atgtcagcag aaagtaatta tgcacgattg agtcactccc cttattcctt	360
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<210> 3417
 <211> 364
 <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> (130)..(130)
 <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> (163)..(163)
 <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> (195)..(195)
 <223> n is a, c, g, or t

<220>
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 <222> (204)..(204)
 <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> 3417
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 accagagagt caggccttct ggaagcagtg tgtcctctcc cacaaccttt gttcagggnt 120
 caatggagcn tgctgcaggg ctgnccgatc tccaagcaga ggnctcgcn tctgtctgt 180

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aaggaatacc tcaanaaccc aggnaccatg gagtgtggcc ataaagtctg tctgtcctgc      240
accagtgtgt tntgggagga tctaaagggg agtgtcccct gccctcttg tcatttgaac      300
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cagaatagtt agactggatt taancttatc ttgcataat 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 tnaggtaaatt    420
gtttccatgt actaagctca ctgttgatag actatcaatt caaatacgta tatgagtgac    480
tttcaaaaat acgtcagaat ttaaaatgga ttgccaaaat nttctctttc ggattnttca    540
atgttaaagc gcatattcct gatga                                           565

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ggcttaagta gctccggtga cagaagcaca tnacctaagc ctctnatctg agccaaaaga    180
aaggttgggc tggaaggac cacctatgga catcaccttg gtcctgagc taatgagctg    240
atatactgtc tgcttgaga tagtctgggc tggaagctct tctatgtcac aggctgccta    300

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tttgtggctg tacagaactt ggaagactgg gaggtaagat ggaacagtag gacccttccc 360
gttcagaagc acctgcccc a gctcagagggc attcagttac ctggactcag cccttcctt 420
gattttgctt gtaaacaatct ctggactttt 450

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<210> 3420
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<212> DNA
<213> Mus musculus

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atgggaacca caatgtgaca actccagaac aaagtattct ttcctccagc atcaaagcat 180
aagtcttagg taagtattta ttggtgcaga gtgcctgacc tttaatctaa ctaccaagac 240
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gttattggag ccagcag 317

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 ttgctgtcgc canttatacct cnagtnaaag tatcnagtgt tcngganggc cttcntatta 120
 ccnaagagtn ngggaccngg gcccctttgg gaggtgtcag ccgtgnttga ccatccctaa 180
 caatatgtct gtttttagaa tagaaagggg gggaggacca aaaaaaaccc tgacagcaag 240
 atagatacac ttttagatta agaccaacct aatctaaaaa ttctgtttta atcaagacag 300

ctccgtaagg atgacgcaat gtttgtcaag cttttctccc tagaacaata tttactccca 360
ccaggggatt taaaacttaa acaacagcca tttatcttgc tgtctggtag agctgggttc 420
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taaaattgtg cagctctaag attagctcgg tagaactgcc ccgaacatcc atacgagttc 180
cctatcccg cccgggacaca ccgctgttca gnggggtgggt tgctaagatc agtatgatcn 240
gngaggtccc aattggggga tcctgcngct aacttacaga tgtcaggngt gagatcaggc 300
caccaagtcc agaggggatg gactgcagtg gttgcccata c 341

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 ggaccngcag gattattttc tncaggtggt gcattctagt cagatatagc tgannnnagt 180
 cagagagagg acttcagaat aaaaggaagc tttctggagg ttagtcctag ctcatttgga 240
 aggctccgaa atggctaagc aaaattcctt ctctttccac agtatttact ggcacagagc 300
 tgtctccttc cacaaccaca gngactttta agagaaagct ctgggttaac ttctcagtag 360
 atcaataaga naagagcaca cttgtgctag ggtgagaaaa agatngattg tangtagtat 420
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tcattgtctt tcatgtattt 500

<210> 3424
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 <212> DNA
 <213> Mus musculus

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 atatTTTTat gtatttattt gatttgtcgt gtattggcag gaggaggggg taatacttca 180
 agcttgtgaa tttcatatac ttgtagatgt tcagttctgc tgttacaatg gagaagtgac 240
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<210> 3425
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 tggggcangg gaggtgtcct gtgaacctcc aggtatgcga cagccgctct aactcaccaa 180
 gtgtcagcgg tactttctcc ccgcgcttca cagaatggct gtgctgatag ccctttgaag 240
 ggtggcacca gctccatcat taccggaacc ggcttccact tgcaaggttt tttagtgacc 300
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 aaaacagatg tgctggcaca tgctgtaat cccaacacgt gggaggtaga gacacagggt 180
 tagaaagaag ttcaaggtaa tccttggtta cntagtgtgt ttgaggtcag catggattac 240
 acaagtttct caaatacccc gcaaaaccaa aacaccaaac aaaaaccctc tgtcacttac 300
 ttgctatctt agggaaaaag ttcaaactctg ctgagtgact cagactggca tggagtggcc 360
 cctgcccact tgtgatcttg tcttagccat tttcctgtta gttctctgca cagncattca 420
 tcttgtcagt ccttggactt ggctatgcct ctctccattc tcattgccct caggncact 480
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 atctgtnnan acncagntgc tcataaattt aacaacanga gtacnngcna gttatttntn 180
 nnnnnnnnnn nnnnnccagt ccaagtcnna ntgtgctcag ataggtgtat ggnngcagag 240
 catcctggag accttntata tgnagtaata tgggggtggtg anctgtgata ggcagtccgg 300
 tgccctggccc agctcaggct taaaacccca gtgaccncag caggtgnctg tcacctgcaa 360
 ggaacagcag gcatttggcc atgccccttg agctcctgtc acgcagttnc agcctccac 420
 gatgacttct gccccagaga gctcagtggc catcagtcac ataggagcag tgccaagccc 480
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 <223> n is a, c, g, or t

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 ttctctaga gaccctaggc catctcttta tcattcactt tataagggtt attttacctt 180
 aatgtacgtg tgtgccttgt actatatgca tacaggagcc ctctgaggca ggtgactgtg 240
 tggaatcccc tggagctcaa attacatggc tttgtgaagt ctctaaaaat ggatgctggg 300
 aactgaactc tggctcttctg ggaatgcagc aagcaccctt aaccactgaa catctcccta 360
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 cctctaggtt ttggtgaaga gtnaatacag aacacatgaa ctagggaaaa aaaaaaantc 180
 ctagattcta angacccgca agtcgcagca catcataaac cactcttcac atcttcacat 240
 ggctcctttt gggacaggaa ggaagttgta agaaatcttc aaaggagata aatttagaaa 300
 aataaatgaa aatagaattht tggcaaactg atcactctta aacaattgaa cttgttgaca 360
 tcaaatatat gttgtaggac acatttaatc acctcccagt acagttttct tttccattac 420
 tctttctctt aaatatattc acttattatt tgcttctctg aagattatag cattatthtg 480
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 tgacaagcnt ctcaagntan cctnactg agttnttgnc catgcatcca aagatggcnt 120
 tcatactcan ccaacgatga cttcaaactt ctgactntac ctgctccac ctcccaagtg 180
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 tgccaagtag gctaagatgg ttgacatctt cagacatcct gtagctcaga ccaactgagc 420
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 gcccgctgaa gtggctcaga tgtgcannnt ccgccctctt atcacattac catcaccac 240
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 ctacccttgt ttcattacta aacaagctgc aattagtagt atttgggatt tgggaatcct 180
 taggagatga agtcaaagt tattttatcc naaacctaga caacacattn aggtccctaa 240
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 gggtcnagc gattgaactc nggctgtng gcttggctna ggcaatacct ttaccactg 180
 aacctttttt gttgtcccta ctcttacttt taaattacag ctgacatcac atgcaactaa 240
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 gattttatag tgtaaaatgt taatgtacac tgagcagtgg tggcacacac ctttaatccc 360
 agcactcagg aggcagaggc aggtggattt ctgagttgga ggctagcctg gtctacaaag 420
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 agcgtcttca tgacacaata tgttcgaaaa agaataccaa agcatatatt ttaaaagttc 180
 aactaacctt ttttaaccaca atgccttgctc tttgcttaac tctacaaaga gaagctcact 240
 gttttcaaca cacatcactt catcctgtcc tctgactatg tgagacacct gattaggcaa 300
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cccaccttca gaaccttccc tagtcagggtc agcaagggtcc aagggtacaat cccagttaga 180

ggtcacaagc tactctccaa tccagacttc caaaattatc tctgcatgct gaagctcagc 240

ttaattagct gggtgacctc attaatgttc gaacttcagt tcggggagga aaaaaaagag 300

gtcacacacc tacctaattt actacctcga atttccacga gcaaaccacc aacttcagat 360

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 accccccagc agctctctgt gcctccaacc gatggtttgt gtggtttaggt ggagaaatgc 180
 cttcaaaact catctgtctt cctcacacca ttgcnacta atgctggaca aatatttata 240
 tcctacaacg ccttttaact gtgtctgaac atagggtaag ttagaagtca gagtacgtca 300
 cggtgaagaa agtttcattg tgtgacaata accctgcagt aaggactcca gtctctttct 360
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 agctctgttt agtagtggtt ttctcagcac atagcttctt tcctgcaggg aggcagtgga 180
 gagggaggga caagcgggat tgcccttctt gtcactgccc tggcaaactt cttcaagtta 240
 tgaggtcctg tgccctgaag tcccatgagc accttggtgt cgcttccatc ttaaggagct 300
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 tcaaataanc agacttnaaa aaggaaaagn aagctgggnc agtggtggcg cacggcttta 180
 atcccagcac ttggaaggca gaggnacaggt ggatttctga gttcaaggcc agtctggtct 240
 acaaagtgag ttccaggaca gccagggcta cacagagaaa ccctgtctcg aaaaaagaga 300
 gaagagaaga gaagagaaga gaagagaaga naggagaaga gaagagaaga gaagagaaga 360
 gaagaggccc tgttctatat gtatctcaag actgccttta acctaaccgt gaggctgagg 420
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 acttcagtct gtttaaacgg aaaaaaatat ttgataccag gtctttatat atatatataa 180
 atatatataa aagaatagtt gtctcaagag gaataaaatc tggagtgtaa aaaaaatggt 240
 aaaaaaaaaag aatacttgtc tcactttata atatttttta aaggaaaaaa gaaaacgttt 300
 ccnatagctt ntgtgttctg tganctctca cttttnnacc tgnagcantn ttctgtagca 360
 tgtcccnag catnagagna actngatggt gacnatnatt tttgtgcca ttatcaggct 420
 ccagtnatct gtgagagggg ataaactacc ttgntactaa cttaggcctt ttgtgatcta 480
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<400> 3440

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ccctgaaatg ccccccaatt ctactcattt gtcccagtat tttctctctg cgttaaaaag      180
nancgatnnc tcctgttccc aanncnccaa cgctcccata cccccacca agaaatntat      240
ttcccctttc caggagatc catgtgcccc caacccccat ccctcctcgt tgcttagtct      300
ctcaggttct gtcgactata acttttactt tacagctaata antcagttat gttangtaca      360
caccatgggt gtctttctgg gtctgggtca cctcaagatg atttcgttct agttccatcc      420
a                                          421
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<212> DNA

<213> Mus musculus

<400> 3441

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acataacaaa tactatatga gctttttaa atttctgaag atcatgggtg actcagttaa      180
cctatgtatt cacaactggc aactttaact tattttaact tcaaacta gccagcaaca      240
tgcagcaggg atgctagggt atgtaagttg ttaatggggc aactaaaaat aaacaaacag      300
ccaaactcca tgcaaatata tatttaataaaa aaatatttag aaaagggtggg cttacaaagc      360
ttttgatttg acattaataa acaataagag attttagaaa cgagtctgaa gggatgggtc      420
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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
aatcgagta tatgacagat actatgcagt tcaaagtgag ttagcgcctt caatgattgc	360
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 ggccaccagc ttgctgcttc cttatgcctt ctaagaagaa ggtcataagg tcactatgaa 300
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 tctgattatt ctcacttctn nnanttatgt ttnantcnna tgtnnatnan acagnaaata 420
 tattntntta gnaaatngta gttnatagac ntgggtgaag tggcatactc agantcccag 480
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 tccaactgca acattgttta ggttggtccaa agtctcccac ctctcccacc ttccactcct 240
 tctcggcctc taataactac cactccactc tgtacttcta caatgtcaat tcttttacat 300

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 tcgtaaatch ctgacttgtg tttgggaccg gctgggggtct gcaagagaat ggtacatttn 180
 tacagcccac tgtgaagtgg ctgaatgaca ctcggtctta acctctctgt gtttgtttcc 240
 ttgtcgggtc agcaaaagta gcgtgcagca gttgccncag cacatggcct aacctgtgtt 300
 atnttataga aaggaggagg ctctgcagca tgggtgacttt ctggactttt agcccagctg 360
 attgttgttt tcttgtgggg aggaagtctg atccacaggc tagacaaatg tttgtgggct 420
 ccctccctgt tagcattaga ctttctgtct ctgttcaaga agcaacacag taaagggagt 480
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<210> 3446
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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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 <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> 3446

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ttacatTTTT tctctcctaa tcanggttcc ctccctctct atcattcctt gctttcatta	120
tctgcactta acacccatcc ttctgtaatt aactccctgn ccacagtctc cngcgcttgc	180
attgctgncc attatcatta cgttcagtca cagctactag caggggtgctt ttgaataaat	240
ggatatttgt tgattaactt aacgctcaag caaatgttgt ggctgaaact ttaatattct	300
atatgcatta atattgatgg cattatgctt aaataccctt gaaattatgg ctgagcagat	360
gttaaataata ctggtgactt gtggctccct atacttttta tatatgcaga aatacataca	420
gacatatatgc ttctctgaga ttaaataatt tgacatatat ctgaagtcta tgtaggccca	479

<210> 3447

<211> 420

<212> DNA

<213> Mus musculus

<220>

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<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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attccagttc cattactcct acctaaattg gtcactccta agatatgcat gccactactg	180
cacccttgag aggatcatgc catggtgctc atgttttggt tcttaggtac catcgattgg	240
tntgcttggt gnttgcttcc atcttttigna gcctgcatgn ctcttcttgg tgtcagaaaa	300

tgtagtcctc aaagaggagg cattcaggca attctaaaag agtggcctct gggctctgtt 360

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<210> 3448
 <211> 397
 <212> DNA
 <213> Mus musculus

<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> (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 attctaccn gctggnntct 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
 agagtgacct acacctgaac cctgagccag tcctaccctc cggggctctgc tcattatagc 60
 ttttgctaga gcatacctgt aagcaggagc tctctacctg cccagcggtt gggagaagcg 120

cgggactccg gaggcagaag gctgcccgt ctccgggtgt ccaggcgctc ttcccgctcg 180
 ccatccccag ctccccagc 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>
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 <222> (275)..(275)
 <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> (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 accccccccc ccatcttatt 120
 tctgttgaca tgataatctc tagttctatc aaattccctg ccaaggacct agtttcataa 180
 tttgctgtga ctgaatactt gacnatatct atttaccatg ttttctttct ccagtcattt 240
 actgatgggc attaagctaa taccatatcc tggtngtagt gagcagtgatg atnataagca 300
 gatgcacagg gatctctgtt ntcttagagt cactctgata caaaccggga agtgcttttag 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 gagtgtgggt tttctcctag 120

ggtaggaaat gtgtgaagtt tgtgatatgc cttatctagg aagacctttc ccttcctcac 180

agcctgcctg tgggtggtgtc tacaagatac tgaaatggac gaantccana ctccctccca 240

ccccactctg cccccaaagg atgaaaaaaaa tanaatgatt cctagcctta gttgaagatt 300

actttacagc atcctcatag ccattcactg cttagaaaca ttgagcacct actgtccgct 360

tgggaactag aggctccaca gtgagtgaag gggcttactt acatagcgct ggggaggggt 420

gggaagtaat cgagagtata ccagccagct gggcaacctg ggggtgtcagg 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

<220>

<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 acgaaccag cactatgcct atccctcctg gaagcctcct      120
gtattttgaa aacaccatat tggccacatt tattaaagaa aatcaaaatg atcaaagtat      180
catgccggaa gttgtggagt gacagtgaca gaccccagat gcagctcaac ccacactctt      240
caccacatca agcaccactt cccaagagtc ctcccgtgct cctgcccacac ttggagtagt      300
tgactgctaa ggagaactaa gagtagaacc ttctggaaca gaatctcctg acaccatatt      360
tattcctcaa tgctgagaag taagggactg ttacaagaaa aaaaagacca aaaacaaaaa      420
aaccaaaaca ttctcagctt cctgggttga cgnaaaatgt gtttactatg ttgtctgtga      480
acacaaatct aggtatgtgc tctttgtgca cagagcgcct attcagc                      527
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<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

<220>

<221> misc_feature

<222> (457)..(457)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (497)..(497)

<223> n is a, c, g, or t

<400> 3453

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ctccccaact cactaactgt attttttttt ttaanncttc atttctttgt taatgtgata      60
gagaaactat attccaatgc agttcactgt tataggtttt atggtattct tctcataaat      120
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gtgtttgtat aaactcaaag atgttcatga aacctcacta cccaaatcga ttcttttctc 180
taaagctcgt tggaatattg atggctgata atttacctgg gtaagagaca catacacttc 240
agagtctctt atatttcctg aactaatttt gattagtaaa ttctcattct tcttaatgat 300
gttgctcacag aggctgagga cccagcttct nagcaactca gtggttcaac acanncctag 360
agcatgcatg aattcctgag ttccatccac agcattggca taaagagttg tcaactgggac 420
ttaactgctg agagatggct cagtgggttaa gagcatntcc tgaggtcaaa tcccagcaac 480
cacatggtgg ctacacacca tctgtaatga gataagcttc ccttttct 528

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<210> 3454
<211> 478
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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
tgtggggggc ttctcattga ttttaaaggc tacccgagcc aataatttgt tgatctacag 420

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atatttgact ttttgttttt gagtaactaa ttgtctgcct gaaactaaaa tccggttc 478

<210> 3455
 <211> 464
 <212> DNA
 <213> Mus musculus

<400> 3455
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 gttgcataaa taaccagcc aggaagcagg ggctatgaaa aagtctaaca gagtgataaa 120
 tgggtcttgaa tatgtctgctt atcacacctg gtggagttac aagggactaa gtggtcactg 180
 gaagatcctg gtgctggcat gtgccatcag cagctgcaga atctgttacc tgggtcatgt 240
 gtcacccatt cctcagtaac tttctttcac agtgttcttc tgaaacactc catctatccc 300
 atggggacct tttctgctcc atccagattt gtcctccttt catcatgtaa tcagagaaaa 360
 agatggctct cagaaaacaa acgttacctt taaaatcaaa cttgatttgt atataacttt 420
 aaaaaagcaa atactctgtg tgtcttctac acttatccac ataa 464

<210> 3456
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 3456
 gcccttgggt tcactctttg tggaaagtgc taagttttgt acctcaaagc atactaggtc 60
 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
 atcctcccc cccccccact ggctcttcc aagatgccct gcggggctga gagtccagaa 360
 ctcacagcca ttttttctcc ctccacagtg acttcttgat tcccctctc 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 agccaatata 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 ggtagctag	180
tgagccctgg ggctcctcct gtctgtctc tgcctcccc acagtggcat tagacctgt	240
ttcttttctt ctgacatggg tcttgcgat tgcaaaaagg tccccatgct tgcaaaggaa	300
cgactttagt gactgaacta tctccccagc	330

<210> 3459

<211> 399

<212> DNA

<213> Mus musculus

<400> 3459

aagctgtaga actggctcat cggataaggt acttacactg caaatgaggc ccagaatttt	60
gagtttccag aaagccaaaa ggctgagcag ttctggcagc tgtctatagt cccaggcctt	120
aggaggcaga cagacttcct gtacaagtgg ctcagtggga ttggtaagct attggctcac	180
agagacccta actcaatcaa gtggagagcc atagaggaaa agccttactt cagctctggg	240
ctccacacc ttacacata catgttcacc cacgtgggaa cacgagtaca cacggcagtt	300

agagatTTTT tttttttaat ctataaagga ttttggttgg ttggttttga gatggcgtct 360
 cactgttgcc cacgatgttc ctgcttcag ctcttgagt 399

<210> 3460
 <211> 431
 <212> DNA
 <213> Mus musculus

<400> 3460
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 ggatacaaac aggtatgagc tgccatgtgg gactgagaa ttgaaccttg gatactctgg 120
 aagaagtcag cgctcttaac cactacacag tacaccatct ctccagtcct caaagaccag 180
 taataatgaa actgaactac ttaaaccaaa acctcttttt aattcctaaa tagcaataca 240
 ctattagaca gacaagttgt tctatctcag tgcctaaaac ttttttgtaa aatgaatatg 300
 tattaaatgc tcagagctat tttcctaaaa tggctgcaca gcacggtggt atgcaagggt 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 tacttttggtg 120
 ctatgtgggc tgcagcattg atggaacaat agaagatctt gtcagcaaga taataccaag 180
 catttgaaaa ccatctgggg caaagtcttg aaggacatgt gcagcagata ttagctctgc 240
 cttgtggctg gggaagctga catccagagg tatttttagg aacttccata atgttgcttc 300
 actaggaaga tggccaagat ggcgtttgct cctatgtaaa atgcctttga gagccatttt 360
 ctctccatca ccatactgt aaataagaga gcgcgcatat gtgaggaatg tgggtactcat 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 tncgtctctc aagatcttcc 120
 agaagtgaac caccacagac ttgatgctcc agctcaggct gggatcacat tcctgctctt 180
 tccactaaag ctcaacatgc aactgcagca gcgggactgg ctctgttgga gggggcctat 240
 ntacagttct nccccctgag acctgctgct tctgggacct gttctccaca gaggaccgtt 300
 cttccttgac tttggggacc tcctagagct gatgggttata atctctccca atctttcttg 360
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<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

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gaacgtgctg ttttccacat ttcacaccca ctcgccaaac ttttgataca atgggaagcc      60
ttctgaaatt gctttaaatn tggatctntc tgggtgtagta agtaagnttt gtttagactt    120
aagagtcttt catagaaatg gattggtaac aacagtaaca atcccacttg tgaattaatt    180
aacatcacac tgctttttcca cctntgctgc ctggcaagtt ttgtgtagct tgtttggctc    240
caatgactca tccaagaagt gagatgaatt gattatattt tcattttaa tttatttagt    300
ccttgaatgt actaggaata caatggcatt ctcatccttc ccaacctctt tgacaggaa    359
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<210> 3464

<211> 334

<212> DNA

<213> Mus musculus

<400> 3464

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tgaagagtga gcggtggaga aaccagcggg ggcggcgggcg 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
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<210> 3465

<211> 278

<212> DNA

<213> Mus musculus

<400> 3465

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tcccttctta attccgtaaa cacagtcaag ccattcttag cagcctcatt ttggtttctt      60
gattatttgg ggattcacc c attagacat aagcctcttt ctcctctgct gactgggttc    120
tgtgtctctc catagctcag agcctgagcc agcaccgtgc agagttactg ttagtgtgcc    180
cccgtgccca gttgccgccc tgaaaaacat tacaatgtta catgactgtg gattaaaaac    240
agacgctgtc tgcttccac atgtacccta gacaggtt                                278
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<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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 taaaactgga agaannnnca tgaactacca atcaatagtt ctagtattta acccatgtac 120
 cactccatag ctctgcatat ctgcattgct catgccttac taatctgcat attcttgtgt 180
 tttattttca gggaaaagca gtatgacaat atagcaatth acaaaataga tgaattaaaa 240
 tagaagatca ttttttccat aaatctgagc ctgtagagct ttcttaaaat tttattacca 300
 aaagaaatca gcatagatgc agcttggcat gtggatgaat gtgcttgccc accc 354

<210> 3467
 <211> 220
 <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> (39)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (170)..(170)
 <223> n is a, c, g, or t

<400> 3467
 tactccagct ataagctttc tgggcagaga aaanctggna attgatattt tttatatact 60
 ctgcataaca gacatgaggt accagtgaag ttatgcagac cagtacctgg gtcaatatga 120
 tttaagtgaac ttgaactggg ttcaaactct gtctttctcca tgatcactan tagctgcctc 180
 catccactat gaagaatata cttaacagtg atcaggtggg 220

<210> 3468

<211> 304
 <212> DNA
 <213> Mus musculus

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 atatttgtgg aataacaact ggaagccctg gtgtcatttt tttttaaaaa gttctctctc 180
 atttgctgtt gatgtctcac acttcagcct tagactttcc tggaacttgc tgagtagccc 240
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<400> 3470


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cacgggaagc aagggcaggc accccgagga accccgaggc cactgaggaa ctctgcttat      180
tcgcctgtta agctaacttt ggtatacacc acagtgtata acaactatca tgggatcttt      240
ctgccccatca tgggctgggc ccttccatat caaacaacaa tagagaaaat gctcccaccg      300
acataaccac agagccagct gatggagaca ttttttaact gaggtcctnt ctttccgagt      360
tattctagtt tgtgtcaagt tgacaaaacc aaccaccacc ctgcgattat gcctactgtc      420
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agacgtggaa tgtcactcga gaccaggn tatctcaagc tctcatttag nccaaggctc      180
agcacctgga ttctctactg cctccctgtt ctctcgactg ggatcgggtcc gggctctgcta      240
aaggggtctg aaagctcccg gaactccagg taaggggtgc ggagagcagc gggaatnggt      300
gtgtggctgt gctgggaatt aagccgttta gaatacaaag aaaaggagta aaagacagaa      360
atcaaagata atttcctcgg tgacaaaaga aaaatgttcc gactccgccg ggactcgaac      420
ccggaacctt tgaatgcctt cagcctctag aagtccaatg cgctatccat tgcgccacgg      480

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524

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ctagaactct gttcacagcc aatctgaaac tttaatattg agccttcaat aaattctgga	180
tagagaaatt gattttaaaaa acaaacaaag tgtgtgcctt ggggtgttctg aactaatctg	240
cataaatacc anactnnaac tgtacatntg ataagaagat cnatgtataa ngtagctgat	300
ttaaacaaaa tagttctant nccttntntt ctgaactgga agcccatagc aatgcacaac	360
ctaaagaaac aaagcccgac tggagaactg agtgctga	398

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<213> Mus musculus

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tagagttttc ctgtatcatg gcggatctgc aagggtccac cacggaagga atcagatttt	180
aataaggctc gcaaaattag gttttagttg ttgtgcccag agattgagtt acaattgttt	240
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<211> 536

<212> DNA

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gaacagaaca agcgatagga accaaagcct taccaatgag aagtgggtccc atgtgtccac 180

ttcaagaaag ccaaggctac attttaaaac tcagcttctg catttcaagt agaagcaaga 240

catgatgatt taagttgcac aggcatgcct ccaaaggcct catggaatct ctctnagaa 300

gtaagttntc ctaggatgac tgaaaatttt cttagatgac acacacatac ctctattgct 360

cttnccttga caagacgacn aaccaaagag atnncctctg acctcngtat ttcagaatcc 420

agnanacant gaancaganc ctntgagagg cantcctgag ggggtggaaa cctggattnt 480

aaggaccatg cccatgcttn tcaggctncc acaatcatga ggatgcttta agctgc 536

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<212> DNA

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 cttgaccatg accccactct gttgtgtgtg tctgggncct tgtgcctaca cctcctgact 180
 ggttcgnctt cagtggnttt ccaagntctg naagacnagg aaacatttgc taatcactaa 240
 attcttctgt gattttctca ttccatggct gtaggtatct ggcccaatgc ttcttcttgt 300
 ggctctcttt actgcctcca aannacacca gcttccactc cctgtgcctt cctcatacct 360
 tcagacctat atgcagttag tgttctggcc actgngctca atgggagctc cacagtactt 420
 gctgatgaga ncacctcaa caggtggcca ctatgctgta tgtcattcat catgttaact 480
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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 agaatatatt tccacccgcc tgtccctgta atctgctgag aactcagata 480

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 ataggtggct gtcttagtta gggttttact gctgtgaaca gacaccatga ccaagcagaa 180
 ccagagagga ccggttagag atctgcacag ctgagaagaa gaaagggagg aaagaaaggt 240
 ggaatctcca tatactgtct ggccctatag cctcaggctg gctggggatg ctctgccat 300


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ggcacactgg ccttggataa actgncccct gggccaccat ganacagcag cnagtnccac 360
ctntgancac atgccctaag tgtntacnta tgtcctgatg agtcacccag actnctcacc 420
cactaccctt gnagtnnatn tgctgggtcc ccagcaactt ggtatgattc acccttggtc 480
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 gctgaatgaa gtctgaaaaa ataactttct acccagtaat aaccattatt tccttgact 180

atcacccnta gaaggaatca gtcagaatat atctatctgt atttaagggg tggcaagctg 240
gtactgtagt tagaacnanc nanccaaccn nnnntnnct tgaaccant gtgaaccaga 300
gttctnatch ntcagnnncc cagataaant gantgagtag gcttggcagt ctgcttnnaa 360
cccaagccca gaaggtggag acagatgac cccagagnag cctgttagcc aagacttggc 420
atgtcagtga gctcttagtt tgaccaagag accctgtctc agtgagtaag gtggaagagc 480
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tatgggcagc actatcccta gggaggagga cttgggnctc tattagaann ctaccngggc 240
atgagnccag tgattgagcc agcattcctt canggtttct acctcaagtt cctgccctgc 300
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tgtagaactc tcacctcctt caacaccatg cctgcctgga tgctgccatg tttcctgcct 420
tgatgataat ggactgaacc tctgaacctg tcagccagcc ctaattaaat gttgtccttt 480
gtaatagttg ccttgggtcat ggtgtctctt cccagcactg aaaatgataa ctaagacgtc 540
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cattcctcgt ggctttgnat accctaaacc tatgaggata tgtggatcta ggctgtagaa	300
tctgcaccga caggggcctg cgcattctcan aacngtgtac actcagggtta caggtgnttg	360
naagaantgc tgccaatatc atagnccacc aagaactcga ggaggcntgt acctaaagaa	420
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<400> 3481

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gaaaaa	acatt	acctccctgc	tatgtgtacc	caacaggtaa	ctcattgtta	cttatattaa		180	
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cctaataaaa	taccatgatg	ataaagtc	at	caattactag	tccatctatg	ttacatntcc		300	
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tttccacaaa	acactttgag	gatagaccat	tattntacat	catnccttct	gtcagtnacc			480	
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<400> 3482

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gatgtgatta	agtatggtga	cagcagcagc	cttcacatag	ctaagagtta	gcactaggac	240		
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aacacagata	ctgtacaata	gtgtgagaga	ctatgaaatg	gcaatacttt	tttaaaccac			480
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 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 cngaatatcc cttttcataa 360
 atanttgctn ccacagggna attaagtttt catatagaat aactagtttc agtagtaagc 420
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 actgtggctg aataatattc cattgcattn ccttagcaca tctcgtttcg cttctccatc 180

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ccatngcagg tctgaagtgt ttcttantgc gtgatgcaaa caatgctgct atgaacacgt    240
gtgttcaagt ctttatgcga aagtgtttta catagtttat gtacatagag aagagtact      300
acttccagac ggtacagtag tttaactgga tctgaggagc tgcttttgtg tcccagagccc    360
ctgttgacta cctctgccct gaggccctgt ctcagctgat ccttggtttt tcaagtaggt     420
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 ttgttaggtg ggtgaaatgg ggcctgagaa ccagaggtat agattcctca gaaaaaantg 180
 tcgttgggac ttgagtatgt gtaccttttg agaangggaa aggagggaaa aatgacagga 240
 ttcttcctgt ctcagctgaa attgtgggag cttctccgat ttggagaact aggcaaattc 300
 aagtctgggg aggccatcag cagtataatt aagtaagaaa caaagggtccg aaaggcctaa 360
 gtgggggact tgtaaaaggc agctngccgg nccggaaccg ggangnntct ggactaaagn 420
 tgntgatttt taggccattg tggttgaagg cntnaggctg attcccacaa gacatactta 480
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ccaaagaata atcttggtgt tgntgtctca caaaggaaca tgtgaaccaa gcagaagtag    180
gtcagtgagg cacttgtttt taaaaagggt cgtaagaacc cagactgggt gggcaagctn    240
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atggaggtga gggaaggggac aaagcantcg ttacatnaaa gtttgattgg gtgggaatat    420
taaagcattt atataaaggt ctacaaggga aaagataaaa agatttgcat aaaagtctta    480
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<210> 3487
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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
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<210> 3488
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 ggcacatcttc ttgaggagat atgcagtaca caatttgaac actagtaata ctcaatttcc 180
 atcctcctgt ggagaattcc ataaatctct gattagtgtt tgccctcttt ggaataaact 240
 tctaattgat atctaaagat tgctgcttgc aaattaaatt acacttctct tntcctttan 300
 gnnaagnnac atcaccagaga cacttctcct gagcacacat tcctcctctg actctcaggc 360
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 ggacccgctg ttagaccctc agtgcccatg acataggcca gatacacctg tctgatagtc 180
 cagcactggg cgtgtgtggc agggagcaga ctttgngacn ggacagtatc tttcanctcc 240
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<210> 3490
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 <212> DNA
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 <223> n is a, c, g, or t

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 ctaagtggct ggaatgactg agacaagcag gatgctgggc ttactggaca gcctgactaa 180
 tataatctgt gatttctgag aaaagacgtg actctgtctc aaaactcaag gttgacagct 240
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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 tctngaccn acggtggcac 360
ctgcataact tcgctatntg gnctgaatat tcacnaaacc tttcgagcag ggtcctgtgt 420
atagaaacac ccttagcagg atnccaaant cagacnggct aagtttcttt cgtgtattct 480
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<223> n is a, c, g, or t

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tgtgttttcta aaatgcttgg ctggtttgcc ttaattctag cctgtcccct ttattctcag 180
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gatttttttc tcagaaatgg ttatccttcc ttcttaaatt gtcagaagcc accagctcca 300
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tccccaccc 429

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<210> 3493
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<213> Mus musculus

<400> 3493

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ctcacaataa gttgggtcaa ttttggccca ttcctcctga cagagctggg gtaactgagt     180
caggtttata ggcctccttg cttggacatg ctttttctgt tctgcccaca aagtttctat     240
aggattgagg tcatggcttt gtgatgacca caccaatact ttgactttgt tgtccttttt     300
tccatcctca tgatgccatc tattgtatga agtgcaccag tccctcctgc agcaaagcac     360
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<210> 3494

<211> 526

<212> DNA

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cctcacaagg ccctggaaga ggaaaagacc tggccagcta caaagccaaa ctcatccccg     360
gggctggact acgaatgtct gtggaagact ctggcctcca gttaaagaca aggcaaatac     420
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 ganccagagg gnagnagang acacngggaa aacaaggcct tctggatcag gatgcaggaa 240
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 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
gggtctcagag aaacacagga ggcaggctcag ctacagcagc aaagtaactt agacttagat 300
aagtaaactt tttattatta tacagcaact ctagatatct tgaaagacag tcttaccctt 360
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459

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cttcantttct acanttttcc ttcgtggctg aantgnaaat gactttggag agttgaccct 180

nnatgaancc gctnagctan atccattnnt tanttttgct gggttgnata tctgttccan 240

agatgactgc tttgtgtgac aacnaacggt tctactntac tactttcagt tggatgcctt 300

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<212> DNA

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ctgggtgtct gcttctgggg gatcgctttt tttcagatcc agaatctgtc tgtctgtcta 180

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 ctgtggggga aattccctga ggaagccctc tgcacagggtt gtcccttctt ccaaaaccca 240
 cagagcaaga gccttcccct cagggaacat cagggtctgtg caagcttaag atgctttttg 300
 cttgtactct gccactcttt gaacccttct cattcagctc aaggactgtc actgatgttc 360

ctcccatnt catggtcatg cctcatgtgc cccctgccca tgaactncct ctcaacagac 420
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 ccccaggtag gtgctaagcc tgtctcgtac tcttgagca acactaggtg caacttctag 240
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 tgcacagggt tttagtgatc tggagagaag cacttcttct acgccaggaa tgggggtctcc 240
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 tttcattttt aaatgtninc ttcntcttt ttaatnaann ccttggacaa agttaanatt 480
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 cagaaaggca cagcccttnt aatcaccccc cantaggcca cctgggtgctg agggaattct 180
 gctgccttct gaactgggtc acacagtaca tgctgatgaa gcaagcctcc caggaattat 240
 cactaggaag gctgtcctga tgaaaagcaa tgaagcatct tgggtaatgt gagtgtaatc 300
 tttgagtgac attcagattg caagttagat acttntgcag tctgaggatg gaatgactac 360
 tgatgcctct tcttattcaa tcttaatagt cnagcaaggg ctttgggaaa gttaacttct 420
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 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
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 tataattatg atattaataa tagttattat ttaaaaccac atttggagca agtgggttga 180
 gcaaacta aggctaaaac ttgagtgtg tgcacagtaa gcaaccttca cagtaagaaa 240
 cctgctctct gccctttcca ggactgcaga gtggatttga agttgttcac actgagatga 300
 gccttggtcc 310

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 aacacctcag ctcttttagct cactgggtccc atctatccct gctcagagat gagccagtcc 120
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 aatcatttgt cttattccta ctaatagctt taaattcaga gaacaggctg gtgggattgt 360

cagtggcgta ctccctcca tgataaaaac ncactaacag cataaagtac ttgctgtaca 420
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 gcagaaatgg aattaggcaa tgcaagagtt ggagcagtgt ttgcttcctt gtaattcaag 180
 tcattaagcg tcaacttagc caaatggaaa aggcctatct tcttcactcc ggtgacagga 240
 aatattatct tcctagagcc aggggttttg acatgctcca cccccaatc tgactcctgc 300
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caagaagaca tagatgccaa caaatcagat gctnaaagct gcaagaaacg gatcaaaatt    180
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tggaantnc ttccagaaca acagctgtct gtggaagatg taaccacggt gatgctatgg    300
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tgacaggttg gtagttactg ataggaatta atctcaagtt ctgggatata acagaaagca    180
agtgtgcatg tgttgtgtgt aatatatctt aagacataga aaaacangat cacaaagata    240
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ccaaggctta gtggatacag ccattccggt tttcactttg aacatctaga acaaagaagg    420
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gggtgtgctat cgcacagatg aggaggagga cctaggcatc tacgttggag aggtatggag      180
aggtgctgca gcaggctttg gcacaccgag cccagagct gttctagtcc agctctgtgg      240
tctttccaca aagtctttcc aggctttagg gctgcccaga ggtcctaact acccactagg      300
tgtcacagta ggttgttggg gtcnagncca ggntgnctnt ggtttcagta tatccaagga      360
gacancctg ntgacctgta cncagncatc naggatttaa tgggnccac cttctctccc      420
cattttcttc ctttggcag angtctatgt atgctagcac tntctacta aagctactct      480
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 gtccagtgtc gaacccgagg cgcactgagg aggcggagga ggaggcggcg gcgctgtttt 180
 caccactcg tgttccctga tgactcgaa accttcaggg gtggcaagga gtgggtggga 240
 aataggggag aagtggcgct tttggtggtt gaaancgaag gaaacttnga ctacngagga 300
 ggaggaggct gtnggcattc nncntnctta gtaaaatcan ccctttcttt ngcctggaaa 360
 agaggagaaa gagagtagtt ttcatttctg actgaaacng gggaggaggg aacgtaggat 420
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 gccatataat aaatgacgac gtctcaatgc caggatgtcc tgggccatta caagttgcc 180
 agccctgggc tgacacctgg accaccagcc cgttcattca acgctgacaa ctactccggg 240
 atgggaccct tattttacag accaagagac acaagcaccg aggagcnaat gtacccttat 300
 annntntggct ggacantngt gatgnnnntnc annntntnnnn nncnnncntn ngnggnanag 360
 anaggangat tnttaatttg nanccanact ngntnaccta gtgagacctc atntcaaaca 420
 acaacacaca aatgtcagat tgaccgcaag tgggtganct gaggatntca gacatattca 480
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 ggncagaaga gaacattaga gtccctggaa cttcggctac agatgtaagc tgctgtgggg 180
 atgctgggaa ccaaactgca agagcagcag gtgctcctga ccagagcatc tctccagccc 240
 caacagggtt aaccattttt naccacagac ttttacttcc tattatgtca catcgttcga 300
 tgcaggcctc atattgtcat agttgaaggt attaattggc aaataaaata tcagaatgaa 360
 aacagaagtt tgaattctaa tctctatatt gaattagcca ataannngnc ctcagcactg 420
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 agggcttggt ttctacctaa tcgttgctat ttaattgagg gactggcaaa gaggctagct 180
 gggctttttt cccctacccc acccccatth ggacaggaac ccaggaagtt ggggttccag 240


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cctggaaagc ggaggctaga ctccttcctg tgaatgtatt gcctttctga atcggaatct 300
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ggtgcatgtc actgaggccg agtcccactt gtctatgact ttcacgaagg ctggcaagat 420
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gcaacgttga cttcctctgt gctcctgtct gacttggaga gttcttgagg gttactcaca 240
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agttattagg atacgtggga ccaacggccc cgtaagaaaa caatntggaa ctctccaact 360
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ttaaaaaata aaaagtatTT aagcctgcc cctcttcggt acttagaata aagcagagaa    240
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cagaccgtga agaa                                                    314

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gaatatcttc ttgggtgggg caggggtgtct ttttgtccac ttctcagtgc ttgtcttgat 180

tgttctaaca gattggggcc actttatatt gagtccattc tgagttcatt ttaattctag 240

ctccccaatc ttgggaaata gagggtgaga gaactnntan tgntnccant ctttaanctn 300

tcnaaacctg tctccagtga cagttcctta agcaagacca cactntntaa ncctttccna 360

acagtgtagg aactgtaatc aaggggtnag atagagagcc aatgttatgg ggaacttntt 420

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 ccagaggacc caggcaggcc tgtgcagaag gagagaatct ctgagtgtgt gctacaaact 240
 ctcatgaccc acttagcctt ctgcaacgac aggagatgtg cagccactct gggtaccatg 300
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aggtctccag tggccagctc gctctgtctg gccccattcc tggattctca gtgcccagcc	180
catcagcaca aagtacctgg ggagaatgca ggccaggaag aaattgcacg tgcaaggaaa	240
atattgtttt atagaattca gtggcccatt ctgtaaacat tgtgggttctg cctcagggtt	300
ttttcctgcc tgtcttcagg gagcacctnc agggagcacn tccannganc accaggnagc	360
acngggcagc cagatgcntg ngcttaggaa natatgttct tnggntgant ngntnttgc	420
acaggatnga cttggggant ttaccangca tgtgagagan tccaggagtg gtgctgggtg	480
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 caaacctgac ggccagttct gagaaagctc cttctgccct tgaggggaact tccacnggaa 300
 cattnnccat tggnaagtg agnacccaag tttttatctt tnactgagag cagaaaggcg 360
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 gtttctgccc ttctgtcttt gttgaagaat ctagatgtgt tgaagacagc tgctccagag 180
 ttttagcacct ggactgtgtg tgggaaagtt catttgctgc agctaggact ctaaagctgc 240
 ccagcttctc tgaatcctag gtgaatgtgt aattaacaca ttttgttcca tgcccctgag 300
 gtttcggggg ttggtgtttt tgtggtactc caataacagt atagtaggta actgagacag 360
 tgggttcctc ttgtaaattg ctaacacatg gtcaaatgct aggtcagttt gggattttgt 420
 accttgagtg tgggtaggaa aagatgggag gaacacaata agtgttcatt ttagccaaag 480
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 atagtganct atgacttcac atacacacac acacacncca tctgtatgta ctgtacacat 240
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 tctgcgtgct ccttttgcgg agacaagttt ttgtattgga tgtttgggcc aatgggaggc 420
 ttcaagctac aacatatttt ccagtttaa atatattgaa cttatgacaa accccagaca 480
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ctttctgcta cctcctacac cttatatagt tccttcttaa cgctagtgat gctttcaaca      180
cacaaacctg atcttgccct ctgtcactta ccaaccgctg acggctctcc tgaacattaa      240
gatgaaagca gcattcctna tatancataa cccacacagg ctgacttcct cnnacgttcc      300
aacctggtac acantcccct gcaccagcat tgctggccnc cttccatttg ctngaagatg      360
ctatntccct cagccccagg gaatctttcn gtntaatggg tcctntccgc agtgtaattt      420
tagctcttgc tcaccacaca ccatcaatg caattgccac ttccccaggg aagtggactc      480
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 tggtgnaaga taccaggaaa cgnattgtta aaggncana gggcaaatgc caaaaacca 240
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 gccaggtag ggcattaatt naggtggggg ctgctaaggg gccgtttgcc agagcttgtg 420
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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 ttaccctnt cncccaatga ggtgaatggt gttntntctt cattcaccaa 360
 atctaggtgg cctganagcg ttggtctaag aatgagtttg aggctnagct gggtaattta 420
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 ggtgagaaag catggctgtt taaggcatct accttctcat gagcccatct ctgttatttg 180


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catatttcac cctgacttat catgtggaaa ctgtcatttc tgtgtcatcc tgggcttgtg 240
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atattaaagg ttgaatttgt agtattgcaa ttatatgttt 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 tggtagacag gtagtcccag tgaacaacct 240
 ttccacagag gttacctaa accattgaaa aacacagggt ttacattat gattcataat 300
 agtagcaaaa ttacagttat gaagtagcag tgaaaataat tttntgncng nggnntcatc 360
 acaacatgan gnactatatt naaggntnnc agcantnaga agagtgagaa ccaatncctt 420
 agagggaaca ccctagtcca cagagtgatt gttttctntt ccttgtctag cntccccanc 480
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 aagagcacac actggttctg actccctaga gagctggtat cttgcaagag aatctgcagg 180

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ttggaaatag cccgtatctg gattttacct ctctgacggg ctacttgag aagtgggctg      240
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ncagttttcca ttccttggag aagtcagaga ctgtgagcat tgagcagcct ttacctcaga      360
acccttgat accccagccc ctacagagga ccccgacg ttaataaaga ctgggccaca      420
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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 ttttantaataa 360
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 gtgcactgag tgntgggttt ggagctcctt ctctgggctc ccnagtactt attgctgtgt 240
 ctcttctagt taaactcgca cttctttgaa acaggttntg agttacgttc accaagnata 300
 actaangcca cccagcttta tgcactctacg tgtagtgcta tgacaactgt taagggttga 360

gcatgtgtta agattataat tatacagggtt taattgcctg ctttttaaatt ggcaatctgt 420
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<210> 3534
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 <223> n is a, c, g, or t

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 ttgaggtatt taggtatata tccgtaggtta ttctgggatg ctgctgtacc taaatccctt 120
 caccaccctg gaagatggtg gaagtcatga tgtttctcta ctcaacttga ttcataccac 180
 ttntttcctt ccaattcatc catgaaaata cccagccct ggtgacattc tgtcagcact 240
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<210> 3535
 <211> 475
 <212> DNA
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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

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tttntgctcc aggccaaggt caatgtngtt tcaattgtcc agctcctgag aanaccttta 300
caaacacaat ctttaagcaca tgggattttg ggtctttgtg ttgtaatgaa aancanggtt 360
tttttccttc ctactgacat tagaaattat tttcaccttt taagatgtct tcttaaggaa 420
gaatcatnga taatacttca aaatgaccat tactaccagc agtgctttgg tcccc 475

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<210> 3536
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<212> DNA
<213> Mus musculus

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<220>
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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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tgcaactctt ttgtctctta ggggacaaat ttgggccctt tggactcttg gcaaggccta 180
tcagtgaagt agtatgtgtt gagatcaggc ctgccttgag ccacgatacc acaagaccca 240
aaagacccca tccgctctat ctaattgggt agtcantag aaggggaaac tgaggcagnc 300
aggcaggata acttcatgag cttcattcac agacagtgga gccattcaga ggcaaacaaa 360
gagcnagagg acatcttctt ngccttgcca gggctgtgct catntctgtc tgtggcctgt 420
gaaatgtcct ttagcacata acgtgtcacc ttaagggcct gtgctgttct gagagcacac 480

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522

<210> 3537
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 agaggtggag acagaagcct ccaaagtgaagggtcgggct gganagatgg ctcagcagtt 180
 aagagcacta gctgctcttc cagaggtcct gaattcaatt cccagcaacc acatggtagc 240
 tcacaacat cagtaatgag atctgatgcc ctcttcaggt gtcttctaaa gacagctaca 300
 gtgtactgtc atatacatatc ataagtcttt aaaaataaat tcaagatcat ccgtggctta 360

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acagcaagat ccactgcatc tcaacaacag catacaaacc tggctaattg ggactggctt 420
tgaaggaagc aggggtgact cccctggagt gacagaaccc aaaggcttga gcagcatgaa 480
gtagaagccc ctctccaggg aagcctgggc tgcaccacca agccttatca ccgcaaagaa 540
g 541

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<210> 3538
<211> 527
<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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acttatgtta cgtgtgagac tgtatgaatg tgtatggaca aatgagcata gatgccctta 120
gagatcagaa gaggggtgtca cagccccggg agctggcagt ggtgagccac ctgacatgag 180
ttctggaac tgaggtcttg ccctcccca aagcagtgga cactcttaac tgacttaatg 240
tcatcattag aagctgtttg tgttctttaa ggataaaca cttgcctcag attgggcatt 300
agtctgttag gtacaggagt tcttgcaatg agcattttta aattaatgta ttgataatc 360
acaatcaagt ttatttgagt ttaaaaaaaaa atagtcatgg catgcaaata ctgctgagga 420
acaaatttaa caaggctctt ttttttttct tccagtgtgg cctctatggt aaaaaatagt 480
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<210> 3539
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aaggtcctgg attcaacctc ttatTTTTat ttttttgttt tttgtttggt tgtttgtttg 120
 ttttgagaca gggtttcctt ttataactct tggctgtcct ggaactcgct ttgtacagcc 180
 ttgggagttc tggaactctt tctttagaaa aactttctct ttcaggctgg cctagaactc 240
 atagagatct caccacttc tgcctcccg ntntgngnt taaagnctn anccactaca 300
 ncntgntntn nnttctgatn antcattctt ttttttaaga tttattntn attnatncat 360
 atatanannt atgtaccaca tatntgcagg aacttacaga gancaaggac acaagtntca 420
 tggaactaga atttcaggtg gtntgaggc nccngacata ggagctaaga actgatatgt 480
 gacttcttgg ccactaaacc atacttcacc attcttaca 519

<210> 3540
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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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 gaaaagcaga aatacaaaca aggttttgcc ttacttgct tttctcttta atgtataagt 120
 ttaagtacct gattgagatt atataccgca tgcattgcagg agcctgcaga gacaagagga 180
 cattgggggc cagaggagtt gcaggagtt gtgagctgcc tgggtgtgggt gctgagaacc 240
 aaagactggg tcatcccaa 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 acaagtgcac ggccgtgtgg agtgaagacg 120
 gacagtaagt gtagagccac cctctaactg tactgagtta ataagataca atggttaagat 180
 gctactgctc agcttgtagt actcctatcg tgatctgtgt aggtgaggtg gtttatgaaa 240
 cgaggctaata tcttggtgtg ttgccattaa cac 273

<210> 3542
 <211> 501
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (314)..(314)
 <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> (409)..(409)
 <223> n is a, c, g, or t

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 <222> (457)..(457)
 <223> n is a, c, g, or t

<400> 3542

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aggttccata tccccaatgt agtgaatcac agctaagatc acctacattg attgtagtgc      120
ccctccctta tctcaggtct ctgtcttggt cgggagatgc ccctcaacct cgtcacacct      180
atcagttgca cgtttacatt aattttcatg gtcattctagc tatctctcct cttgggtttt      240
cagaaaccca tatatgtgag gtgaaattgt agtcacctgt gctttaagat gcaattatta      300
aagctgatgg tttngcatcc ccaactctng acggtgctga ggaccctgaa ccctgatttc      360
acngactatt tacccaacct gnatctagga tgttctaata gcaacattng gatatttaca      420
tgaggagagat gctacagggt cattgtttat ttctgctctt tatttaaacc aaattcctgt      480
tttacacaga ccttccttaa t                                     501

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<210> 3543
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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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<400> 3543
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ttataatacc caaatattatn aagacagaaa gtaaaatgtt ctttgccaga aattggtagg      120
aagagaaaag tgggtgtttc atgagtattg attttcacag ctttggattt tcaagataaa      180
aggagctctn cagctttgct gcacaatttg aatgtattta gccttattaa accttgact      240
taaaacagtt aatataaact ggatgtggta gttcaccagt gactaaaacc tagaatcaga      300
tgcaggaaaa tcaggaattc ccgggcatct tcaactacat agg                          343

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<210> 3544
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<213> Mus musculus

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 <222> (103)..(103)
 <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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 tggggcatga ctataatccc aaaactcngg aagccagtga aagtggggag attgagaatt 180
 caagcccacc agtgctacaa agtgagaccc tatctcnaaa aaacaattaa tcaataaaca 240
 aacacacaat gtgccttcac gttaatacct ctcttcaaga cacaactgtg taatt 295

<210> 3545
 <211> 424
 <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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 ctatgggggt ataggtatct tcatattaga tatgggtaca agaagcccca ctgtggggct 180
 taaataccat ctatgccctc ccattcaact gccnantnnt ctataaaagc tntttgtttg 240
 atattcctga nntncatgtc atattctggg gagnatcatt ggaacttnat ccctcnatag 300
 gaagaacatt tttttttctn tattagacat tcaatttttg ttcttaacat cnggatgtgc 360

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tatt 424

<210> 3546

<211> 287

<212> DNA

<213> Mus musculus

<400> 3546

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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

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<210> 3547

<211> 381

<212> DNA

<213> Mus musculus

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<222> (31)..(31)

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<222> (62)..(62)

<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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gntacattgt cctctaccac aggccgggct gtttccactg cccgcctttt ntacagcggt 120

gtgctgtgcc cctgaatggt gggacaaatc agtgccttcc ctctcatctg ttgtttagaa 180

aaaagtcaac caatacagaa gcagagacct gtctgtccct gaatctaaaa atagccatgg 240

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attttatcac tgaaagcccc atcatatgtc agatgtcagg agcccatctc ccttcagtca    300
ggagctccgg gagaagacca gaggcaaagc gcgctgagct tttctgagaa tacagaggaa    360
cgctcaagca accatgtttt g                                              381

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<210> 3548
<211> 452
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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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 gtgtgctcag aagtgttnaa aaaaaatctt cttaacanga ttcccacgac agagccattc 180
 ctaatgtgtt gactctgtgc tagttgtggg nctntngcat ttcccaaaga caccagant 240
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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
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 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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gatgatgctc ttctggcatc aagtgtttct ctgtctcttc ctaaaattca aatagccagt 240
gacaaaatgt agggaggggc tggagagatg gctcaggaga gcctggggct taatgttggg 300
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atcactgtga gcctctagca aacccaaaac ccttcagctt ctctgtgcca gcttggtgaa 240
gcagctgtct gtggtcttat ttagtccttc ctgttatcgc tggggatatg gaggggaaac 300
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taattaatgg atgatanttg taattgacta aagtcctcgn tntganccgt ttgttntggn 240

tccgagagcn ctnacatgtg aancatngtg agcagcgagg gaactgacag gatgtgnccg 300

tggccagtgt ggcttttagtg ttgcatcag ncagccacca gctccatccg tgttcttact 360

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 cccagatagc tgaggagata aatgcactga ccatcaagct tgatgacctg accgtgaacc 360
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tataagattt aanctcactg gagtccaaag gcagagacaa tntgaacatg cgtgtgttaa      180
ttttccttct aactgaagc anatattgtc atgnittina tantccnatg gccttttcat      240
tntggcagat caattantca aatacaatta nttnnatata natgccaata caattattaa      300
ataccctttc ctttcaggta agcatttaca atacttttca atacttgaga aaanaaaatt      360
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 tctctctctc tctctctctc tctctctctc tctctctgcc ctgtgtgggg ttgctcacia 300
 aggaatcttt gcntcnnana annnncnnnc nnnnacctcc ngtnngctgac cccacaaaag 360

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 tttttaagat ttattattta tttacttacn gtatgtaagt aactgttagc tgtcttcaga 240
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 cccaccctt agangnagca gcngagctnt cagaaagnnt caggctttgt gactccntta 180

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ttcacagggtg ccttcagctg cactgtggna nccagcttca cncctagtc actccancct 240
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 attcctgtta gatgtggttg aattgagggg 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 tttaaaata cctgggcgcg cgcgcatgcc cagagttagc tcgcgtttct 420
 gatggcaaaa 430

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 <211> 381
 <212> DNA
 <213> Mus musculus

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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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 ctntcccagc ttntccnagg ccagccaagc cngtatggaa ganccttctcc ctgtgtggta 180
 caagcatgga gaccacacag tct 203

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 cttgggaatt ggttgccagc tgactgccag gctccagcat taantcatac ccnaatctga 180
 cctccatgca tggctttgct gctgtgggct ctctgtctct tcactattta ttaagtacac 240
 canttttgtt ttggnntttt gggttttttt ttttaaagcg gtttgtaaga tatctttaaa 300
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 tctggtctct aggtccccag tctaggtggt nagcccttgg gtacaccagg gtcagtatga 180
 cntgggagnc annatccntn tctgtaaagc ctgtataggn agtgggtggg agctncancc 240
 agcatggaga tggcactgnc tgtttgcaca gctaagttaa ccccttttag ctttttatta 300
 atttaataca tagttactcn aagtgtttta catgcactcg gtatgtttg 349

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 <223> n is a, c, g, or t

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 agttgagtgc gccagacctc ttgaagtcct cttttgngat tttaaaggagt gggaatgacc 120
 ttccncatta tgtcccaccc tcctctcctt tcttctctgt gccctcaaatt ttcagagctc 180
 aaacctactt tcaaaaatct gagagtctta tacaggccat atatacacia gggttacata 240
 tattcagcgc agaactaggc caccaaagtg cacagggtgc ttagaagtga gcagcgatct 300
 ctcaatatcc aatattctgc ccttcaga 328

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 taatacaacg aggataccga tcgctgcgag tatgtttacc caaatggatt ttccagtaat 180
 tcttttaacc aggttgctca tgcttactta ttaattaagg acttcatcta tcaatgcaga 240
 ataaaaatct ttcaggttcc atcccatgat cttcacctgt tgaggaatga tgctggcttc 300
 actttgtccc ggaaccgtat tcacttccag catatagggt tgtccctgtg nttcgttgta 360
 aataaaatcg atgcgtacca caccgcg 387

<210> 3571
 <211> 319
 <212> DNA
 <213> Mus musculus

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agagatgaca acggggctct cccaagccg ttgcccagta ttttctttcc agatacgttt      180

ttaaacttgg tagcagccgt taatgtcttc ttagctgaga atttcgcccc acgcttgtag      240

agcgtccttc ttccaaatgc gtgggctgct acgaagtgga aaaggagatg gctgagtgtc      300

aaccgcgttt gctgccaag                                          319

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 ganggcccggtg ctgngtgagc cccttcctcc agtctcgntt gggagaagga aaaggaantg 180
 gcggacctct ggagagaagg cttagcactc cacaaactca aaagactcca gagtgggtgt 240
 ttgcctgtgta tacaataat tttctggggg atgaagctaa gagagctcac ttcttatttg 300
 actatgtgtg gcaatgactt tgcacangga tttctggcac acagcaacag tt 352

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 cttnaccttt ctctnntctt tttcttctnn tgntgcatgt anaccactcn tnnatnagac 120
 ngantgcttt gcggaagagg aggggctgtc accagagttc cctccagagt gcngnctgct 180
 cttnccttgg ntctcttttag ttggnnacgg cttggttcat canacactgg cnacnantcc 240
 tctctaatgn atgtaacttt aaatcagatt tcccacctga agcaagggag acttggattc 300
 ctctgct 307

<210> 3574
 <211> 210
 <212> DNA
 <213> Mus musculus

<400> 3574
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 gggagccgga tagattgctc agtggttatg cacacttaaa gctcctgcaa aggacccagt 120
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 cacctgactt cctctgacac taggcacaca 210

<210> 3575
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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 gctgggggta caggtgtgtt ccaccatgcc tgctctccag gggcccttaa      240

cacaaatata ccaccatgca ttctcttctg gtcccaaagt tgaa                        284

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<210> 3576
<211> 47
<212> DNA
<213> Mus musculus

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<400> 3576
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 tgccatgctc tggncngagc ngngnnntc ntgggggggg ggggagtggg atgtgaganc 180
 accccgacct ccaccacag gatgttactt aggacncaca ctgctgtttg cctggctttc 240
 tcatgatcca cagtagta 258

<210> 3578
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<223> n is a, c, g, or t

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<210> 3579

<211> 241

<212> DNA

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 tcntgtgcgg ggcccgcgg cggcagcggc ggcggcaang acgcggaggc gggacaggaa 180
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 gacnnatnac actgangcag attagnagct agtatcacc attgggattg gcaatgcctt 180
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 tgntctntcg ctgttaaagtg ttgcttcctt gaagtgatgc tttcatntct ggcatttgtg 120
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 gnccagggng gtaccttgaa anttataccc nccannngaa cagcatgcac cacgcgttcc 180
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ttingacntnt caaatgagta ntcttagaga gtnttttnt gcaagttgga gantcatgtt 180

ttctaaatat tcataaaaga gaaacataat gttgcttctt 220

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 tanacttgat ggtaaccnga atttatttct tntnttttna gctatatacna ntcattntat 120
 tatagttact tnatatgtaa atatatttct gtacatgtgg ctttatttaa 170

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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
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 ttgagcaac 69

<210> 3589
 <211> 39
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<400> 3589
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<210> 3590
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 <213> Mus musculus

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 gatggaagca gacagatgtc cgtaagttcc agga 94

<210> 3591
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 agatgacttg gaagaaagac caagagctag ctttagttgt tggatgggct ctggacctta 180
 aataagatga cttatcccac aatttctttc atgttttaaaa agatttttat cctctccaca 240
 catagtttgt tttgttgatc cgcctccgta ctgatttctt tcatcttcaa tgttagtttg 300
 ctccatgacc caagacttg cctgcattct nntactgnna ncaacaccan taagattatt 360
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tttgcaagtg cagaatggtg agngggctcc ctaaagcagc ctcgaccatc cacagacagc      180
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ctgtaatcct ngcatggacc tctgtgggtg atggctgaag ggccagaant tggacancct 180

gtgtcttggg gctagtttca aggctagagc ctgggacaaa gagactntca agcatcaatc 240

aaacaaacaa aggtcatatg ttaggtncgg 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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<210> 3594

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<212> DNA

<213> Mus musculus

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cactgtggat attggagtat atttatatc cttatggaga tgggggtggg aggaatctgt      180
gagatctgtg ttttcatttg ctttttttct cagtaggaca ggggcgtgga caaatggacc      240
cgagggctcc tttctgcacc agcttttttt tctactgctg atgccatccg ttagtgtgtc      300
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tgcaaacagg agccattgtc tgtttaccct gttcctgact ctcttcctcc cctgagctag      180
tggtgagaaa tcacttgggc ttctgtctcc ctgcagactc tcccatgggt gctgtttcct      240
gttctgtttt gttttgtttt ttaagatcca ttttgtattc tgtggcaann ttgatctagt      300
tgcttgccag gnactttttt tcaaacacac tagcagggtc gagagtgggg ctcagtggac      360
agagtatgta tctaacacac aggaggtctt gggttctgac cccaggacca catacatcaa      420
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 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 gttgctttta aatttttgtg aatattttta caatgatgat tctcaciaat 420
 ctttactttg gaacctaaaa acatctcggt ttatgacctg atactgaaag agctccagtt 480
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ctgactgtgg agaagaaatc attgtgattt ttgaacacac ataattatgg tttaaaaaca    180
aactaacctg aatttgtttg aatatagttt ttcaactttc tctgatacta ataaactcat    240
cagccagttg gaaattgctt tccagaaaaa attctcattg cttatatgtt catatatattg    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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<210> 3598

<211> 494

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (193)..(193)

<223> n is a, c, g, or t

<400> 3598

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cctgaggctg caagtttaca caggctagta gtcccgaagg tgcctttttt caatggatgg    120
gggccacagc tagtttttag gtgcctgtgg tcagtattgc tgcataaggac accagaatgg    180
ctaagggaaa ccnagccaga tgtgactcag aaaaaataaa cactctcacc tcccagaagc    240
tctggtttgg acacacattc aacaggtaca cttctttgtg gccattcatc attttcaggt    300
aaaggggggtt tatagtaaac tctagcacag tctagtaggg caagaaactg cagtgagccc    360
caggggtctgt gctttaggga gacaggataa taggggtctg tagcttgagc tcaatgtata    420
catccagatg gagagagcca ttaagctgat gttgttatat atatgtaact atgacaacaa    480
tatccccact tctg                                494
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<210> 3599

<211> 539

<212> DNA

<213> Mus musculus

<220>
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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

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (509)..(509)
 <223> n is a, c, g, or t

<400> 3599
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 tgcggccata cccagtcatn tgactacncc tcacaatcta aagccggggtc tgaggtagct 120
 gatgttactc ctgtgggttg agctgggaac gactcacgga taaaaatata tagtgtgtaa 180
 ctagtagaac taggaaacac caaggcaaga catttggcaa gtttaataaa aactattctt 240
 tggttgttgt atattttttt aaaacttgta ttttgctgca ttgtttgggt tgaaacatat 300
 cacctgtgta agccatatct tgaatgaact taaatgttcg ccataactat ttgaaagtta 360
 atatatatgg ttaaatttct tgctgatacc aaaagagatc atttggagat aaaaacaacc 420
 tttgcttgta attaaagttg ctgctgcttc tgtatgtgta ctccctcctc cccgcccccc 480
 ttggtaaagg gtaataaaac gactacacna aaagtaaact tttgtttact tatctcagg 539

<210> 3600
 <211> 468
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (90)..(90)
 <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

<220>
 <221> misc_feature
 <222> (347)..(347)
 <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> (363)..(363)
 <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> (394)..(394)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (400)..(400)
 <223> n is a, c, g, or t

<400> 3600
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 tgctccctac acattagagt tttttaaan aaaaagaaaa aaaggaagag gaaatgaaag 120
 ggaaagggaa tttgtcaaga aagcacatga ctttgaaaga tggggagatt tacattgttg 180
 ttgttgttaa tgtaactagt acattaacca cattaatatt cacttttagta actttaagaa 240
 cagccttaag ctgacttgtg ctagcaaagg accatgaagc tttcattcag tcctggccgt 300
 accagtaaca aatagtgtca ttttgtntac cagtgancct tttgggntca ttggaacct 360
 ttnccaaacc aggaggnctt cgactctaac ttancccan tttaagatgg ctaatttggg 420
 cttcctgatg atagacttgg gttccaaggg tgtttgtgga ttccctgt 468

<210> 3601
 <211> 468
 <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> (113)..(113)

<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> 3601

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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

ttcaacagtt agttaagtac cacaacacac cagataaact gtccccag 468

<210> 3602

<211> 382

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (174)..(174)

<223> n is a, c, g, or t

<400> 3602

agcaaaaggc cttccctgca tggactcggc aaggagaagc cagccacgac ctggggcagc 60

gggggaccct gctccccac agcactatca gatatagact ccgacacgct ctctcaggga 120

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aactttgagg ttggatttcg gtctcagaag tcaataaaaag tcacgcgaga gcancaacca    180
gaggccgaag tgggtgggca gccagggtcca agccaggact caaccagcca tgcctcggac    240
acagtggccc ggctagctag atctgaggac ggtggcccag ctgggtctcc aggggcatct    300
gatttccaga actgcagccc tggctgggtcc agtgccttct atgaggctga ctgctttgga    360
gccgatgtct acaactacgt ga                                              382

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<210> 3603
<211> 554
<212> DNA
<213> Mus musculus

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<220>
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<222> (229)..(229)
<223> n is a, c, g, or t

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<220>
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<222> (300)..(300)
<223> n is a, c, g, or t

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<220>
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<222> (379)..(379)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (495)..(495)
<223> n is a, c, g, or t

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<400> 3603
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aaggccaacc cagtcaacag agttccaaac cacttagggc catacagttc tttgagggga    120
ctagaccagt tcccagcacc catgctggat ggttcacagt tgcttttagc tccagctcct    180
ccaaggacct caggggtgcct 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

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gagtagggct ggggtgtttta tttttnnnnn nttattttcc ccctgcctgt gaggtatagg 480
 ggtgggataa ggtcncctg ttagctctg cctttcctgg aactcaccag gtagaccaga 540
 gatccatcca tcag 554

<210> 3604
 <211> 338
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (252)..(252)
 <223> n is a, c, g, or t

<400> 3604
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 taagggtttg ccgtgacatc ccaggctagc tggctcatga gcttcctata gtctcagcac 120
 agggatgctg gcaccagggt tcacacccta cctggctttt cacttttaaa acatgggtcc 180
 cagggtctaa acggacttct tcaggcttat gcagcatctt taccacagg gctaagctca 240
 ggctccactg tnggctttta cacaattca tagattctac ccacactgca tgggctctgt 300
 gagggaccct gtccctggct tgggaagtct tttctgga 338

<210> 3605
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 3605
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 ctcttgagcag 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 tggctctgaa ccataggaaa atgtcgcttt 360
 ccaacgtgct cactaaaatg ggagcactat taggctaggg tgtacctc 408

<210> 3606
 <211> 525
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (41)..(41)
 <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> (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> (376)..(377)
 <223> n is a, c, g, or t

<220>
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 <222> (382)..(382)
 <223> n is a, c, g, or t

<220>
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 <222> (457)..(457)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (496)..(496)
 <223> n is a, c, g, or t

<400> 3606
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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 ccancctct ctggacattt tcatatacag tattttggtn 360
 aacttttttc cattcnagg 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

<220>
 <221> misc_feature
 <222> (278)..(278)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(284)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (286)..(287)
 <223> n is a, c, g, or t

<400> 3607
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 accctaagaa acttctcctc gcttggggag aggaggcaca gtgcggagcg acgtgggctt 120
 caggcgaagt tggagctgct gagcttcggg gcggcgttcg aggccccctc ccacttgcg 180
 gctgagcgca gctagcggcg tcgggcgagg agcaagcggc ggtcctttcc gcgagggtcg 240
 gctgcccgcac tgagggcagc cggaaggcc gcggcccn gn 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
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (155)..(155)
 <223> n is a, c, g, or t

<400> 3608
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gacggaaggt tccttcacgt gtctgcccc a gctaaacacc atccaaccga ctttccaaag 120
 aacccttaag tttccacttt ggtcctcaga ggtgntcccc attcacctaa ctatccattt 180
 tacttctgta aaagtccacc gatgctggag agctggctca gaagttaaga acacttactg 240
 caggttgca g a 251

<210> 3609
 <211> 230
 <212> DNA
 <213> Mus musculus

<400> 3609
 aacagtatca actaatctgg acctgtagga gctcccagag actgagccac caaccaaaca 60
 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

<220>
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 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (98)..(98)
 <223> n is a, c, g, or t

<400> 3610
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 ccaccccggc cgttcacctc ccatgatgcc tggcgtgngt gaggccgctg tgtactaggc 120
 tggctatctg tctgtccatc catctacctg gggtcaggct gatggccgag gctgtgagtg 180
 cctggcccc 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
 <213> Mus musculus

<220>
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 <222> (39)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (128)..(128)
 <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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 <222> (189)..(189)
 <223> n is a, c, g, or t

<220>
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 <222> (280)..(280)
 <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> (364)..(364)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (374)..(374)
 <223> n is a, c, g, or t

<400> 3611
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 agatgttccc ttcaccccg tggatcatggg agaacacttc ccagatcccc tccccatcct 120
 cagggctntg ggctgtcttc ctgctgctgg aacaggggtcc ttcccacagn cctctggagg 180
 gagggatng gatctgggtca tcagagcatc ctcaagtaaac tctgctgggt ttcaagccct 240
 catacccttc tccccacctg gcttcctagt tgcttgaacn tgtgtcaaaa agaaacangg 300

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aaaggaaagc cagcaaagaa gcttaacaga taaagcttga taacgtgagt ttaactccca    360
gaanccatgt ggggnagaaag aggaaactga ttcccacaag ttgtcctctg gcctacacac    420
acattcacac gcacgttaat aagt                                             444

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<210> 3612
<211> 537
<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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<220>
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<222> (307)..(308)
<223> n is a, c, g, or t

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<220>
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<222> (310)..(310)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (329)..(330)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

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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>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (397)..(397)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (407)..(407)
 <223> n is a, c, g, or t

<400> 3612
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 aatgtaaata ccatattttc ttgttagata aagaaatgta aattactgta acctgagatg 120
 ctgtcatttt taaaccttct ttatcaagga ataaattaaa acatttgcaa agatgtatat 180
 tttaaataata acaatggaag atcagcaaaa gctatgggac ttctaattaa gcacagacaa 240
 ttatgacttc ttgacctag acaaccaaga ggtaaattta agttataatg attacaanag 300
 aaaattnnntn ttccatttng tcatntatnn atgtgagagt tcaacttttt tcattttctt 360
 tcttctcctt nttnttcttc ttttgttttn atctganaca ttctttngta ggcagggtga 420
 cctcaaacc cttgtgtaag ccaagaatga tgtcaacctt cttgtcctcc tgactctaac 480
 ttctgttttg gattacagga ttacagacat gcacaccacc cttggatttc ttctgtg 537

<210> 3613
 <211> 434
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n is a, c, g, or t

<400> 3613
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 aaacacttag ttctgcttga cagagaaatc ttaatggcaa aacttctctt ctatgctcta 120
 agtttagccgt cctcagcttt agagattttc atcatctgac tacagccaga aaataggcac 180
 acattaccag tctggcgagg aggaaatggg tatatcactt ggacccaaag ctcagcacca 240
 gaagaaagag tttaggcaaa tatattctta ggcacaagag gcatttgtaa cacgatggnc 300
 gcagttgttt atcaaagagt aagacctggg ttgggggtggg 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 caacagggtca 180
 ggggtggcct gaccaagcca tcgtgattgt cagtcttggc cctctgcatt gggctgtggc 240
 catttgggca ccatagcctc ggctggcatg tggcggaag gcaggctgct catttccagt 300
 gagcctcttt ttctcccagg caattattct gacttccttc aagactttct gaagagttat 360
 gtgttactca gtctttttaa agtggaaccc atgtcactc aaa 403

<210> 3615
 <211> 377
 <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> (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 acaccaant gagttcacac 240
 acnttgactg tacacatatg cacacataaa atacaaagta ctgtatgtgc taacattgta 300
 tagacacata gccatccgtc ttgaagtcaa acctcagatt ttcagtcagg cctgggttgct 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
 ggcacagac tacttgggggt ggtctgtca cagccaaatg tctgggagga gaggggtactg 180
 gaattggaca caaagccagt cacctctgga agtcagtttc acatccctat tccgggttcc 240
 cttgggggtcc ggggctagcc cccagccaca gcccaaagct gcctgggaac ttgcaagag 300
 tttcctcggc ggcgcccagg cccggagggg aaggagagacc aggtccactt ggcttgcgca 360
 gcgcggccct gcggggacgt cccacgtgg gagatctgag atggggaccc ccgggaccgg 420
 cgagccgcag catgccgcc acagaaccca cgaggccggg gcactgcaac ttcttccaag 480
 ggggtctccg agggccgggg gaaggaaccc gggagtcgct ctcatcgcca ggaagc 536

<210> 3617
 <211> 229
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (123)..(123)
 <223> n is a, c, g, or t

<400> 3617
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 cattggaaag cggcaaggca aaacacccat taccaagatg tagctaccaa aggactgaga 120
 ttngggatca gaaattcaat acctttaccc cagcccttgt ggacaacttc ctctgtggg 180
 actgaggact ctaagaggtc accagaaagt tatatatgag ctctccat 229

<210> 3618
 <211> 505
 <212> DNA
 <213> Mus musculus

<220>

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 <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> (62)..(63)
 <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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 <223> n is a, c, g, or t

<220>
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 <222> (284)..(286)
 <223> n is a, c, g, or t

<220>
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 <222> (288)..(290)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (298)..(298)
 <223> n is a, c, g, or t

<400> 3618
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 gnngcannnn accgntggta ggtcgagttc ttatcaccca ccctcgact ggagttgtga 120
 gagcaaaagc tgactttgaa aaggtggcgg tgggcctgag gcttgagaga ccggaatgtg 180
 attgcggann ggnaggggca gaggggtcgt cctgctgagc cgactaccg ctggagagac 240

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gacgcggctc tggaagcgca agaaaccgaa tagtccagcc ggannntnnn tatatcgntc 300
ctgctgttct ccacctccgg ggatcaaact gccacgtca gcttccggaa tcgaagggaa 360
gatagatgtg tgtgtgctac ccacctggca agccctaaag ttgagatgtg gaaacgtggg 420
tgcactgaat gtctgttcta ctaaagagtg ttgtttcttct gaccttggga tgaatcgctt 480
cccttcttgg gcctgtttat tcaag 505

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<210> 3619
<211> 368
<212> DNA
<213> Mus musculus

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<220>
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<222> (307)..(307)
<223> n is a, c, g, or t

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<400> 3619
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gccttgaaca cttaccctag tcagctgcca tcaacttatt cagaggtctc cctcataggc 120
ctggggagag atacctccca tgatgtgttt gtctgagata cattggagct ttatcttgtt 180
gctgggatac tagcttcatg tatactgctg agctgcagct gggctcccta aaaggggaatc 240
tggaggtggg gttgtctgta gctgtaattc aggcacccca aggctcgctg aactgggat 300
cccatanctg aagacaccct tggggcatgt gtgctgctaa gtctttcctc atccctagac 360
ctgaataa 368

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<210> 3620
<211> 476
<212> DNA
<213> Mus musculus

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<220>
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<222> (83)..(83)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (97)..(98)
 <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> (292)..(292)
 <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> (384)..(384)
 <223> n is a, c, g, or t

<400> 3620
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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 gagctgggtg acagtggagc tnggcaggcg 300
 atgcttcaga actaactggt ggggaaacga catcgttttt taaaacaaaa agaaaattga 360
 aanctacaga atattcagag gatnttacat gagtatcaga agtgctatca gcaagaaaag 420
 agaagatctc tcacacacca gagagctaaa ttttaagactt 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 taccagcct agcctccagg cctcaacatt 180
tggcgtccta cagattctta atggcctatc ctatttaatg attccctctt tttgttctgg 240
gtggcagtga tatagatgtc cttttaaaaa tcaggctaca aagtttgcc caagaatcat 300
ctctaaaatc ccaggacctc agtaacaaaa aattctaagg gctatctgcc ccaaatagac 360
tactcta 367

<210> 3622
<211> 434
<212> DNA
<213> Mus musculus

<400> 3622
gcacgacctt gcacggtggc tgcttgcgtt cagagttcgt taacttagga gcaaactcttg 60
cgggctgtgg gtaccgtag ccgcagcggc gccctgcgtc gtcttaagcc ccatgcaagt 120
gaacagtgag tgactgagga ccaaaccaag ggtctcaggg gattcaatca ggaacgttca 180
ttttgttctc acgtttgcaa ggatccgtgt cctttttttt 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

<220>
 <221> misc_feature
 <222> (119)..(119)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (123)..(124)
 <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> (170)..(170)
 <223> n is a, c, g, or t

<400> 3623
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 cctntgattt nattttattgt ttttatncag tgagaccnt cccctttnt cctgagagnt 120
 aanntggatt catgatntcc atcccacact taaggctgtt gacttttttn agaactgggg 180
 ttggctgtcg tggatgtaga gagatcattg ctagtggact gccaatcttg tctggacagc 240
 ttgctctgac atcctacagc agcacttctg tgcttgaag agattgaaga ctgaactgca 300
 cagactctga gccatcttcc aaccatacat gggcagagag gacctcactg ctctctata 360
 gcaatgaaaa aacgaaaaaa aaaaaaaaaa caaaaaactc acagggacta agtttcaatg 420
 gctggctgct aagtggatgat gagacaaggt cagaggctga ggaaaccctt ccatcttctt 480
 ccagtgggtga 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 ggttgtgtctg tggttttact gaagaatgcc 180
 ccttgaaggg atgctgtgta accaaccagc cacctcgtgc ttctgccact gttgctttcc 240
 cactgtgata gactgtgcac actcaaactg caagccaaaa taaacccac cctccttagt 300
 tgctttttccc 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 tcccccgct tgaggatttg gggttcctta    240
tctgtaacaa caggtatgtc ttgcccgatg gggacttttc caaacttcct gccctctgag    300
ggggtctagc acacaccagt gtctgcagag ggaggtctgt nccacangcg tgggtggaggg    360
ggaaacctca caaacccact tctctaactt ctcccacccc ttgaaaacag agg          413
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<210> 3626

<211> 497

<212> DNA

<213> Mus musculus

<400> 3626

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aggcacacag ggatgctttg ctctcctggg acgtttgctt atcttttgat tccgttttgt    60
tgtttggaag acaggtattg ttctgcatca ggttccaagg ttccgggaat tacaggcatg    120
ggctacagtc ttggcttgct agttttgttt tgttttgctt tgctttgtgg tgtttttcgt    180
tttggtttgg ttttgtactg ctggggctca aaccaggtg ttctgctctg ccacagttat    240
gctgtcgtgg ctgctgttac tattattggc ctttcgtcct ttgatcctgg gctttatatt    300
taacttttat tacactttta aattagttta tttctgtgtg aagatcagag gacaacttgc    360
aggatttggc tctctcctgt gtggattcca ggtgtcaaac tcaagttctc ggtggcaagc    420
tactttatct gatgagccct gggtttgagt gtctgctctg ccttttcacc cgggtgcaatc    480
cctgtgttcg gaggaga          497
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<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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attgcctctg gaatctagca gcttgaaata acagccattt gtnccgattg caattctgtg    60
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gcttcggctg taggttaggc tcggcaggtg ggggcttgct gcagtatctg tgggccagtg 120
actgtctgga ggggcaacat cagtggaaac agctggcatt ccttggtgtc ctcttatgtt 180
cagaaaggta aacgcccaacc gattacgagg cctctgggtc agaacctaac accatcgttg 240
ccatcccatt ggctggagga agtcacatga cgggcccaag aggtgggggc cctgggtcta 300
cctcttcctg ctctcaaccc accttctctt ccttacagtc ttgctcttaa ggaattcacg 360
tgctgtgtct tcttcacagc cccctccctc ttttctcctt tctctttcat tgcgttatcc 420
caga 424

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<210> 3628
<211> 441
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

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<400> 3628
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tgcagattta aacaattcag tgataagggg gaatcatcaa aggcagtgcn atcttgttct 120
gactccatgt ggggatttta aaacaattct cagccctcta taccagaac 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

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<210> 3629
<211> 505
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

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<400> 3629

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tagctcaggg cctagtgaca ggttttagaca tgatcatagg tatggatggc acagagatgt    60
gctcgggtaa gtgcaaacaa gatgcctttc tgtggaactg tcatgtcaga gctcagggca    120
caccagangc cccagcatgg tcaatccgcc taaggtttct cccactcctg atgagccact    180
ctcttcagac actcaacaga gagtactcgc tactaaatat actcctagct tcatttaagt    240
agtattttgtg 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

```

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<210> 3630
<211> 506
<212> DNA
<213> Mus musculus

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<400> 3630
tcgtctggac tctgtgggaa cccgccctca tgaacactta cccacacata accacacaca    60
cacaatttta agataatcaa aataaacctt ttaaagcctt aacacacaaa tcactgtcat    120
aagagttagg agggagtaag gctcttcac agcttgcctt tggtagagccg gtttctactg    180
tattttacca ggacaatgtg attgagaatt tccacaccac agcaggggtct ccgctgatta    240
aagcttccgt gatgtggggg ggttagaact acaggtccag agcccagtga cagtttctcc    300
aggtgatctc tagcctaaag agtaattcct tgcccacctc tagcatcctg ataaacaagt    360
tggaatgtgt tcacttaacg gaataattct tcgccaatca aagggctaaa tgtcacatag    420
catctgaggc ctctgcctga gtaacctgct tctctgatgt ttccacaaat gtatTTTTTT    480
aagccttgat tcataccttt ctttgt                                     506

```

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<210> 3631
<211> 435
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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

<220>
 <221> misc_feature
 <222> (345)..(345)
 <223> n is a, c, g, or t

<400> 3631
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 tgtgggtgct atagatcaaa tccaggtcct ctaagatagc agccattggt cttactgct 120
 aaggcatctt tctagcacct gagaactaag ttgtgacttt aagatgggtg catgcagggt 180
 tggaaattcc agaaagaaga aatgggaaat tccacacgta aaggaggaga gcagaaaggt 240
 agcgtgggtg 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>
 <221> misc_feature
 <222> (48)..(48)
 <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> (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

<400> 3632
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 acatncggct cagagggaga gtttccccct cagatgctga ctcaacagtc agcgaggagt 120
 ccagcgagag ggacgcggga gagaaggcgc cggctgctgc ccctgagaac aaggctctca 180
 gagctccgca ngagtggngc cccctgccc 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
 aagagctctc tacatgtgct gtcatttgaa ttttttatct tagccattct gataggtgta 60
 agatccaatc tcaggatcat ttgatctgc atgttcttga taattatgga cattgaacac 120
 ttatcttttt attaatttat ttattcactt gctttatgtc ccaatatcag cccctcact 180
 cctttctcac acagatcctc atcccacttc cctaccctc tcctctgagg tgaggaaatc 240

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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 ttgcttgctt gtgaatccaa 480
ttcc 484

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<210> 3634
<211> 558
<212> DNA
<213> Mus musculus

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<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
tcaaaatfff attataatff ttagtgtgtg tgtaccaag ttaggtatg tgcacatgag 420
ttcagatgtc cacagaggcc agaagataga attggatcct tgggtcagaa gttaaaggta 480
gttgtaaagc atcttgacat aggtgctaga aactgaactt ggatcctctg caagatcacc 540
aagcattctt gatggccc 558

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<210> 3635
<211> 524
<212> DNA
<213> Mus musculus

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<220>
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<222> (115)..(115)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (201)..(201)
 <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> (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> (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>
 <221> misc_feature
 <222> (366)..(366)
 <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> (483)..(483)
 <223> n is a, c, g, or t

<400> 3635
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 cgagcgctcg tgctcagctt gctttctcta agcctaggat cccagcccac agaancgctg 120
 canccacccc accgcctggc tcttcacgag aaatgaaatc cttctggaat cgccctcaca 180
 gacacactag aggtgtgctt nctcagtgat cccaaaatct agccagaata ggtattcatg 240


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gaagccaaga aaagttactc aacccttgag gatcatgacc cagacagggc tggccttgga 300
tgtgtcttgc aagacacacn ggtgcgccac cnanccttnac catggacnac cacatcatgg 360
anaacngaca tgctgagaag gcctgggatt tccatccccg accctcctgc agcagttgca 420
tgggacatcc gttagacttt gccagctct cttcgagact tgctcagagt tcctgcttcn 480
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<210> 3636
<211> 484
<212> DNA
<213> Mus musculus

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<220>
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<400> 3636
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ctggtgactt ctaagcacag gcaggacccg gaggcctgac cttcgtgctc ctaccgcctg 180
ggtgctctcc cgggacgctc aggtcaggca gaagcagcct gcgaccagc ttcttcgagg 240
gtatcttgcg cctggtggag ctgcctggga gaggcagagg cagagacagt cctggggaac 300
ctggttgctg tcggggcagg ggcatttgct caggaaatgt ggaactggcc aagagagtca 360
gtctccaaca tcctctcacg ttgtcgccag agcccttaga tcctgaattt ggaaccaga 420
ntaggacggt gcaccagctg ccccgtaggc aaggagctct gggctccggt ttatggcagc 480
cgca 484

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<210> 3637
<211> 515
<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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 <222> (436)..(436)
 <223> n is a, c, g, or t

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 aatgaagatc caattctact ttgctgattt ggctgtttgc aaccaattga acatcagtaa 180
 caccaaaatg gcaaaaaaaaa agaacatttt cagaaaaaaaa 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 ctttaactcct accag	515

<210> 3638

<211> 369

<212> DNA

<213> Mus musculus

<400> 3638

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aattgcatct gatatgtaaa gaatttcctt gactacatga accatgtata gcactttctc	180
ttataagtct ctttaagtaa aaatcaacat gatcgtgttt atttatacag tgaagtctga	240
tacagcgtat ctcaaaagta ttgtgtagcc gtcattgttg agcaccacgc 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 ttctagtgtc tcaggacaga caatgggtct gaaattcttg cttggggcca	240
tatggattgg ccgcgagggg aggaaattat attcagcttt ctgtttctgc tcaactcttt	300
ccactgggta agtgggcccT ttgaagtggc acttgcctta cctcacattc tgacaggaat	360
gactgatcgc ctttcagtcc acacaagata aggagccacg tcggagctgt ctttaactaaa	420
caatagcgaa ccaccagag cactcttcca agacgggaga gaattcccca catgtgttaa	480
gca	483

<210> 3640

<211> 424

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (41)..(41)
<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 agagaccag gccacaagc 240
 tgcgggcaag gtccagggat gccctgggcc ccaagcaca ggagtgcac ccaggctctg 300
 aggagggata cccaccct gcgatcctgt tgtctctttc catctgccac tccaccctcc 360
 ctgagcccct gaaccccaaa taaacaccct gtctgcagca gtagccactg tccttatttc 420
 ttgg 424

<210> 3641
<211> 487
<212> DNA
<213> Mus musculus

<220>
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<222> (262)..(262)
<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> (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

<220>
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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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 <222> (435)..(435)
 <223> n is a, c, g, or t

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 gactacatta gtgcctttct tccagtgacc ctgttttcat ttgtgcgcct gttagtccaa 120
 atcagataga tacaagggga agaggcttgg ctctctcag ctagtggagt gaactagaga 180
 ccagcttcat gaagaatggg gtgaggcagc aagctccttt catatactag agccaggaat 240
 ggatgttggg accattcttt tngaagantc attingacaag anttcatctg gtgtcaattt 300
 agtnccctttt tcccagcttt tatcgacaga aggttggtcc aatgaggtnt cttttccact 360
 agtagttgca gctaccagtt aagaatgggt caaaaatggc tcagtgggta agagcnccta 420
 ctgctcttcc aaagntcctg agtttgaatc ctatcaacca catggaggct tccaaccatt 480
 cgtaatg 487

<210> 3642
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 <212> DNA
 <213> Mus musculus

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 <222> (225)..(225)
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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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<222> (240)..(240)
<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> (252)..(252)
<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> (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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<223> 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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 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 gccccagga 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 cttcttcttg gctccttggg taccaggcac acaaagacat gtatgcaagc 120
 aaagcactca taccataaac aataaaataa ttaaaaaaaaa taatagaaaa cctcaccatg 180
 agcaaaaaga atgtaaagaa ggctttatct ttggcttagg gttccaaaag gttagaggcc 240
 ataatggaga caacatggca gcaagaagca attatgctgg ccagagcagg aagctgggag 300
 cttacatttt cacgtatgat caggaagcca agagcaaatt ggaagtgggtg ctagggtctt 360
 taatctccaa gcctgcccc gatgatgtat ttcctccagc aaggctgcac caaccaggcc 420
 tccccaaaca actgagggtcc aagtgttcaa atgcctgtga cactggggga ctttcttat 480
 gcaaattact acaccatccc ca 502

<210> 3644
 <211> 537
 <212> DNA
 <213> Mus musculus

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 <222> (54)..(54)
 <223> n is a, c, g, or t

<220>
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 <222> (61)..(61)
 <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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 <222> (120)..(120)
 <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>
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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 tccttgattc tgntcagata gtcagagac ttgactatg 180
 agatgagagc agaaagtatg aactgaaat ccataccatt gcctgaactn aaaggatttt 240
 gaaaatgtgc aaagggaaca gctgtttttc caccctcctg tgctcagagt gaaagggttta 300
 gtcagggttg actaataaga agcttgaaat ccctttatag agaataagtc tgcccatgca 360
 ggcaaaagac accactgagg actccactt gcaagatgtt gggttaagaa aaagacaagt 420
 gtgacaacag ctgaaaaaaaa caaaagaaaa caaaacaaaa cacagagtga aattgggact 480
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<210> 3645
 <211> 515
 <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> (382)..(382)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (424)..(424)
 <223> n is a, c, g, or t

<400> 3645
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 cagttagaat taagaataga ggaactgaat aaagaaatta aagcttccaa agatcagcta 120
 gtcgcacagg atgtcacagc taaaaatgca attcagcaaa tccataaaga gatggcccag 180
 cggatggacc aggtattttcc tgccactatt aatttgatca tttgngttt catgtttatt 240
 ggactgtacc acttgggtga tgacatcgct ggagtttaca taaaagcttt tcaaggaaac 300
 taagggctgg aaggatgact cagctgtgaa ggcgctccct ggtgtcccg 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

<220>
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 <222> (121)..(121)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (156)..(157)
 <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> 3646
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 ncagtttggtt tcctccaatg gagcctcctg tgtctnnttt ctcccatggc tcaattagag 180
 ctaagggatg gatgccctga tgggtggtagt ggcttttctt gttcctgatt ttgatggaaa 240
 atactcttgg gttttgaggg tgccatagcc ctcaggagga acctgtgggc aatacgagag 300
 ccttggtgcc tctgaggctt ctccaggctc aggaaggagg ggtttggtgt ggatccatca 360
 ctgactagcc cancggtgc tctaattggtg tcctgtggac ctggatctga gatttggagg 420
 tgggtgggatg ttctcccaac ttttt 445

<210> 3647
 <211> 484
 <212> DNA
 <213> Mus musculus

<400> 3647
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 aacacttgtg aagccttttag atcccacaga gccctgattg tttaaagtgc cactgggttcc 120
 ttcttgggat gctcagagcc ctgcaaagag actgtaggag aaagaccagg tgctgctcca 180
 cctctgaggg aagcctaggg accatcctcc tgtgcagcat tcaagcatgt ttatatattcc 240
 atccctgcaa agaaggggtct ggcgtgctac atatgaaggt agctcccata taggtactag 300
 aggccttaag tcaaaagaca ggcgaccag ctgggcaaaa agcaagccaa ctacacactg 360
 gacagagaca cagtggaccg gaagcaaagt gatggggcaa ctacagtgtg ccaacaggag 420
 gtatcatgaa gccaggtgtc catgacacca ccatcacggg agactgcata tacacgtgt 480
 cact 484

<210> 3648
 <211> 311
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (280)..(281)

<223> n is a, c, g, or t

<400> 3648

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tcacgtggtg ctgacctgct gactgctctt tcaatgaatt ggcatacaagt tttttctgac    180
agagctataa gacattgaga aatgcacatc ttggtaatga ccattcttat tacattggaa    240
actgaaacag aagcctggag tcaatgcagg cttgtcccn nccccaccc ctgaaagtgt    300
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<210> 3649

<211> 519

<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

<400> 3649

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tgacatcctt agcacagagc tttgcttaaa gctgctccca gtgaataact agtggttgcta    180
ttgtaactat gacgattgtg gctgcccctg gaaatatgaa tcctagctct ctaaacaatag    240
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ggagttggtg gctcaagacc ctaattccag gacatggaag actgaagcag gattgtacta    360
aattgagacc agtttgagag gcaatattga gttttaggct agcctgtttt gctaagcaat    420
gttatatgct aattaattag tcagttgact aaattagata aatatatggt tgccctgacc    480
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<210> 3650
 <211> 392
 <212> DNA
 <213> Mus musculus

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 tttgccatag acgcgggacg gttttctctt ggtcaggaaa ggcttttgct tggaacctgg 180
 gtcttgcagt attgcccaca ctgacctcaa atgctggggc caagggttcc tctgccacca 240
 gctttccgag aagccggggc taggaactac agcttagaat aattacttac attaaaggag 300
 ataattttta acctgagttt tgctatctat ctcaggttag cctccacttc atcatcctct 360
 gagggataca acattgtgtt cagcctgcaa gt 392

<210> 3651
 <211> 512
 <212> DNA
 <213> Mus musculus

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 <222> (32)..(32)
 <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> (155)..(157)
 <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>
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 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gacagatagg actgcatgaa agagggcact tcagnnnagg ccaaccgagt cggtgcaaatt 180
 cagatgctaa cggcaacccc tccgcccaga aatcccaagt ggaaggacgc ctctcgtgaa 240
 attgccttcc gtgacagtta cagacagcct gaaggggaata cctgtccagg tgatacgggg 300
 caagaaaaac accacgatgt aagnatngtt tntacagatn tcacaacagg cccaagcca 360
 accccgttgg gattcgtatc atgntttggt gcaccagatg aagtctgatc tgggaccgtg 420
 ccagaaaaca cggaaggaag ncgagaaagg gtgaagagnt tntaaattag attctgctgg 480
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<210> 3652
 <211> 428
 <212> DNA
 <213> Mus musculus

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 <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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 ccttatgtgg cacatagcta ttaggatgat gaagagaaat gaacacctaa gtgccttctg 180
 tttgtctctc ttgtccact cctgtttctc atcctattct ctggttgact tagttacttg 240
 aactgtatct gtggacttct ttcccctctg aaatgatcaa attatttccc tgctcctttt 300
 tatttgatt gctcctagct gactgggtta tcctaaactc ctcctttagt gtagcctgtg 360
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<210> 3654
 <211> 504
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (148)..(148)
 <223> n is a, c, g, or t

<400> 3654
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aaaaatacag atgcctctgg gaaaccntc cctggggtgg ggagggtgcc aatgcccttc 180
cttcctgag gccagttcca tccctcctga ccagtcctt cgtccttgga gggctttctc 240
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gtccctgtga cacgtaacct atcagcacta acattataaa cagagaatt ttcacacgga 360
gtctctctct cttccaaaga ccacaatccc cacgctccga cctgtgttgg gaaagcggtg 420
gatggattga aataggtagc gccaatcac tgaaacctt ctaaagcctg agcaagagaa 480
accagccaga tcagtgtctc agtg 504

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<210> 3655
<211> 510
<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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<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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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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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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 ccagggtcaat 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
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<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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 tagattccgt atgtagatca ggctggcctt gaacatagac ttgccctggt tctacctcat 180
 gagttctagg tttgaaggct tgcattgacct tgcccaatga agcgtaactg tttctgatta 240
 ctttgtttgt tggtatnttn ntttgaagag acagggtcta accttgactg actttgaact 300

cacaggatct gactgcctgt cttctgagtc cttgggatta aaggctttca caaccactgc 360

caagatttaa tgtcttgaca attccagaaa gtaagggcac aaccacttg atagaaat 418

<210> 3657

<211> 389

<212> DNA

<213> Mus musculus

<400> 3657

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ctaattgtccc tgagctgtaa agggatagat gcttgtgccc aacaaaagac aagcccagaa 180

aaatgtcacc cactctcctg agaggacctt cactacaaga tcttaccgga ggcgggggga 240

ggagaagaag aggttttagg ggaactggag agatgactca gtgccaagag cactgactgc 300

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<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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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 attcaccag ctttagtttc ctgttttgat 420

ggtgtttctg cccagctttt caagacaa 448

<210> 3659

<211> 465
 <212> DNA
 <213> Mus musculus

<400> 3659
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 aggatttgta atctctcagg tcctaagaca gtttacagag tatgtatgtg tgtatgtata 180
 tgcatttggtg ttttgagggt catggaattt caactgcttg tgatatgact gttgataatt 240
 ctaaggataa agaaaattta gtgtgtctaa ctttaaacta atttaggctt gtacatttct 300
 agaactgtat gtcacagtaa attgcaattt tggttatgtg acattagctg acagtaaact 360
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 atatcattta tagaatactt gttacggacc agacaagctc tgtat 465

<210> 3660
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 3660
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 attcacatag ataagtaata tcgctacatc tatctccaga actctttggc atccagtttg 180
 taaaattgaa actctggaaa catgggttaag ggtgcttgct tccagggacc caggctcagt 240
 ttgtagtacc cacatctggc agctcacaac ccctgctcca gaggatctag taccctctgc 300
 tggcttctta gggcacttaa acatacatat aaataaaagt taatctttct tgttataaat 360
 aacaagaaaa tctgaacca 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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ctctctcctt tacatataat ccaaattggca 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 atgccttttc 480
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<210> 3662
<211> 467
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

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<400> 3662
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ggttgtttat gtacaaaaat 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

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<210> 3663
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<212> DNA
<213> Mus musculus

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<400> 3663
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caagacagaa gaaagaaata aagaaagaga gagagaaaga aagaacaaca acaacaacaa 120
caacaacaac aacacaactt tccttttctt tattccattg aaataacaaa gaaagtaagc 180

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acaacataaa agataaacat cccctaaaag aaacagcaca aagacctgtt ta 232

<210> 3664
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 3664
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 tggaggcagt gtttagtgct ctgaatggga atgtttaagt catggacctt cagtgtcagc 120
 acatctcctt gtagcccagg agaagattgg aactgccact tggtagtcag gccttgccgt 180
 gagtaaccac agtgccagta ctgaagaggc tgagggtggga ggggtggtttg ggcaaaataa 240
 catgaagctc catctcagag aggagtcctt ccttagctag tttgaacttg gcagttttaa 300
 gaaactctag aaatgggtcaa atgttttggt gctgggtcatc aaattagctt tgattacaga 360
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 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

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 aatacttgggt aaaatctagg catttctaga gactttntaa gtaggttgga ccttcctcct 180
 ctccagaccc tggactcact ttactgagc tctctctacc ttctcgagt ttctgaccca 240
 aatgcacttt tgggtttgtt tgccataaca gctccttccc ttgggttcta gcttcagtac 300
 catttccac acaggaactc cagatgaaag cttctaact ctcaccaact ccttagtaca 360
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aagtgccttac tgtataactca g

441

<210> 3666
 <211> 506
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (104)..(104)
 <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> (288)..(288)
 <223> n is a, c, g, or t

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 tgtcagcctg aggacccggg ctggtactta caacaaagca tggatgatc atnaataatg 180
 ccagcacagt tgcataacga cgggcacatc cccggggaat cagctgccag ccaatctcat 240
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 tgaactttga cctctggcct ccacacacat gcatgagtga gtgcacccac atcaacacac 360
 acacacacat gtgaaaaaca aatcttttaa aataataata tgggttccta agtactggaa 420
 ttgagaacag tgcctacatc ccaacgtttg taagatgtca gtggactgca gaataagtgt 480
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<210> 3667
 <211> 464
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (28)..(29)
 <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> (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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 <222> (58)..(58)
 <223> n is a, c, g, or t

<220>
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 <222> (62)..(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> (124)..(124)
 <223> n is a, c, g, or t

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 ggtntctggc ttatgatagt tcctattttc ttaaagagaa acttgaatgg atgtgtttat 180
 tttccaagca taaaacgaga caagttttca acgaagaatt tcacagtctc tttattttta 240
 tgaacatttc ctttctttct tccaatactt aggtattaat tactacagca accctcagtc 300
 tcacgctcca cttttgtctc ctgttctctt aaaggggaaa aagtttaaga attttctact 360
 ggtctcaaac tctgatatct tcggtgttga ctttcgcacc aactgtattc tgtacctttg 420
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<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

<220>
 <221> misc_feature
 <222> (293)..(293)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (314)..(314)
 <223> n is a, c, g, or t

<220>
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 <222> (416)..(418)
 <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> 3668
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 taatgatctg cagaagagag ctgccatcac tttctcacat cccaaggtgt tggcggaact 240
 cggagcgagg ggagagtgcc tgtaatgctt aattgccaag gggagggcgg ggngccactc 300
 gggaccccg gcnnggcttg 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

<220>
 <221> misc_feature

<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
 gtttttctgt ttgtctggag cactttaaaa ctgcaaatgc cgaaagccta aaatcaagct 240
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<210> 3670
 <211> 179
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (43)..(43)
 <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> 3670
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 atccttccaa gggcagtgtc tacactctgc cgtctttcca acaggcatcn ttgctatctt 120
 cttccttggt 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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 gtggggtgtg gacctaataat 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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ctctgtttgtg cctgggagcg tctggggctg cgtgtcctta cagtctgacc ttgctgggtcc	120
caagccatac acaagtgacc tggaaagtca caagtgtcag tgttgtggaa aatgttaagg	180
aagggctctcc 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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acttgattta tcttttcctt ttcaaagaag cccttggtc acccacactc aggaacagtt	180
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<210> 3674
 <211> 320
 <212> DNA
 <213> Mus musculus

<400> 3674	
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cctaagcagg tataatctgg ttgtgtctgg ccctttctga cccagacact agctaacatg	180

atgtcctggg aaggaatttt cagaccattg ctattgatct caaagcctct gctttttcca 240
 agtgacttca gacgggtcca ttctgactgt gactctactg gccttccagg caaagcatct 300
 tgggaggttt cttctttag 320

<210> 3675
 <211> 326
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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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 gttagtntc ccttcccagt cctcccagga gctaccagtt gaacttgatg tttcttctca 180
 gctgccctgt acctaccgtc tactgtgggc tgtagcagcc tgcagttatt actcgtgaga 240
 attatctgta gagctaagtc cgtgggtccc tgcttcagtc atgtctcctg catgtgagga 300
 agctgactct tcagtatttc ctggaa 326

<210> 3676
 <211> 314
 <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> (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
aacataaata ccctaccgat tcacaactgc acctgtcgtg caagtgtgca gtccttagt 300
tcgctgtttc tact 314

<210> 3677
<211> 237
<212> DNA
<213> Mus musculus

<400> 3677
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tttttgggca cccagcatgc atgtggtgca cagacatata tggcatgcag gaaaaatacc 180
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tccctcgact tctccctatt ttctctcatg gtgtg 155

<210> 3679
<211> 108
<212> DNA
<213> Mus musculus

<400> 3679
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 atnccactgt gttnttaaag ggaacattca ntattgctag agaccgagaa aggctctctg 180
 cagcgttggtt tttatgggaa gaaatatgta ngtagagaan ccnacagaca ntgcagggct 240
 aaatccatnt ccnctncct tggtttctgn tttactttta aaagctccat ctgtntcatc 300
 ttcacaantn aaccagttcc caaagtataa tgcattntaa gtatttagta tattgataac 360
 ggcttgaaat ctacagaata cctgtgattt ttctcacagc cgnaaanacc cgaactatta 420
 tgtgttcaac caaggagagc tttaggctgg gccactatt ccactaatcc tcattgtttg 480
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<210> 3681

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 acctgaggcc acctgngaga atgggttggn aagcagccaa gagaacccaa agcaaaacgg 180
 aatgagtaca gccagccctg cttgtggtga gcgtggggca gggaatctgt tacagccact 240
 catccactca tcatgtccag cctggccaca ggaggggtgca gaaccaggag aggaccaac 300
 actgccacag agatttgac acaaggggtt ttagatgatg tgtgcattct aacacgtgac 360
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aacagaggaa gaaaggagtt gggtgacgtg agtcacggtg gtcataacct cttctttcag 180

gaagccccga gcacctatct 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

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<211> 383

<212> DNA

<213> Mus musculus

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 <223> n is a, c, g, or t

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 aaagaatgac gccttttcaca tcatgcagta catttcanaa ctganaactg acaatcggcg 180
 agagtggaga acagcaggct ggataatant tggagactnc attgaatgct aatgactaag 240
 ccagtgcann nncaaaagta tttaaggaag gcagaaaacc gatcgatcat tataggttta 300
 tttttaacag gctagtctctt ttcatatgct cttaaattga attctaacat ccttctctgt 360
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<210> 3684
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 ctcttctggt ctctaagggt actgcatgca tgtggtgcat aaaaatacca tgcaggtaaa 120

cactcacaca catagaataa actaaataaa atctctatctt aaaaacaagg ggtaggagag 180
 ttgtctcctt ggttaagagc acttcttgct cttgcaagga ggccccaggt ttactttctca 240
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<210> 3685
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 <212> DNA
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 taaatttcaa agcaatagga aaaagcaaag taagaaacaa agcaacaaat aaccaacgta 180
 taaagttcag tacagttatc aagatagacc cttgaaattc agaaacgcag cagctggacg 240
 gatggctccn cagtcaacat gtactgtctt tgcagagaca caggttctgt ggactggctc 300
 acaactacct gtgactccag ttccaggggt ccaatacctc tgattgtgca aacacctgca 360
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catcagcaaa gccgagttca cacacacaca cacacacaca cagacacaca cacacacaca 180
cccatcccc tgttacatct gttctgagag tgctcnaata ctatttacca aggagggatt 240
ttaatctagc cacacagggg agagctggct ggtcctcact aaactggctc ccagtagaca 300
agtgagtgct tcccgtgata catgaagatt tttgttcct ntntntggca gtgtagtgat 360
ttttcagtgc tgttaatntn tggttgttta cgtgacaaca gtgtggtgtt atgaagtcag 420
tntccctcct ggaaggggaat cagccaagg atgtntnttt gtccattggt ttgattgatc 480
agtagctttg agcaatcctg ttaact 506

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<210> 3687
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<212> DNA
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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 aaccattct tttttaagat gctaaaaaac 420
caaacccaac ccctttaata tatatatagt atatatatta tatgtatata atatatatta 480
cactgccatt tccatt 497

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<210> 3688
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<212> DNA
<213> Mus musculus

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ttaagaaatg gcagaaacag gcatcttctc ttgctcctgt tttccaggaa agttttcagt    180
cttttacta ctaggctttt tgttttatgt ctgtacgctt tctggatcaa gttctctcca    240
gcatgctgaa caagtcta at gccaccactc ccacctcagc ccttgatgt tttacgtagt    300
tgctgtaccc attnttagaa atgccatctt cagggttggg gtgtggcccc gcagtggaag    360
ctggcctgtc agtcattaca agtcctggac tccatcccca gctgctggtg taagantagc    420
acattatact ctctaacctg cagaatgctc tctttccctc tcagtgtgt caacttttgc    480
ttggtgt                                           487

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<210> 3689
<211> 540
<212> DNA
<213> Mus musculus

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<400> 3689
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gtcatttttc tgctgtgtg ataaaaatac catggccaag gcaagttata gaattgtatg    120
atactctaaa gggtttatct gggcttactt aagggtccag gaataagagt cctccatctc    180
ggggcgggcat ggcaacaggc agcagtagaa gaaagctgga agcagacaac tttaacctaa    240
gccc aaagca 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
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<210> 3690
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 tcagngagag accctgtctc aaaacataag gaggctagca attgagacca ccaccagtnt 180
 ctggctgcct gcctcctgcc gagtacacac acacacacac acacacacaa gcataaaaga 240
 cgctggcaca gctgcacaca tctgtaattc cagcattctg gggactgagg cagggccata 300
 gtgagttagc aaataccttt gcgctgtccc tttgagagta aagaatgggg tgtttaccac 360
 cgatggtgaa acccctctga gggatcaggt tccctgtctg ccccccccc ccaaagctca 420
 cagggaaata agacagttgt gtgcatcttt gtgtgcaggt gacctctctc ttggacaggt 480
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 gagcatgaga acagacactc cgaggaccta gatcatatcc acgatgtagc ttatattatg 180
 caatggtggg acaagggccg cctggatatg cttgcaaggt ggaaccctct gaaagagaca 240
 tagtttgttc tgtcatccct gtgaggttca ccaaagcctt aagctcttgt agttcattgt 300
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<210> 3692
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<212> DNA
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<223> n is a, c, g, or t

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aaggggaagg atggcaaac agagagtaca ggagagtggc cttccccaaa gacacccttc 180

tccactgct gtgacattgc cccactctg gccccagca ctctctcgag tgggataggg 240

tagtacctgc atagnacggg tcttgagcn tcaggagctg gggctttntc acanntggnt 300

tggccgaggg gntnttgat gntgntntnc atgctgagaa aggtggtgct ggctggagca 360

ggaccagctt gagctacccc caaggccctt taaagcccct ttntccccag agctggcagc 420

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<211> 564

<212> DNA

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 tcaagggagg ccaaattctct gaaggccgag taagctgtgg aagttggagg ggggtgtggg 480
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 <223> n is a, c, g, or t

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 tggctaccta tcagttttta ttcttactgc gtcacaatta ctggagaaga aggaggtgaa 180
 gaaaatgncc ctcagtccag actctatntg gatttcagtt ccctagctat gagagtggnt 240


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atcgggatta attctaaagc tctgggggttg attacaccgt gcagcctgga tgaagagcta 300
gatgtaggta cttctgtgtc cactgatata acataacaca cctgggagga cggctctgtc 360
gatccctctg ttgagtctcc ggcccggagg ggatgggggtg ggggggacag ccgactggca 420
gggatgctgt gacgacgaac ccaaatactg ctccagggga acaactgcga ccagccccac 480
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<400> 3695
cctcagctga cctttgcaag actaggggaag aagagtcgcc ataaatgtgc acattngatc 60
gcgcataatt tatggtgccc ttaattgtca ctacaaattg cattcctgag gagcaattta 120
gcagctggat gctagtggat gctagcagat gcaggtttgc acctctgctg agttgggtca 180
gctggtcccc tcattagctg caggaggccg agccctggaa aggagggaag gataaaggca 240
ggcggctcag cccttcctcc tgtgtactga tgtcaccatg ccctgcttct gcctccacag 300
atccagctct atttcgcatg cttgccagag gaaaagggtc cttatgttaa cagccctggg 360
gagaaacaca ggattaaaca gtcctgttac cagttgcctc cacacgataa 410

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<210> 3696
<211> 510
<212> DNA
<213> Mus musculus

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gttntcgtaa aagctcacia ctacaaatta atacatgtgt gtagaactat cacatacata 120
actgtttaac tctgcatggc ttctcagaac tttaaaatta tcactaattg tatatcacia 180

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ctgataaacc acagtaaaat tagggactgg gttaggaatt aagactcctc tgcccactca    240
gatttctttt gcttcaaaca taatttagat atatctacta tttattgtca tttatgaaat    300
acaaagtaac atccaaatta acctaaagat tgggccaact atgtctgcct tagaaaatag    360
tgtcacttgt gctcagttca tcctatcttc actgtccggt acagtcccga tggcagcctc    420
gaggctctgg attacccttg gacactgagc tcagggagaa ctatgtgtgg ctctctgtag    480
gggtcactct tctcgtaggt gtggctggca                                     510

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<210> 3697
<211> 312
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<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

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tgacgtcacg gccacnaagt ggtttttgtg ttgtaccctg aggctgtttg ctgaactcaa    120
ggtcctgccg gttcccctga gttgtcttca catattggtg gagagtccac tttgaaatac    180
ttttgtggga gttgtaaact ctttaagtttt tgcttattta tgcctatggt ggatagtatt    240
tgtgaagaca attactctcc tgagtttaat ttgctctttt aaaagaacat tgactatttt    300
gtgaggttct tt                                                         312

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<213> Mus musculus

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<220>
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<222> (37)..(37)
<223> n is a, c, g, or t

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<222> (61)..(61)

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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

<220>

<221> misc_feature

<222> (95)..(95)

<223> n is a, c, g, or t

<400> 3698

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naaanttgcg cggccacctc catcctccag ctcgncaggt tccaagggaa ggggtgacaa 120

cctgatgaag gagctgctgt gcagatgccc tgggttagtg tcaccttgga aagtgactga 180

ggagccggca gacatTTTTT tttctccatg gcagctatTT cttgaggtct gaggtagctg 240

ccaggggctg ggttttcagc tttccacagt ccacctcaa gctagtcagg ggggttgattg 300

aagtcttgag agtaggtgaa gctcttgcaa cagtctccag gatgtctttc tgctctccca 360

agcagccctg gtagcaacac ctgacctgtc agaagcacca ggagaagggt gaggaccag 420

tgctggtcta actagaatct ccct 444

<210> 3699

<211> 546

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

<220>

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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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<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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 <223> 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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 <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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<220>
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 <223> n is a, c, g, or t

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 ccaccactca gtcacagcaa tgacctcatc ctttcaagtg ccagagnagg caaactaanc 180
 cccagnagna ncctggnagn agagcctggc tcccatttcc tgnctttcag ggaatccatc 240
 cgctaagcct ggcttctggg catccctcga agctggcgga gctcaattgc ggcaggaaat 300
 ttagaaacag gaaagttcct cagttgccac cggaaggac ctgggccaag ggctggagag 360
 ctagcttttt ggtagccagc cctaaggaag caagacagag tgacaggaga tcttttcaat 420
 cggggtgcta cattncgcta caagctgagc gacaacaagc ttgttctggt gacttaggaa 480
 gcgtcccaa gccattcaag ctgcctgact gtacttgggg aggaccaag gctttacatg 540

gctaaa

546

<210> 3700
 <211> 479
 <212> DNA
 <213> Mus musculus

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 <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> (435)..(436)
 <223> n is a, c, g, or t

<220>
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 <222> (438)..(439)
 <223> n is a, c, g, or t

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 cacctctggg cagaacagca aaactaactc tgggatgagc aaatcggctt cctttgcgtt 120
 tgagttccca aaggacagag gcagattgga ggcatcttca cccntcccc 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
 gcaaacaaac ctggnngnng tgtgtgtgtg gtgggggacg actggctatt tgaaatgaa 479

<210> 3701
 <211> 505
 <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> (254)..(254)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (263)..(263)

<223> n is a, c, g, or t

<400> 3701

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atgggtgtgac ctggacctaa ggatctcagc ctgggtgcc a ttgaggctga agatggctgg	120
gttgtgggtc ctgcaggatc tttacagcta cctccacttt cacctgtctc atgcttgggc	180
taccatcctg tgcctctcca ggcattgcaca acagcatctc tggtcattgc catgtnttct	240
cagaggtgct gtgntgagaa ggnaatcccc ccagcttgg a aactgctggc ctgagggaca	300
aaaagaaaac aggggaagaa gtgtgagctg tgaccaagag taaaccagtg ggctagggag	360
atgcgactca gcagttaaga gcaactgtatg cttttccaga ggaccaggt tcaatcccta	420
acaccacat ggcagctccc aaccgtctgt aactccaatc ccaggagatg caatgccctc	480
ttctgacctc caaagacact gcatt	505

<210> 3702

<211> 504

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (72)..(72)

<223> n is a, c, g, or t

<400> 3702

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gatgaacacc angcacaagg tcacagagac tctgcccaca tcatcttggg tatcaaactc	120
aagtagaact aatactgtc gaagacaaat gtcttttaaag tccactgtc cagttacaaa	180
taaacagagg aaggagagag atggggaggt ggtacagagt gccttgggga cagaaggaag	240
aaaataccca gagcatgcac aaagccaagt ggtgacgaac tctggaggac ttatctcatc	300
caagagagag ataagagtgg ctggaggaaa cggggcttgg gagacacccc agtctctaaa	360
gtgctggccc cacaagcatg aggacctgag tttgatcgcc aaaatatata ctttaaaagt	420

caagtttagc agtgtgcact tgtaattcca gtactgggaa ggctaagaca ggccgctact 480

gggtttcacc agacagacag ccta 504

<210> 3703
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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> (45)..(45)
 <223> n is a, c, g, or t

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 <222> (134)..(134)
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 <223> n is a, c, g, or t

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 <222> (167)..(167)
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 <222> (181)..(181)
 <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> (214)..(214)
 <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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 acaacatccc acccactttg ttctacatga aggtcaaacc caagtgtgta aggatacact 120
 tcccttacac ttanccaacn tgacttcaga aaaccnngga ctttngncct gntctacagg 180
 ncataaactt ttagctttac ctcagngtac acanttatat attatcagtg acaatcaaaa 240
 tcttctcact tanctctagg tcttttggtc 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
 ttga 544

<210> 3704
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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> (155)..(155)
 <223> n is a, c, g, or t

<220>
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 <222> (170)..(170)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<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

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<221> misc_feature
<222> (189)..(189)
<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> (209)..(209)
<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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<222> (255)..(256)
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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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 ctgccactcg acagaggaag ggcctctaac atgaagtcac caacatttgg ggactgtcat 120
 taggaaatcc tcaaatgcct tttgnaaggt aacgnaatct ggttctaaan atgggggnat 180
 nctggcatnc cttcacagtg cagtgnagnc gtcattgttg ntctgntttg ggnntttggg 240
 gggggtgcna tttanngaca gagtctcact cnttttagtcc aggttagtct taaactataa 300
 ttctttctgtc ctgtctncct gcttttagaa cangcatgtg ccagcctgtg gtctcagtgc 360
 tgtcccttac gtctaacata gagtatccat agtcagtatg gccattaacc agtttaaagc 420

<210> 3705
 <211> 530
 <212> DNA
 <213> Mus musculus

<400> 3705
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 ttaaaacctg taatccaaat aatgcggagt ggattcagga ggacagcaat agcaatgcc 120
 tgtgggggcta cacatgaggt caagtcaacc ttagaaaaca atgttagact ttaataaaga 180
 aaaatctctt cagtaaaaac gagcctccag ctctggctaa cactaagggg agccggaaaa 240
 aaaaaaacag atatgctaac gtacatacac aataagtgtg tgcattctgc atatgctgtc 300
 aaactgaaga aatgctgttt actgccctcc ggctatcatg gctccctatc gaatacaact 360
 caggacaacc tgcacagaag acctgggttt agttcccagc actaacacga tgacacaaag 420
 ttattgagat cctgtggcag agcatctaata ggcttcttct atcttctgtg gaaaccaaata 480
 aatcaaatga tgaacacaca tacatgggag caaatcacc atgcacatga 530

<210> 3706
 <211> 544
 <212> DNA
 <213> Mus musculus

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 <222> (126)..(126)
 <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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 <223> n is a, c, g, or t

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 <222> (213)..(213)
 <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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 tggatgacac aggtcatcac tttatacctg cccttcacct nactcattgt gttatcccag 120
 cccctnatct tcagtgtgcc ctctttcaa acccagnaga actttctagn tgtgaaaagc 180
 aatgacccta acttcagata tttnaaatcn ggnccaatat tnccatgtct aatctctgag 240
 tctcatcccc acctctgtat ctgactttct gttgtgcac ctctcactc tgtcaccatt 300
 tttaagagac tatgaagatc cttgtgtaaa cgcattttc ttcccttctg caaactcct 360
 tcctttttat taggacaggc tcattttctaa gtgtgaactc ttaataccca taagcactgt 420
 tttcttgtaa tgtgctgtgg ccacatgtat tagaatctca gaatttcct accagggaat 480
 atcatgccta aagcccagca tggaaacaca atcaggagaa tatgacttcc ctggagtcta 540

gcaa

544

<210> 3707
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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> (251)..(251)
 <223> n is a, c, g, or t

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 attggtacct ctctcctctc ctcnngacct gccagccttg ccagcaggag aggggaaccag 120
 agacttagta aancatatchn aagcatgcta tncccaggag tgctgcatac acagctgctt 180

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gggntcttct gttagggccct ggtatttgca ggctgtagat ccaacacaac gcttggtgtgt    240
aatcacagac ntcatacttc tgagacactt tctggacctc tcttttctact tcagtttctt    300
aagacaaact tcaaaatctt gatctcaaca cttgtaatga ccagtttaac ggtcaacttt    360
gcatagcata gaactgtctg ggaagagagt ctcagtgagg aattgtttac attggccggt    420
ggatatatct gtggaagata tgtcttaata aggttaattg aagtgggaag actcagtcca    480
ctgtgagtgg cacc                                                         494

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<210> 3708
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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gggtgaagca tcttgcattt tggccccgaa gtattagtcc caactcatat gttggacctt    120
tccccaggtt atctgagttc agtgnacatt agttgtccaa atagaaaagg gggagaaaca    180
attcctatgt ttgtatgtat gtgtgattat gatattctgt gagaataacc taccactcgc    240
tgggcatctt gggattgtaa cttttaacaa taattagtat tagtagtttt ttgttatttt    300
aatcccatgt ccagtttaac ttcaa                                           325

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<210> 3709
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<212> DNA
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<222> (97)..(97)

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<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> (109)..(109)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (125)..(125)

<223> n is a, c, g, or t

<400> 3709

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aattcattgc ttctgttttg aaacttttct tgggtgnaan ttgagcagnc tttttattaa 120

aaggnaatat ttattaaaat tcagcttaga cttttaaact gtctcttgaa tctataacaa 180

tttacatttg ccttttaatt cacaattatt ttaggttcatt ttaaataatt ctcttaatga 240

cattttatga cctaaagctt tatctaaata tttaacatca aatttgctcc cttataaaac 300

acagatgta 309

<210> 3710

<211> 553

<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> (117)..(118)

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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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<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> (169)..(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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 ttgtttttggtt gtnggggggtt ttgtagacag acactccaaa tgaaggccag gctgaanntg 120
 gactcaagta ntttctgtct tnagaatcct nactacntga attnaagggn cccagnanct 180
 nactgtgtgt tctgtagctc anttctttcc ttagagccat tcagangggg gggttattant 240
 tctagttnaa caggtgagga aacactgtgc taattnccca gtgtccagag gctgattgaa 300
 atactgtatg catgcctttt gttgatgctt cttcgngnct gtttgctttg gttttgaggc 360
 aaagtttcac acagncccaa gctgctgacc aaaattcatg atgtagctga gaatgacctt 420
 gaacgcctgt gactcctcct tccacaggag gtacaggcat cttatgccac tcctggccgt 480
 tgtttatgtt taaaaaaaaa gccccaagg attcactaaa cacctcacca taaatcatgg 540
 cttcatcaca aga 553

<210> 3711
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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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 gttctctaata gaatttgaag tcctgtctca aaaaaaaaaag taaaaatttt ggtagaagag 120
 anttaagagt aagaggncag caagatatga taatgcctgc ctatatttct agcaatgatg 180
 tggggagtggt tggcaaagtc aggatttcta cgagttccag gccagcatgg gctacatagt 240
 tgtaggtggg agagaggaaa gagggaaaaca aaagggaaaa gagtgagggt gtcntgcttg 300
 gtatggacct catcagtatc agnctaggat gtatttgggc atgtagcctt tttctagtct 360
 ctcttttctt ccnctgttct cnttgtgacc aggacacctt gattgtcact taagnctaca 420
 tgctttctgt caagtagaaa tcctagctcc agcagggcaa 460

<210> 3712
 <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

<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> (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 naatgccna ntncatatn cgaanccacc      240
nttttattac nancccccct gccccaantt tcagangtgc gcnttttctn cacatttttg      300
gnttttggtt gggttttggt nntttttcat gtgtgtggtg tcctgggttg gatgaaatag      360
aaataaaggg aagctaggtt ctggcagctt tggaatttac agnccaagat cttccttatt      420
atgaaattca aaccagggtt agtcaagnaa gtggcactgt ccttgcattg ctagatcttc      480
tcttctncag caaaagcctg acaccttggc tactggggga tgacact                    527
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<210> 3713

<211> 502

<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> (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 ctttatgctt      180
tcttctggtt caccctcttc cttttctgtc ctncccccn cnnncccggt gtttcttctg      240
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tcttaccagg 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 tctttttaac	480
tacttgtcat tgcagaattt gg	502

<210> 3714
 <211> 513
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (27)..(27)
 <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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 <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>
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 <222> (82)..(82)
 <223> n is a, c, g, or t

<400> 3714	
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tagnctttaa gaaaattggt cncctgcatac agctcagaat ttacgttttc 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>
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<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 cccaggttg cttttggtca tggcctttat caagctatag gaatcctaac 120
taagacaccc agcatggctg natgtcttaa ccagaggaat ggactgatct gagttcatgc 180
agtagcctgg tngattatcc tttttcattt aagggttctct tacaatctgg gtcttgcac 240
tttaaaaaaa gaaaaccaca gaggtgagat agggctatca ttcagtggaa gggtgattgc 300
tagtaggtgt gaggcccca cactttgaga aaattaataa ataaaactaa ccaataaatc 360
tcaagagcgg tatcctcttg gtcaacagca aatgccatan ctttcttata actcgactgt 420
tagacacata gatgtggttt ttgttttcct ggtgggtgtaa 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 ttctacttatg gtcgtacatc taagaaaccg 240
acacccttga tgggtctgagg atttgacaag tgatcccatc aagccagtg 289

<210> 3717
<211> 520
<212> DNA
<213> Mus musculus

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<222> (201)..(201)
<223> n is a, c, g, or t

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tgcttcagat ctgggtataa ggagagagcc accatcttgg tttctggcta gttttatctt 120
gttcagcatc aacctatatg taaagaatca aaaatactca aaagattgtt agactgaatg 180
gtaaactaaa accaactcag ntcaaccaat aaactgtcaa tgtcaacgaa ccaattaaag 240
ggacgggcct gcctagtgtg ctacttacat ttgtaaccct ggtactccag agtctgaagt 300
ttgaggctaa ctggcctgca gaataaaca atacagcaag aattaaatgg aataaagtcg 360
aggaggagag ggagtgagga gtcattcagg 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
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ggttcaaagc cctctgctac ctgaccttac ttctttcaga gatataatga ataagttcac 120
aagcaaagga gaagagatag agagctaaag agaagtcctg agaggaagct ttcacgtttg 180
gggatagtca caggagtggg gctgcctttg atagatgagg ggccaggatt catgctttca 240
tgctgtctctt agaaccacaaa aaatctgtca ccaatgaaag agccacaggg cagcacgcag 300
tgtctgtctt ctgatattca aggcaagaga ccgcaaagct caggaaatga gaagaaatcg 360
agaagcccct actgaacaca aatacatatc tgtaattagc cctgctttga ccctaata 417

<210> 3719
 <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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 <223> n is a, c, g, or t

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agttgggtgt ctatngagac ccagagtctt tcctctgttn aaaccangat ctatnaactg 120


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atcnaccctc ttttggcaac ttcanctgca tcattctctga tctatgtcct aagtataggt    180
actccttttc tttcctnaaa cagaaatggc tcacctatgt gcctatgtgt gatcagagtg    240
tcatactctt atggtgaggg tagaacgcaa aacagtcttt gtgactgcct gtaattatca    300
gaaagctccc actgactgcc aaagaattta gaggtataca ctcaactctgc tttccttctg    360
gaaagacaac cagggcaagg ttggatctgc catgtgccca gtatgtattt ggacagtgat    420
tactttctctg aagtaaagct ccagaatgct tggatgtgcc tt                        462

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<210> 3720
<211> 481
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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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cagggtccctc ctttaatat ctagaaaata tccaaagggc taaaaagttt tgctttcaaa 120
gtagtgaaat gtgtaataata aggctccaga gaatgcataa ggtttgaatt ttaactaaat 180
tttaacnttt cattagtggc ttnaagtnaa tgttaacatt tggatcatga aaatattcaa 240
ggcttttttg actttctgac atactacttg atgtctatat tttagcagaa atcgcttttc 300
ttaatcagaa gcctgcttta aaatttctcc taatgacacc aagggatcct actagctctc 360
cacagtcaaa gtctttatgt cttttcctgt cttgtgtgag ctgtcttcca cttacanncc 420
ctgcctggcc aagcccagga gttgtagagt cttctctgtg ccaaattact tacctgcctt 480
t 481

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<210> 3721
<211> 537
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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ttttgttttg ttttgtttta acattttttt ctatttttat tttttatttt tatttttcct 180
taaatttcat gtgtatgagt attttgccta ctgcatggtc tgagtactgt gtgcatggct 240
ggtgccctgag gaagccagaa gtgggcattg gatcccctag agttacangt gggtgggagc 300
caccacatgg gtgctgagac ctgaacctga gtcctctgta agagcgcaag tgtccttaac 360
tggtgagctc tctctccagc ctcttagtta ctgattttgt gtatgtgtat gtgtgtgtgt 420

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gtgtgnnagt gtgggggtcag aagacagccc acgggggtgtt ggtccttcta cagtgtgtct 480
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<210> 3722
 <211> 456
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<220>
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 <222> (109)..(109)
 <223> n is a, c, g, or t

<220>
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 <222> (157)..(157)
 <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

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 ctgcatacct attttgtntg tgggtggcttc agatggaacc cctgtgccnt gcacacgcca 120
 ggcaacctct gtaccactga gctacacccc taaccntttt cgaatatatt tgagaccggg 180
 tcttgactaa gttgctcagg ttaatcgcca acttgcaatc atcccgtctc agcctctggt 240
 atacnacagc actcatctta cantatttga aaaattatta atggtgataa tagttttattg 300
 aaattctttt tcagtttttag tcatggcttt attttttaaa 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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<220>
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 <222> (107)..(107)
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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

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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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 <222> (390)..(390)
 <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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 caagggttaga caagagtga tttgtaaaaat gagcattgta ttggagnatg taaaagtgtg 120
 aaacaaataa cagtaaaaac ttnataaatt ctctctcttcg ggggatagtt tcgatgtatc 180
 tgcatactctt ttaattatat atacanagtt ttaaaaaaaaa tgtaaacgga gatgttttct 240

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aagtaaaatg ttctgattgt gtgtgtttctc 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

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<210> 3724
<211> 538
<212> DNA
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<223> n is a, c, g, or t

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<220>
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<222> (101)..(101)
<223> n is a, c, g, or t

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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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 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
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 tcttnatggt gncaatcctg cagagatgtn ccngangtc tgcacccggc tgatttcnag 180
 ctagtaaatt ngcnagctag ggnaaaaaaaa 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
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tcaaaatctt cttgggaact gttaaaaaga tttttctcgg ctncagagtg cgtcatatcc	180
agaatcactc tgaattttgt aaaccaccag aaaccgtcca ncaggaagcg accagctggg	240
ncactaagtc ccgggtctga agttggccag ggacaggcca tgtatgaatg gctgtgggta	300
gtgtgttctt caagtttggg ttttgggtctc cttttttcng tcctccacct tcgtgatgtt	360
gggtgaggtc cttaaccttt ctgggtctca ttttcccacc ttgtaagatg agggatgatga	420
ccccgtttgc ctgcgagagt cattacagat atggatgatg ttcagagagt ctaaacgca	480
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<400> 3727

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cccccttcta aaagttgctg tggccacggg gtctctgcac agaaagagac cactgactag	180
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<210> 3728

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<212> DNA

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 aaataatagc actcagagga aagtgataat gagtgaaggt aaagaattcc tgaaacataa 180
 aaaaagaaac atagaacacc taggtgtggt gtcctagagc ttagggaggcc aagaggatga 240
 ttgtgaaccc aangccctcc ccagtgaatc tgaagctanc ctaggctaca tagtgagagc 300
 ttgcttcagc ccaatccctt caaaagaaa gatgaaaaga agaaagcagt attttcattt 360
 accatttatt gatgttaaga agtgcatttg ctcctcaagt aaacagacaa tggaaagggt 420
 tattacatgc ttaaagaaag ttctggaatg atctgtgtcg gctaaagatg tgaaacatgg 480
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ctacacccat tcacaaacaa gtattttacaa nggcctaggg ggaaggtggn actatacaat    180
agactagagt aggaactang gcnaaggcac gaagcccttg cccnnggctt ctaagattaa    240
gtggacctta ggtgggggcta cttttgattc ccaactgtta acattgagtt ttatcccagt    300
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<223> n is a, c, g, or t

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gcagctggag aggacagcct ggatgcccac agcagaaagc tagtancnnt tcatcatgtt    180
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 cgnatctgta gtcacactag tgtgttttcag tgtgnattct tgaggtagtt ccccttagnc 180
 cacagatctg ncagccactc agtgtgattt agatttacct aaaccaggta aatgtttacc 240
 tgnataatgt tagttaatgt tgtctttttag gaagcagcaa tgtcctcact tataggaatg 300
 ttccacacaa ttaaaaaaat aattaattaa tcacagggnn nncnnntnaag aacactttgc 360
 ttcccaaagg gcttgagatc agtccttagc acccacagtg agtggctccn caactgcctg 420
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 taattttngg ttacttttnc aanggtatgn ncanggggtct tactaagata acaaatgcat 180
 aaacccaaan ataattaaca ttgacttca ttatgaagag ttccatatga gcttagggta 240
 cttctatttc attttgcct cttaacacaa ggataattat gacataaang aataaattca 300
 ttagcatatg ttatcactac ctgtatgtag cagaggggtt ttattaggaa aaaagtccac 360
 gtttttctag accgttactg atttaatcat gaaattaaac tactatatta caaaataatg 420
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 ccctatcacg tgtgtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncctgga 180
 ctactctctg gttttatgac ttatgtctgt gctcacacct tcatatataa gatatgcata 240
 tgagaatgtg acatngtctt tctgagtctg ttacctntgc ttaatgtaat tncagatgt 300
 atcatcttcc ttaangtttt ataatttcat tcttctttng gctgaataaa attccatngt 360
 atacaagtac cacatgttta ctatccattc attgggtgta atttccttcc ttgggtgact 420
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 catttgcagt ctgaggatct gccaaagatag tacaggctgt gccagttct ccctctaaga 240
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 cccaacatgg gtgtgggagg gcancttgtc agaccttctc caggaagctc actgccctct 360
 gttccttctt tctctntggg ctacactctc agagagtcac ctggaacgct tcacacaagc 420
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gtctcnggtg gtctcnnagt tagcaggacn gaatgaagac agcatcaagt gcttattgct      180
gnagctggga cnnccatagc tcaccagntc tgctctacaa ggtgagtttg ttctgatttt      240
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aggatagcct ggagttccag taagcaagac tatatatatt tttaatgtag gaattagagg      360
agaagaagaa aaccatagag cagcaaggtc ccgctgggtga ccatgactta ggggttacct      420
caaaacagag agatttacca tccagtctga catcaactac tctgtggagg acctttgacc      480
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 gtgtcataga caccctgtga ggacctcta tntaatggca ncctgttggt cagtgaacana 180
 gtactgtaaa gcagcaatga cacaacact tatttcaagt cnggggaagg naaggacatt 240
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 ttattgaata ggggtggtga anggtgggtg agcaaacgtc tttctctagt gatgaacagt 360
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 tcagtctgca cttcaggaag gccctgagct cacagaaatc agcctcagcc tcctgggtgc 180
 taggatgaca agcatgggat agaatgcctc tctgtnggaa tgtttcctat catcccatct 240
 ataattattg aaatgagtaa gaaaccaatn cagaactatg tgagtaacct tgagaaagcc 300
 agcatgtttc ttgagaatta cttccacaaa cttaatgatg aagagacatg atagaaaaga 360
 tccccaaact tggccaaaga tcattttgag gaaaatatag tccataggac ctaagtccaa 420
 aattctttga ttcagcctgg accaattgag acctctttat ttacacaatg cagttattca 480

gatgacacta gaacagtctc cctagcagca gagaatttaa tggatgaaca tctgattaga 540
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 tgaantgcgt cctctcatct cctagacggc tgatacttat acgctccgac tttgccagcc 180
 aatagagttg ctcacagact gtgctgaagc gaaactgaag cagcangtgc ccctcatgtc 240
 tgttttttcca tctttttccag ttgggtcacg tcttaccac agaagagaat ttcttgctgc 300
 tctttcgatg ccagcaactg aagtcctgcg aggaattcat gaaggtaaaa ataatcctct 360
 tccctgcaag gaaaatgctg ggcgttggga aattgtttgtg tttgtttgat ttattgaaat 420
 ctggttttcca cctccaaact tcttacagac ttggagaaaag tatgatactg accacagcgg 480
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 aagacgtggtt agaatcctca gatgtttttc cccccttgag aaagtcattc ccaataaaat 180
 cccaaacgct aattgtgttg accctgcnan nannnnnann nnnnnttggc attctctccc 240
 cgctaccaca gcgtttcctc tgcccatcag ctttgctggg cccctcgaca ccattagttt 300
 cacactgagt gtggtgagtc gctgtcagtg aagggtgtgtc cccgtctcag acagctccac 360
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 aatacttttta gtctcctaata acagtagtag cagcaaata agatagaaca cagctgactt 180
 aagctctgcc ctccccacta ccagtagacc tccgtacact ggaagttgag tatggcacat 240
 ttcttagacc cagcctcaga aacttctttg acagcagtca cnaccaata natgaganca 300
 atcactaaac tgaagtttca tagggngttg ggaggaancn aaactgcat atgctgaagt 360
 gtctgancaa gaattgatca aggaggngag gacngcatnt caggtagctt agggatatan 420
 aaagggnaat tgcttanccg gtccaccaag gtaatggta cttttcctcc ancagaatat 480
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 <212> DNA
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cttacctgcc ctgccctcct ttctgagnaa acttgcttgn cagaaggaag agnaacagaa 180

tttccccagc tcagaagtta accatgctgt tggatgctta agaatcctgc cnaggacagt 240

ttgcttgctt attctttctat aagggctctg cagctgttga gctaaactgg gctttctggt 300

cccttctgct ctgacagcat tttaaaactc agtgtaaaga gggaagaaga aatgactcag 360

tggctaagag catgaacat tcttacagag taacagatac ccctacttct gttcccagcc 420

ctcacactgg tcaatttaca actgtctgta actccactag gaggggtgcg gggggggggg 480

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<210> 3742

<211> 346

<212> DNA

<213> Mus musculus

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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 gaagcctggt	300
ccactgtggt ctacaaagtg tcaactgaaat gatgtccttt taataa	346

<210> 3743
<211> 529
<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> 3743

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gatgaatggc atgcctcccc ttgtgcagga atgcaccatt ccctgtcggg acgactgcac 120

cttcaccctt tgggtctaagt tcaactccctg ctccaagaac tgtgaagcaa ctcagatcag 180

gaggcggcag ctaacaggga aaagcaggaa gaaagagaag tgccaggatg cgtccctgta 240

ccctctggtg gaaatggaac catgtccctg tgatangttt atgtntntc ctnatggaaa 300

ctgggtcancn tgcntttntac cagaagncaa aagggatgct cancaangan gattgtnggt 360

gcaaggagat gacaaagaat nnggagaagg cntgcgcttt cgagcaatag catgctccaa 420

tataaatgga agaccggttg acccctcatt ctncacagc tctgggttaca ttcaggaagc 480

atgtgtcatc ccctgtccgt ttgattgcaa gctaagtgcac tgggtccagc 529

<210> 3744
 <211> 482
 <212> DNA
 <213> Mus musculus

<400> 3744
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 tatattctac ttacagactc aaaagcttgt tggttttcct tcatatatga gacacaagct 120
 ctctgatct gtaaagtatg gatctggctg tgaaacaact ataaaaaaaa aagactagct 180
 cactgccatg tcatttcaaa tagacgttcc taaattaaga caatgaatta gacacaagtt 240
 tcctaaacta gagcacatgt tggaaacaga gaaattaagt gcagctgcta ctacacctga 300
 tcttaggcaa aggcaaagaa gccatgcctc cttatgttaa aaaatggta tctttattga 360
 gattaagggc taatgactct atcctggact ttcaacctca actttcaact tgtaagggta 420
 caagctataa atcgttttct tatgcataaa caaaggagta gggcatgctt accaaggact 480
 ga 482

<210> 3745
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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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 tgagatagtg taacaaacat gtgcagacaa ttatgtctga ttacataacc tcancacccc 180
 ccncnaaaaa nngggactag aaacaccatt tgagccactc ntgtgaattc antttttttc 240
 ctgtaaattg taataacttc atttctgagt ctttaataata caggctgagt gcatcaaagg 300
 acagtgggcc tatggtacgt tgcttcgggtg tcaattttta aatggcccac ctacaggaga 360
 cga 363

<210> 3746
 <211> 412
 <212> DNA
 <213> Mus musculus

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 gccccggtgg ggaacaagat gagaattcag atccagacag ggttgacaaa tggctactat 120
 actaaaatga ttaagagaag tttggctgtg gatctgcaaa tttctaactc tccacaatca 180
 ccaacttctc atcaggcagt tggctctttg gtacctttaa cataggtatg gtttttgttt 240
 ttgaaatcag ctcatcttaa tttgtgccct aaaagccact gctagagctg agtccaactt 300
 aaatcttaag cttcagttgt tgtactgcat ttaattttcc cataactggg caagacagaa 360
 gtcctatgat tcccaccatg gagcaaggag ttcttttctg tccaatcatc tt 412

<210> 3747
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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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 gatctacatg aatattcaca taattttatt tgccttttca aattgaagat tggatttgaa 180
 tccctttttt tntatctgtc ctttctcaga gcatctccaa ggtctcaact tgtacaagga 240
 ggggtgctaga gcaatttccc acccactggg gttcttgctt agctgancca aacccttaga 300
 tgattttaat gtgaanaact acttcacatc ggtaacatgc agctacaaat gaccatctgc 360
 actggcacac agtcaagcct atggccaagg aacgagtga ggatactgca acttgctcac 420
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 tcaaacaatc ctcttgcatc tgat 504

<210> 3748
 <211> 445
 <212> DNA
 <213> Mus musculus

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 actttggttt ctttgatgtt agatgttggg atattcgtca attaaaaaga agacatccag 180
 gctcagattt tattttatct atctcaagag gtaagagaat tactttctca taggtttggg 240
 gcaggattgc atctgagtc tgttgtagacc ttgtggattt gactatatct gagtccacca 300
 aaagatgcca ccagagtggg tccctcattt gttgttaggt aatatacttc ccatcacagg 360
 aagtagaaga aattctggga gaaagaatat agccaccatg gcagttttgt gctgtttaga 420
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<210> 3749
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<222> (242)..(242)

<223> n is a, c, g, or t

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agtgttcaac agatgttaac ttcagctctt gggacattca acacctttgg cctgtatggg 180

caccttttca taggaccaca cacagattac acacttacag agantgggag anatacacct 240

cnttagagaa gaatgtacca tgtggtatcc aactatatcc attg 284

<210> 3750

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<212> DNA

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<223> n is a, c, g, or t

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atagccangg atctgtcaga cctgtactcc catgggctct ggtgagtaag ccagtatggg 120

tgctatgctt ggtattcttg agtccttcca aggacttgat cctctctgcc tggatgaagag 180

tagacagttc ctgtctttgt agccaccctg gcgaagnctc ttatttcctc tctcgggttt 240

tccctgtgag tgcctcagtc ctgtggttct gctgtagtct aggcatagtc acaggaaagt 300


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ccactctagc atgtctgcat aagggccttag tctctagcag cagcaccata tgcaataggt    360
gtggaggtgc gtgcctctgg aggtagaggc aggaggatct aaagttcaag gtcattctca    420
gctaacagtg actttgaagc cagttaagga tgtgtaagag gccccatcaa gttgcagat    479

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<210> 3751
<211> 525
<212> DNA
<213> Mus musculus

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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 aaactagggt ttgtttttgt    480
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<210> 3752
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 gtntcccaa acanacnna accnacaacc agngcctgna aagatggctc agtgagctga 180
 gagtaaacctc ttntcccagg aatcctgant tcanttccta gcaacttgcc agatntctca 240
 caactacctn tcantcttgc tntggctag ancctctgtg agcaccatgt gcacatactg 300
 actatagtta aactaacant aaaagaaaaa agcaggaaaa tgaggcagag ctntgaaga 360
 gagctgttag tactttgtaa agctgagaat ccaaattcaa tctacagcta ttttgtgggt 420
 tc 422

<210> 3753
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 <212> DNA
 <213> Mus musculus

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gggattggac ttaataatca ggcggattgg ccgcagctcta agaactgcat cagggtgggag 180
gnaaactctc ccagagacag agagaatcag ggactccctg ctttattctc tctgggccct 240
acagcagaag ttctctgccc tctttgtgat tttgtctaag gtcttctcta atgtctggtg 300
caccagtctg tccacgtgtt caattcatgt gtgttcgtgt ctagtcgtct gaatgtctga 360
atgggtctgtg ctcatgttag aaaacaaaag atggctggta taagcaaagc cgagagtgtc 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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ggagcagaat ggctctcttt gtggctttgc tttgtgggat gcacgtcata ccagtagccc 180
gccaacagca tgttcaccta aaacggttcc ttttataaac aagaaaggcg gcttgagtgg 240
tatacatcat ttccaagct aataagataa tccacttttc atttcaaagc ctgagctcta 300
atctgaaaac agaagtctcc ttctctgctc cttgcagcag tccttgata aagatnatgt 360
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 ttcataaaaa ctttctctgc tggctactat ggagaaaacn gantgancca tcnggaaggn 180
 ttnggagntt cagnagttgg cctgagctgc atagtgcatt tattacaaac ctgggtctct 240
 cagtcagggt tactattgct gtgattaaac atccaagat ggcttgcttg agcagcctac 300
 ttctcatag aatgcagaaa aatcagcccg gggggggggc atccacagtg ggctaagccc 360
 tccccaacag atttctaatt aagataatgc ctttgtctgc ttacagatgg gtcttctgga 420
 ggcattttct caattgaagt tccctccttt cagatgacta tggcttgtgt caagttgaca 480

gaaaatgagc ccgcacactg ggctattaaa caagacaccg tgtctctaaa agtcaaccct 540

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<211> 504
<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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gttacaataa tgttggatga tgacaaaaac cgctgctata cttgcatagg tcattcaaac 180

cnaaatctan caangaaaaa tcaagggttaa 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

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<210> 3757

<211> 538

<212> DNA

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 cacactttca aggccaaaag ccatcatcat cagtagagtc tccccttgct gagacctaat 180
 tatctccggg gttccatcct ttacctcagc ttctgtctag ctgggttagt cagtgaggcc 240
 tggaacactg ttgctctttc atactaatgc caacatcacc acattttggt ctccattga 300
 tccgtaaaat aaataatgca ttaatgcttc ttcattggta cccccccctt ttttttgaga 360
 cagagtctca ctatgtaggc ctgactgttt tttagacag agtctcacta tgtaggcctg 420
 actgtcctac aactcactct gtataccaag ctggccttga attcatagag atctgcctgc 480
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<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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 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 aaaccttggt 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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 gtgtatgact gagagagaaa gagatagagg gagacaaaga gacaaagaca gagagacata 180
 ncacngnaag agnacaanga ttaattcctt tgggtttttt 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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 tacaggtatg taacagaatt tgtaaacctt 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 atgataactca ctgtgttctg 480
 tctga 485

<210> 3761
 <211> 420
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 ataccagtg tgactcaggc ctatagaagg tgcaagccca tgacgttagt gcaggccaga 120
 aacaatggca tggggttctt tcagaagttt ctctgtatgg ctatcgtaag ttctaacaac 180
 ctgcgctggg cattctttca gtgaattgat ttctttgtac taaaatctct agttttctaa 240
 gcctgttcca catattaaac agttttatac atttctccaa ggcggtacat atccaaagac 300

atgatgccag ggaaaaaaan gtgcttgttt ttctgatgaa gcaatggctt cctccttttt 360
 cttctttgca tgtattttgtg tagctaagtc tgaatactca tgtaatatatt ctgctgcaga 420

<210> 3762
 <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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 <222> (319)..(319)
 <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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 <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

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 taatcatggc agtgccttgt ggggcggggg tttgtgcctg ggtagtctca gctgtagctg 120
 agcagggcta tgctgcatcc aggtcttgat ggagagctct gaatggttta gatgaggccc 180
 caggggcagt gaccactgcc ttgaggaagg cattctaccc agctggctta ttgtaccac 240
 gggaagtgtt ggatccacgt ggacaggtgc ctggcctgtt agatcctcnt gttccnnagg 300
 aggtttcagc ttctgtggnc ggaccctaca gtngtattgg gtaaanccct tgtgtagcnt 360
 ggatgaacct tgggtcccat ccac 384

<210> 3763
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 <212> DNA
 <213> Mus musculus

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 <222> (69)..(69)
 <223> n is a, c, g, or t

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 <222> (89)..(89)
 <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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 caaccgacng atnggggaaat catctgagnc caaaacagct gtangtgggga caattggaca 120
 acccaacctg gtgcaaacat aggaaattat tgcttttctaa 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
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<210> 3764
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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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 agccttcctc ctcttcgaag tcctgtagcc cagaaaaagt gacttcctg agctagcctc 180
 agactcgccg gccatgagga aatgaacctg ttgatgtttt attaatnntn gtaagggtgga 240
 gaaaggtccc tcatttcctt ctgggttaaaa aacgatgatt ccagtcgagg accactaaca 300
 cgtaaccaag ccattcttta cctgtctgct gctggagcct ctcttccac ggggtgaagc 360
 tggcatataa cacagcctgg cattccaatc ttgtgatggg tctagacgag gggccacgct 420
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<210> 3765
 <211> 431
 <212> DNA
 <213> Mus musculus

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 <223> 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)..(403)
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 tttccttctc ggttccttca catttctcta atctggtgnt cactgaaagt tagggccgac 180
 tttcactggt aaattgaagc ataatttttc aaggtttaga acttgagatg ggaanatggt 240
 tttctccctt aacatgtaaa atagtccact ctgctcttct ttttgcccgn cttctgacct 300
 cttcttctat agtgagtttt ctcatcacca tgtatggtgt gttttttaca ccatggctgt 360
 atgttttggt ttgtttnttt tntttttnnn nnnnnnnnnn nnntttttac agatactctt 420
 cagcaacttg a 431

<210> 3766
 <211> 495
 <212> DNA
 <213> Mus musculus

<400> 3766
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 aattcctaca gcaagtctga acttccatga ggataggatc tagatattaa acaagactta 180
 catttctgaa ttcaaaagca attaccgctc tgtggtatct tctctcctag gcctctcccc 240
 tctgctgatg gaaagataat aaaacctgat ataactgcct ccggccctgg agaccataaa 300

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ggactgctca ttctttgttt tatgtgcctg ggtttcacca gtggccactg cagccctttt 360
gcagagctcc tcgttgctcc taagtgtttc gtctatcctt gcctaccagc ctaccctgt 420
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<210> 3767
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gattagattc ccttttcct tgggtattga ctattaanat ttgntcttc ttggtgcatn 180

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ggcaanccat tctantgna atgagtcctt tncccaagct ctatttcttg attcttttta 240
ttttttatag gcactcatatc cttttatttt taatttttta aatagaaaat gttttttcat 300
acaaaatata gtgaatagag ttaccctcc tccatctata ctagatcctc cccacatcac 360
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<210> 3768
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<213> Mus musculus

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agaatacagt actgattccc acataattta gctctttcta aaactgtttc tgctgaatct 180
atatattata ggcagtacaa taatttctca ttatatacat ttgttccata caatgatattt 240
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<210> 3769
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<212> DNA
<213> Mus musculus

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<222> (419)..(419)

<223> n is a, c, g, or t

<400> 3769

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tcatacctaca gggaggggcta gtcccctctg ccatttctcc ctactctctg ctaactccaa 180

ctcaaaaaga tgagtagaca ctttcctgt tccacgtagc tcttgattg gaacctacat 240

cntgcctggc cctgtttctc tcccctccta gctggagccc tntgctccac agtcgtnagc 300

taacccatat gacatnaggg atgaagccag tgaggcagct cctccaactt ctgccagact 360

caaaccagcgt nccagtctcc ctacagacc ctgggacttg tttctagcgc ccaggaganc 420

ccacctgctg ggacagactc accctgggtgc gatt 454

<210> 3770

<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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 cataccta at gagctgtctt caccagacga gaagctatgg gctgggtgtgt agctnaggac 180
 ccttgttngn atccccaggn ttactaagaa gaaaagtttt taatctaact gggacagtga 240

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gagtcctgta ttggccatcn aaaattggga actgttttaa atgagataag ttctgaccta 300
aaattgaatt ttccttttct caaaattttt natatttact cttattcatg gtctcatctg 360
ggaatcttaa ctaataggga gccattcact aactccttgg tttctttcct gcatcaagat 420
aactgatggt atagtatgtg tcaccagana tgatttncag gctaataacn attagaatat 480
ttatattcag ctggaaatct tgnnttttcaa ncagaatgag tttatggtat gctttttctca 540
aagctgctat gttctcaatg aaa 563

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<210> 3771
<211> 366
<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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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

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<210> 3772
<211> 564
<212> DNA
<213> Mus musculus

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 <223> n is a, c, g, or t

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tgcagggtact gcagccttgt cagcgagccc ttcccattca gatatgtgcg agagnttntg 180
ctnacagtac ntaggtacag cctcagaaaa ttcagaaaag gtctctctca cnaaggaagg 240
gntgganaag tgcagancaa ggggaggaag gnacantga acaacgtcta tngaacanag 300
gagtaataan gagagccatt cctccgggct gcactntnac ncaaagacta agnaaantaa 360
tggacactga aggggaccca gctgnnnna cannataaga agcctccagt accacaagga 420
aagaggaaag gatgagcaga aggcagatgc aaaggagagn catgantnag ctctctgtcc 480
cacgtggtca tatagcacia gcttggactc atgaggagna atattcaacc acccatagta 540
aaccatggga gatccgggca gaac 564

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<210> 3773
<211> 444
<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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agaatgctta cactccacct aactcgggtc ttgcttgac acagaacaat tcctatcaag 180
agtctaccaa atctcacctc tgccctcaaa ggccagtagg ngaaagagac ttctaggagc 240
ttctcctgac cctcctctgc tcctgccaac ccttgccaag ctggggtttgc aggtcatccc 300
tctccagcct gtatcccagt cactctgacc cttacctcgg gaagcagctc agtcagttac 360
taggaagcct ccttcaacct gcttccacat ctgtaaaatg ggggcaatag cagacacctt 420
tgcgagggtg ttctgaagct ttct 444

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<210> 3774
<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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<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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<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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ncnttcnagg antganccgn ttttcaaaag gctttngtga gcaggcggnc acacggggga	120
gcgttttctca cgccnccnat cngangnagt tgctgactga gaggagccna ggcctttatg	180
atgctgaggg ctccttgcat aaagacctgg agtgatatgt gtcttagagg caacctgaat	240
aaggaaaaat tctgtgaaca ccctttttaa aatgnggtat acctccatag atggggtgaa	300
tttgttactt gacaaattgt aatcctatit agagtggagg gacacannn aggggttaaag	360
gaaatagaca ttaccagnc agantactaa accttgagtc tcatatncca ccactataaa	420
cttaattttt acaacaacta gagctgaatg aanatgggac tgtgtatggg tatttcccc	480
ccnaaaagt catgagaatt gtaatgttat ataaattaca gcaaaatgtg taggtgtgtg	540
ttgttcctgt ttaccatgt 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 ctcacttggt gctttcctag acactcagct tgccctggcct ctctctggac	180
ctgaagaggg aaaggctccc ttctaaatgt cttactcaga ggcgacttga aggatggctt	240
tcattttcaa ataaggaaat gtcagggttc ctccttctac cacaggcttc catgcaatag	300
caacagaatg ctctccccta caatcgtgag aataattatg agccaggaac tgaagcgatt	360
cacacaggga gccagg	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

<220>
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<222> (348)..(348)
<223> n is a, c, g, or t

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agcagaacag gactctgctt cctgtaggtt aatctaattt gctcggttcg ttttgttggt 120
atattatgac tgaagggnaa cttgaaaatg gagatctgga aaatggagac ctggatgaag 180
aagtgggtca ttgggccagg tccttgggag tgtattatcc ttgacagctt cctgccacta 240
tatacacttt ctcatctgcc atttgtgaac atggctttcc tcattaagat agactgacta 300
tatcaaaact gaaccaaagg aaaccttttc acttctcagn catgttanca attcggtaat 360
agtagtgga aagtaattaa tactttttct 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 ctaatgcac 300
ctcaaacagt aagttaaatt acttccaaat gcagagggac caagtcagcc ttcatttccc 360
acttcaaggt atataatggg tacagttaag ggacagggcat 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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 <222> (360)..(360)
 <223> n is a, c, g, or t

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 tgtgactctc tgacaaaagt tttatcagtg tgtgccagga ggtgtcttag cagcagggtcc 180
 catgttatgg aagatcaggg ccctgtgaac atgtcttccc tttccagaca cagtaagggtt 240
 atctcaagcc agggctttac acacatgtat atgtgcccc aacacacatac atgcccataa 300
 acatacaagg cacacacaca cacaggcatg gaccagcca cggaaggaa tgagatnaan 360
 aagtccatgg ccagtgggga ggaatgacag aaacccacc gta 403

<210> 3779
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 3779
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 ttctatcatt gttctgtaga ttttgattat tatgtggcag gatgatgttc ttttctggac 180
 caaattggtg ttctaaaact ttgtatgttt atagatgtgg ggacgtggac tgtgctagga 240
 aacttggtac agctgagtgg gttcagaatc ctcggcatcc agctgagaat agtaggtgtt 300
 tcacctgctc ccaaccagtt tcttgacctg ggacatgtgg ttataacgcc ccacagaaag 360
 aatg 364

<210> 3780

<211> 486
 <212> DNA
 <213> Mus musculus

<220>
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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 ccaaattgtgg tttgaatgag ttgtcccca tgttcttggg 300
 catttgaata tgtgggtctgc agttgggtgtt 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>
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 <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 tttnagaagg tctcaaagg 180
 tcagtgtgaag ctgcctggat ttgctttgtg gctgagcttg gtcttgaact tactgcctcc 240
 tcttccagggt gctgctgaca tttcaggcac atactaccat ctgtccttgc ctttttcccc 300

cttttggtta ctagaaatct accttggaag tcttatacat acacacacat atatccacac 360
ctgcatgcac ata 373

<210> 3782
<211> 409
<212> DNA
<213> Mus musculus

<400> 3782
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ctatgatttg cctcatgctc tagcaagggg gtgcttttgc cagcagcagc tagttactat 180
aagtgtgtaa tgtttggaat tctggaaact tttcaagggg gtataaatgg cagagccctg 240
agcgggggctg agctcactct gaggaggctg ttgctcccca ctgctgctgg ctctgtttgt 300
gggtggtttgt caagtgggtg ggagcaaagt gaaaagaaga aattgtagat atccttacia 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 cctcagtgcg taagtgcaca gctttattgg 240
gagcctacat caaaagaccc caagcctgac atgcctgaga tgccaagtct ttggaaagac 300
tcctaggggc gagatggaag attccacgca ggatttgtga tgtcccctgt ggcggtagac 360
agaggcggtta ggatggaagt cccatttaga cagtgtcctg a 401

<210> 3784
<211> 465
<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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 acacacacac catcattaaa aataaaataa atcttaaaaa anaaatccaa gaagataaga 180
 atttgaagag ataaactggt tagtaggcca gaaaagactt gactccaatt gaataatggc 240
 attgccacct ttaaagaaag agtgctgccac ctcttcacgc cctggccagt tcagtaagtc 300
 aacgtggata atcaggtgtg ctccacaggt ctatgtactg tgttaaaata gttatgtctg 360
 tgggctggag agatggctca gtagtagttg agagcattgg ttgcttttcc agaggttctg 420
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<210> 3785
 <211> 508
 <212> DNA
 <213> Mus musculus

<400> 3785
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 atgacagtga ccccttctgc aggtttggcc ctttgttatt tgcacaggga tgtttctaag 180
 aaacgcggag agtgggtgctc ttggccgcaa gccagcaaag ccgacaggct gctgcagatt 240
 tttaaaggca gtgtccacag tgacctgggg caaccaagag ggtgcatgct ccattctccac 300
 atggacactt gctatttctca actgaagctt caaaccttgg agtcccagag ggccacgggg 360

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aaggatttcg ctgcctgaat ccttcttctt cctctggtct gacttctgga agccccactt 420
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aatggtgtcc tcatagcctc ctaccatttg ctcttctcat ctaccangg atgacatctg 180
ttttccncag accatggcag ggaacagggg gggatgtacc aactgagtat aaaaaagtgg 240
gtgggctcag gccttcctca gtcagcatgt ggagccgtgc aagtttcaga aaggcatttc 300
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 ggccctgagg aaaaccaaac aggcagctga gaaaatctca gctgacaaaa tcagcaaaga 180
 ggccctgctg gagtgtgccg acctactgtc cagtgaatc acggaacctg tgcccaacag 240
 ccaactggtg gacactgggc accagctgct cgantactgc tcagggtatg tggacagcat 300
 ccctcagact cgcaacaagt ttgccttccg agaggctgtg agcaaactgn aacttagctt 360
 acaggagctg caggntgtct tccacagctg ctggtgtgcc tgggacaaac ccngtcctta 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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 atctttttaga catacttgnt ccattancnc tggnttggct ttcaaaccga tgaagtacat 180
 gtgggnttga tgaagntagc taatggctgc tgtatttatg gncanttgc ctagnactag 240
 ntanccagcc agtttaagca ctgaccttct gagaatctag aattnatgca cataaaattc 300
 tgatgccttt ctgaacactg atttagacaa tccctttgat tttacatgc ttcactnttt 360
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 ta 422

<210> 3789
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 <212> DNA
 <213> Mus musculus

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 aggatttgaa ctctggctgt cattatgcag ctggtgcttt taacacctaa gctgtctttt 180
 gagcccttgt tttgttcttt gaggctgagg tttcactatg aagttccaga ctggcctcaa 240

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264

<210> 3790
 <211> 410
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 aggtttgaat cagtgtgaat ggaacactat ccttggtgtg cctggcacca actccttcgg 180
 aacaatgttt tggttnaatt acccttgtgg tagtttcaat aggnatggct cccccagac 240
 tcatgtgtgt gcatgcttgg cccatagga atgnaactat caagagggtgt ggccttggtg 300
 ggggaaggct ttaaggtttt ataagtccaa gtctggccag tgtgtcataa tctctccttg 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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 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
 ggtaaatacag 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 ggcttgccctg atgtgtctaa agcatttttg 120
tttaatccct agaaaacaga ctcatctctc accatctgtt tttccatgtt caagagaatg 180
tcaaggtttt atagtgttac tctataccgt ccccaatgag aagactgtaa aaaacattct 240
ctgattgtac aagga 255

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<210> 3793
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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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tatagatttt cataagagtg aacattaata accacatgac agagtcaata ctaggttggt 180
ctgagatttt ttttttctg ccaactttgt aattaatcca aaactcttca atttagcctc 240
aggcagactc tttggacaag agcaaaaagc agccatactc tttgccaaac tatkacaaga 300
acagtctctt ggccacatac gaaaattcta ctctgaaacc tcttgagctg gatccccaga 360
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<210> 3794
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 atactatggc attctctctc taagacagcc antctcnata ntcngtgntc ntctaaggnc 180
 ctaggaagnc atcaggggaag agagagcaga aagatggtta aggaccagag gtagtgtttg 240
 cctgctgtga aaatgtttgc tggacacgga nnggctgttg cnngnatgaa ctccaagcag 300
 ctacggctct gtgtttaaga cctgagtaag atcaagccag cccatatccc tgcctcaccc 360
 cttgttccca tggataccaa agtctgggat gctcatgtcc atgcaaacag catatgcagt 420
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 aattgatgta agatctncaa gtcagggata tggcccagga tcntgngtnt ctgntnctgn 180
 tcnttnggcc nnttcatngc caggctttga agagaagnat ntagaatgct ttctgggcca 240
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<210> 3796
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 <212> DNA
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 ggaacttctc cgtccttccc tcggcccaca agaccttaca ccctgacaca tgccacagta 180
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 gggcctagat tggncctctag gaaactggct atggcagagg agtccaagaa gagaaattgc 360
 agagagtaaa aactatagcc tgggcatggt tagaatgac tgatcacaga gcagatgagg 420
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<210> 3797
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 <223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttggcattca ttggttaagc ttcacccca cccaaccct cagcttggcg tagacggcag 180

gatgtttatg gttcaaaacg tatggcttca agttcctggc tgggtgataca ggactttcaa 240

cagtaccgat aagcaggctg aatctcacgg gacagagcgg tgtgttgccc tcccntaggg 300

acgctgcatg actctcttgc tatgtgcccg actggctgtc acgtgcgtgt gatagccttg 360

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<210> 3798

<211> 413

<212> DNA

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ttcatgnaca aggagccagc actctgatga accccttcca cagaacttna gacagtgtca 180

tggggtagtt tccaaccata gcctctctca tcacatggta atttctacag ctgtctccat 240

cacttacaac caattgggta gcattactaa aatcacagct cacacccaaa acagagaaac 300

acgggggatgc aaaccaaact ttacgtttac acccaatctt aaaggtaaca acccaattcc 360

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<212> DNA

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ctcgatatcg tcccagggtta gttaacactt tagaaagcct gctttncnaa gcagaagcaa 120

atttgaagaa gagtaagcct gggacncagc cttccancaa aggcagcttt tctctctnnt 180

tagtttttcgc ataccatctt ttactagatg gtacaacca cgcagctntg gaagactcca 240

ctgaacacca aatggagaat gagagcagaa aagtcttgag taatgtcatg gtgangtttt 300

ngtttnaggc ntcccagagag tatnttaaga attcatgggc agccctggcc cacacttgta 360
 taatcactt 369

<210> 3800
 <211> 430
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (54)..(55)
 <223> n is a, c, g, or t

<400> 3800
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 ctaactagaa taattaaaat gtgttttatac cacctattgt cacattaatt actgtaggct 120
 gctcacagct aacagatagg aaccccatTT tctgggggtgg ggtcctggct gcacctgcac 180
 ttttaagcccc attaaattga tcagagcagg aagttttccg cctctcctcc tcactgcttc 240
 atccccacat gcttggccac acaggaaagt gtgttttact gccttgtgta aacctttatg 300
 gttattttcat tgcagtgtat ttaaataataa ctaccatgtg ttttataggc tgatacttat 360
 aatactatgt agtcaaagaa tgaatgtata agatgtacat cagaattctg acggtatcca 420
 aggacagctt 430

<210> 3801
 <211> 311
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (282)..(282)
 <223> n is a, c, g, or t

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 attgtttgtaa acaaacaagt taagggcaag attcttgcca agagaattaa tgtgcgtatt 120
 gagcacatta agcactctaa gagccgagat agcttcctga aacgtgtgaa ggaaaatgat 180
 cagaaaaaga aagaagccaa agagaaagggt acctgggttc aactaaagcg ccagcctgct 240
 ccaccagag aagcacactt tgtgagaacc aatgggaagg ancctgagct gctggaacct 300

attccctatg a

311

<210> 3802
 <211> 391
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (58)..(58)
 <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> (151)..(151)
 <223> n is a, c, g, or t

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 ctntggaaag gtcattcacc cctccaaggg ggtcggggacc 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 ggcattggatg gatgctgaaa ataactgtca 360
 tccaggaac cagagcccct gtgtgctttt c 391

<210> 3803
 <211> 381
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (115)..(116)
 <223> n is a, c, g, or t

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<221> misc_feature
 <222> (279)..(281)
 <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> (290)..(290)
 <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> (352)..(352)
 <223> n is a, c, g, or t

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 gcctccttga ttaaagtagc cgtccttgac aaacctctg ttgtaaagat tgttnnattt 120
 tcataatctt ctgtcgtcac ctgtccgtgg atgtccgatg taaatataag ccttaaattt 180
 gcagtatctg gcaaggtgcc atctggccca ttattttcat ttccttggtt ttcttgggat 240
 tcgtcccctt ctttgccctc ttccttatta tcttcctgnn ntgtntntgn tgntgaagct 300
 tgcccttcag cagcagaaac aacagaaggc tgccctgtaa gcaacgcaa gntaaccgcc 360
 atcactacaa atatcttcca t 381

<210> 3804
 <211> 210
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (63)..(63)
 <223> n is a, c, g, or t

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<221> misc_feature
 <222> (70)..(70)
 <223> n is a, c, g, or t

<220>
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 <222> (135)..(135)
 <223> n is a, c, g, or t

<220>
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 <222> (143)..(143)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (182)..(182)
 <223> n is a, c, g, or t

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 agntgggcn tggtgcagtt cagtgggcct tagttttccc tgggatgtat ctctttcacc 120
 tgcattggttt ccagntggga aantagcttg cagtttgggc aggaagagat agcttcatca 180
 anagacagtg gcttcccatt agataagatt 210

<210> 3805
 <211> 337
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (226)..(226)
 <223> n is a, c, g, or t

<400> 3805
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 tccagctgcc cggtgctgcg tgtgcgaaag gcgcggaagt cccaggcgcg cggcccgatc 120
 tcaggatcct cagccgccgc ctctcggcc tcctcctcca gccgcccggg cgcctccggg 180
 gagcgcgcg gccggggccg ccgagtagga cgcgagacc gagcgnccag ctgctccttc 240
 ctgaccatgg tcaccgagat gcggtagacg gtcttcctgg gggggtccc gcgcgacatc 300
 gcgtctgcgg gcgaagacgc gggttcgccg ctgctgt 337

<210> 3806
 <211> 259
 <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> (34)..(34)

<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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<222> (77)..(77)

<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> (182)..(182)

<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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<221> misc_feature

<222> (216)..(216)

<223> n is a, c, g, or t

<400> 3806

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aggagctntg cttaaacta ccgccttcat cttccaggtt tcaaaggctt ccaancgtac 120

ccttcctat ttccattgtg cagtgttcca gttcccaacc tgctctcaac actttgccat 180

ancagagata acagagataa cgntgcctcc ctaggnataa cgaactgaga acacacagca 240

ggctcctact ctatcttgg 259

<210> 3807

<211> 186

<212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <222> (26)..(26)
 <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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<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (136)..(136)
 <223> n is a, c, g, or t

<400> 3807
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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

<210> 3809
 <211> 266
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (94)..(94)
 <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> 3809
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 cctcaattct ctcaccaaga ggcacacagc ggantgatca aaagaccgc 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
 atgtgaacag catgcaccac gcgttcccaa tgtgtagacg gacttat 47

<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
<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> (272)..(272)
<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> 3812
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tttctgcaac tggaataatc ttaaattatc cattctgaca ccagagactc agcactttca 120

ggcaaggctc catgtgcata tattctgggc tggggagatg gaaccattt gagaagaaac 180

tatttcagca tcacagaaag caaagacaat gatgattagc aacacctttt cctcctgact 240

gaactgcggg caagccattt cccaccctgg cntgcccttc agagagaaaa ccagccgaat 300

acgntgggggt 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

<220>
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<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>
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<222> (125)..(125)
<223> n is a, c, g, or t

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<400> 3813
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gggtggaaatg gttttcagtt cttttgagtg aatgtggaan gaacacactt gtttgtatgg    120
naagnagtat ttttagtggt 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
aaactttctt gaacttttgt ttttatttta gccagtctgc tgggtgattcc taaatgatta    420
gatgctcact gtcaggatct taatttaact attaaaacag gtttgctact aaacagatgc    480
ctgtgtgggtt tgaatgtgaa tgctccctat acaggactgt cca                      523

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<210> 3814
<211> 306
<212> DNA
<213> Mus musculus

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<220>
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<222> (182)..(182)
<223> n is a, c, g, or t

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<220>
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<222> (224)..(225)
<223> n is a, c, g, or t

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<400> 3814
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agtggaagac tccagaaaca aaccgcgcat ggctttgaat ttgtgtgttt tgagtagctc    120
agtagtggag actcaccag cgtgcttgag tcccatgttc agaccccaga actgttcttc    180
cnggccctaa gatagtagca cgatgaagtt ttacctcttc ctgnnttaca cataggtcat    240
cgtcttgctt ggcgtatccc tctgtatacg ctaccccttc attagtcacg taggacagct    300
gcctgt                                           306

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<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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 <222> (152)..(152)
 <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
 gtgtaaccac acctggcctt gagtttggat acttttcctg actgaagcct tcagagtgtc 300
 ggaattatat gcatatgccca ccatacccaa ctttcaagtc agaaacctaa aatttttagtt 360
 tcgccccac cccatcccc aaacaaaagt gggatatagat gcagggtgtat aaatacttgg 420
 ctaccagctt gtttgcattt gtatatacat tataattctg tactaggatt ttatataact 480
 tgagtactgg ataatatctt cactagttcc tgtcacttat gaactgttta g 531

<210> 3816
 <211> 411
 <212> DNA
 <213> Mus musculus

<400> 3816
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 tttgctcaat tggaaacagg aagctgtaat tacttactac acaagtgccca aattgggatg 120
 ctaatttggc ttattcctta aaatatactg ctaatcacaa tccttgtgtc ttcacaggta 180
 tgggaggagc tgccatcgcc ccaccgacgt ctcttgtaga gaaagacaaa gagtgtatgt 240
 gcctcgcttt cttttattac ctattctcac acagggtattt 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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<223> n is a, c, g, or t

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<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 agcagtgatc atngaaagna aggcctctgc gcaatggtaa cacataatct agtagatgag 180
 actggtatta aaaataaata atataacata tatcagaata aaagattaac tattaaagtg 240
 gggcnannaa aagggaggag ggtatatggt gatgtttcat gatggaggtc aagaaaggtc 300
 ttgaagagca ttgatattt aactagatgt gtgggtnaaa gcctcacaaa atgatccata 360
 agagaaggca gttctacata gaagaggaaa gtgcaaagaa ttgttgaatt tttaaaagtc 420
 aagttgtttt cctagctgaa gtagaatgag caagaggaaa gcagaagctg acatgagaaa 480
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 aggtgcct 548

<210> 3818
 <211> 517
 <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> (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> (380)..(380)
 <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 aagaaccgc atgcccatgt taagtactac tagctcaaat tatggtttct 300
 atatnacatg ttctatggtc catnaanaca agtagaccag taagaccac cattacatac 360
 tgctttccta ttccacagtn atattcatct acaataaaat gtcagttgcc taccggggga 420
 gatatgtgtt taggttgtgc ttgtcatgct ttccacaatg aactaagaaa gagtttgctg 480
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<210> 3819
 <211> 495
 <212> DNA
 <213> Mus musculus

<220>
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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

<220>
 <221> misc_feature
 <222> (202)..(202)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<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

<220>
 <221> misc_feature
 <222> (320)..(320)
 <223> n is a, c, g, or t

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 acacacacac acacacacac acacatatac acacacatac acacacacac acacacacac 120
 acaaagaaat gaataaatgt actaaagggtg tttaaagtgc ttttcctgga ccctctatatt 180
 ttntcactaa ggttctgttn tngaacaact ttgtnggtca ttcaagcaaa taaaatcttc 240
 attttgtgct cagctatttg gctanactca caggcagatt ttgatatgaa ttgtcctgta 300
 catttgtgat ttctctcttn tgttttttat ccaagaaaag gtacattttt tgtacattta 360
 ctgaaatatt caaaaataaa ttgtgtctca gctttgtctt tcacaaaacc aaaccctaac 420
 accacaaatt gatcccacct tttctggtct ctgtgggtta ttcaaatagc cttctttctaa 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 gcagcacgcy ctcttaacca tggaccatc tccccatccc 180
 ctgtgtgatg ttttgttttg tatttttaaag acagggtttc acagcctgct tgcctccact 240
 tccagataag tcctggatct ataagtgcc ccacaccag ctccagtttc agatttaatt 300
 tgcttaaagt aaatgtttca gataatgtca ttgacaagaa aacgagccag tctcgggact 360
 ctttttact 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 tcccagtcct aagcctgcat tggtgacagt ataagtccc      360
cttgcccacc cgggcccacc ttgccctctg ttctgtgat catgcctgtt ttgggggtggg      420
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<400> 3822

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taccatgggc ttattttcag gcttttgagt ttacttaca attgagctgg gtttgtatgt      120
tatatgaatt gtgcctgctt tctccatgtg tctagaggaa gagccatcta cttaaaggcc      180
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acaggggcaa gctggctgtg cgctggctgt gctcaggctg tacatttgaa attctgaaaa 240
caaagcattt ttcataattt tctcccagtt cactgggtgna actnaccctt ctgtgatttg 300
gattnagctt gactagagga gaaatcatta ttccaacggt gaagtactcc cgtggcatct 360
aaaccagaa gagaattagg aaaatggctt taattacatg ctngtctgtt tgacaggcag 420
taaggaaagg ggagttctnc ctttgaaaag tgaaagaggg tctgtttgga ggaggggact 480
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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
tggtacgggt acttgtctac ctgaagtcag ctggccattt agggctctagc aatctgaaaa      480
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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
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<212> DNA

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 actgaatctg tgggtggatt tagnattaga gtcggggaaa cttngggccc atgtaccaca 180
 tgtgcatggt tatggatttt ggtaagtaaa tgnnttagtg gaatatcgtc atgctcantc 240
 atttatatatt tagttttttg agaccaactc tcatgtagnc ccaggctggt ctcaaactca 300
 tgctgtaccc aaggctggcc ttgacctcct gactctcctg tctttgnttc tcagctgtta 360
 ggattatnng catgcggcac catgccagcc tacatgttat gtatggctgc cctttcactg 420
 ctgtggtgga gttaagtagg cctgatagcc tgtgtgntct gcagaggctg aagtatttac 480
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 agtgcaatta tccttacggn atcctgaccc aagaggctca cccttgaaag cctgggggtg 180
 ggggttagaa cccgggggtct gaatgccagg aaagctcccc atggttctga catcttgttg 240
 ctttagatgg ggactttcag ataattctct tagcttgatg ctgagtagga tgaggctatg 300
 ctgatggtct ctgtcaggag cgnaaaagag aaatggagga accgaggcag gtatcttaag 360
 gagtctgggt ccaaggagct gaggancctt nacctggaag gggtagntct ctcaggtttg 420
 tttctttgtt attaagtttc ccgggctgnc cttgaacttg tcntcctgct acagcatcct 480
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 caatatgggg gccacacnga tgagaaagca ttgnattcag taaatacttc anggancata 180
 antgtgttna aatccaagga atctgccacg aagggtctgat angacctcta gtctgctaata 240
 gtcaacagag tcccttggtt acttcctgcc tgtaatgagc tcagctccgt gataaaatga 300
 gtccatcctg tcccgggaca tgaagtcccc acgagaggcc agcatctcac agactaaatg 360
 tggatggtct ccacctttct ttttcaaaca aacatccaag ttagataggt gtggatacaa 420
 cagaagaaat tacccttggg tgtggagcct ctgaatagca aagtaaagta acagaggaag 480
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<210> 3828
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 <212> DNA
 <213> Mus musculus

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gctgtaatgg catacaacta aagaaactta tgaattaaaa aacaagcact gtttctactc      180
taaaaacttt cagtggaaaa gctgcctgct gctgtaacca acagaggctc agtgggttcag      240
gactagcact gaaccacaat gctcttagct ttagaaacta aaatgtaagt caaaagttgt      300
caacacccaa atgagacca cagttgattg tatg                                     334

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 ancttttang ncagcctggg ctatgagagc ttggccctac agttncccna gngtgtagta 180
 catacatatg tgcataattac atgcttttaa ttaggaaatg ttttaatat cnagataata 240
 cacatataaa taciaaagaat naaatataaa anaanantaa actaaatcta aanagaaggg 300
 tgggaaggca ggctcgttgg ttttgagtat gcactgctct agcagaaggt ttgagtttgg 360
 ttcttagnat ctacactggg tncctcacag ctncctgctt gtaactccac ttgcaaggga 420
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 gacag 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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gtgaactact ctaatacagg agtagtcact tgtgagaatc ccaattcatg gctgngacct 120

cccttttcan aagctggctg tttgagtgtg tcctccacct acattttacc tctctaaatc 180

caaagagaat ttggcagaaa caagggccac aatttgcgaa aacaaaaagg ctgtggagtg 240

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<210> 3831

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<212> DNA

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 tgcccaactt tgtcaggaac tcanggatac actanggnca atnaggcagc ccnagagcct 180
 ctcttttgct acacgtatat gnnacaaaat gtggtgnagt gctgtgtcta tggcaagaga 240
 gnccagactt tgtttttgct ggcggtgaac atggattcag aacttctgca tgtgaataaa 300
 tgacagtctt gagacacatc tctcatctgg ggtgctcaga gactgacttc aggcaatgta 360
 cagatacttg gaaaggaaaag gatgtgcaat aattgggatc ttggaggcta agcttgacat 420
 ggggagcaga cttgtggact gancaaaggc anacttggat gnttnttgaa ttgactctgc 480
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<212> DNA
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 acacatgcaa tgggatatta gcattcttaa aggaaagcga cattctggac agatacctct 240
 gtgggtaaaa tgcttgccaa gcaagcgtgt agacttgtct ttgtatgtcc agcactcata 300
 caatagcatg tgtggataca gtatgcttgg aactcccatt gctcaggggg cagagacaag 360
 caaattactg gtacttgttg gtcagccaat caggccagtg tggcctagtt tcagtgagag 420
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 ggctcagcgg gtaagagcac tgactgctct tctaaaggct ctgagttcaa atcccagtaa 240
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 agacagcnac agtgtanttn ngatataatan ataaataaat aaataaatnt ttaananacn 360
 aaaacaacna caacaacana aaacaagtga aggnatagag gtntcttcag ccantnacct 420
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cattactaag attcatcctt actgcagtgt gaagtaactc acagcttcaa atgctacaac 300

aataatagac cagttaatgg acacgacnta agttttcaaa gacttttctg atntgatcgt 360

nggtattgta atgttgtnc a gtctctcctt gtccatgcat acntttctct nggctatana 420

tctaggagta agaagtgtag atagtagtgt acgtcagtgt tctctgcttc aggacatgag 480

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atttgatact anccagtgtt ncagcttttn tcttaggggtg tctgataatg ttgattttaa 480
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gcaagattaa gatthttgagt tgttcaatca ccctgccctg ttatagaaaa caacttatcc 180

aaagccactc accanctant tggmagctca gtcaggangn anctgagaat ccttttgnta 240

cttcaattan tnttctngat atactacctc agttttatta agtgtggaaa ggtgnnaatg 300

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acttcctccg actcgagaac ctgccctttt ggatgaggct ctactgtgt agcctgactg 180

gcctgacgtg gacttggtgc tgccctgctt ctttctgcct gccagctggt gggattacac 240

gtgttttact atcacgtttg actttacata tgggctttta aaccaagttt tcatgggcag 300

aaagaagaaa tgaaagcata gtgacagga aancacagag ttttgggtgt catntagctn 360

tgaaanggtg nccactntac tgtgtatagg gttccataaa tgctaggccc cacaggatag 420

tgtggaggca gagctttacc agacagcatt tgtaaaggga ctctgaacta tctggcttct 480

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 caaagccatt gcaccagct gtgccagctg gtgacaacgg agaaagagca agcggtagta 240
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 gatgtgggaa agcagactct gcccgagtt gcctgggccg ccgcgctga ccgccgagct 420
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 cacctgtcct gtaggcagaa ctgggggtgag gggggccgtgt ctttcctga actgcaagca 180
 gtcccaagct tgctttttga aaggagaatt gacacttggt tggactgctt tgcacagtcc 240
 ttttcagagc ccaatcttag gtctgcagag atcctcttcc tctgtgcaca cccagcact 300
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cacccgtacc gcaccgtggt aaggaaaacc aaccggcaat gacgcgcat gtagcggaat 180

acatggcggt actgaaaggt gtttcacttg aggagttagc cgttgacgac actaaaaact 240

tcgccacgtt gttccatatt cctgactccc gcctgcaatc cgctgataa ntctaactta 300

ttttaagct cgtaattaat aatcgaagcg agtaaagtgc accgccacaa aacaggcggt 360

gtacgcnatt tttgtaacat acagaancgc attttgtaaa tttatgaaag ttttctntat 420

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 gcacacccac acacccgcaa acacaggcac gcacgcgcac acgggtgcac acacacacac 240
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ccacaggata aaggcctccc agtcttgagg tctcccttcc ttgcctcctc cttccctcct 180

gtctctgttt ctnnnnnncc atccctttca ttctctccca tnccttcctt tctcctttcc 240

ttctgtcccc ataccaactg ctaaataccg tgttnaaggn ccagtgagat ggctcagggg 300

ggcaaagggg cttacacagg cctggcagtt ngagntttta tctccagaac tatgtaaagg 360

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 aacactcaat ggaggnaaac tttcaaatgc cnaactccat gcacatggtg agttttcaga 360

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accnaaaatg tgcattctac atacnaagat aacattaacc tctttatcca caaccgcat 300

gcatatggct gttctcttgc cctacagttt aatcaggaga tggagtaacc tgagcatttt 360

gtcttctcat acgaaatagc acaggtatct cttcatcgga acgtaaattc ctttaattcag 420

ctataagcat gtgtgggaat tggatgctct gcataaaatt ggtttatgta aagctatcag 480

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<210> 3850

<211> 417

<212> DNA

<213> Mus musculus

<400> 3850

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aagtctctct ctcagcctct gcttaaagga gagtgaaaaa tccctctcta cttcaccaga 120


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taacttttct gagtggggag cattgttaga gtgagttgta aataagaatg tggctcaaatt 180
gtggggtgct gttctgatgc cccacaggct tctgcttattc tgctagaggc tgggataagg 240
atgccctagg aagtttatta ttgatgcaga agttatattc cccatctctg gaaacttaac 300
ccatcagagg acagaaagtg atagtgaataa aagagggggag ggggtgggaga gggagctctg 360
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<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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

<400> 3851
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 ttcntttang acattcagat ttacatctgn aggaccnag aacctgccat acatatcnt 180
 ctattantctg acatctccgt ttgtcagnat cttnggcacc tcagatctaa tctgccaat 240
 gcaaattcttt tgccccttcc ctgtccccag ctccctacat caacctttcc atggagcact 300
 gacacgtaag aaaaattcaa ccatatgatc tagaaatatc caagtcaaac tcagtctttt 360

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cctcaccacac tgtcttagtt acgtttttat gactatgaaa agatgctatg tacaaagaaa 420
cttctggaag aaataattta ttgggggctc acagtttcag agaatgaatc catgagcgtc 480
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a 541

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<210> 3852
<211> 519
<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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<220>
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<222> (138)..(138)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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 <223> n is a, c, g, or t

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 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 aaaaacccaa agaaaagaca agacaagaaa atatccaaat 420
 tagagtttag gatcctccca attattaatg catgtattat taatgcatgt ttttatttct 480
 tatgtcacc tggaatatgc tgttgtatgc ctttaggac 519

<210> 3853
 <211> 499
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (52)..(52)
 <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> (75)..(75)
 <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> (175)..(175)
 <223> n is a, c, g, or t

<220>
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 <222> (214)..(214)
 <223> n is a, c, g, or t

<220>
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 <223> n is a, c, g, or t

<400> 3853
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 cccagtaaca tattgttttg ttggttggtt tgagtcagag tctccttatg taacnctggc 180
 tgtcttagaa ctctctgtgt agaccaacct agnttcgaac ccacagagat ctttctgagt 240
 gttggaagta catgtttctt gattttctaaa gctgtacagt gatcccctcc tgtattccag 300
 agaagatgtt attagtcagt tggcctttac cgtaacaaat acctgggccca acaggttaan 360
 tcatcagata aaggtgcctg ctggcaagcc taaggacctt agtttgattc ccagaaccac 420
 cacaatagaa agagagaata gacccaagc 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

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 <223> n is a, c, g, or t

<400> 3854
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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

<220>
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 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
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 <222> (80)..(80)
 <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> (257)..(257)
 <223> n is a, c, g, or t

<400> 3855
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caatatcact gcaggtcccn aaggaatggg cagccttggg tnagggatga aatcacttgg 120
aagtgaagctg aaatctcatg cccttttaag agctaactta agcgataaat ctgccctggg 180
atctcctgtt tccaggaagg tacatgttac ggtcaagatg ccatttttta gaaaagggtg 240
agggcaggta ggtaccncta gccgcgactg cccaccctc tgtcagagga ggcctccaag 300
cttggctggg agtcaaagc acaccgtgct cgcagccctt cagcactcat ggcctcctcc 360
tttgagtgtg ttttctatct gaccttccaa agccatttgt cttcttcagc atccactacc 420
cctctcatga tttagggat 439

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<210> 3856
<211> 351
<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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<400> 3856
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acacttccta ctgagacctg ctgcttataa agttagattc atgtacactt tgaacacaca 180
cacacacaca cacacacaca cacacacaca cccttaccgt agagtagtaa caaaactgtc 240
ctgcccagct cattacacag gtgtaggtac ctccccctgc cctagctttc ccctgcgccc 300
cagctgtgga tctgaattct aggctagctt tcacaacat cttacatgac g 351

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<210> 3857
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<212> DNA
<213> Mus musculus

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<400> 3857
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ttgccaaagt gatcagctca cgacagagga ccagctgctg ggtgctgttc tgcagacacg 120
tgacttctgt ttctgtg 138

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<210> 3858
<211> 442
<212> DNA
<213> Mus musculus

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<222> (181)..(181)
<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>
<221> misc_feature
<222> (211)..(211)
<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> (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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<222> (244)..(244)
<223> n is a, c, g, or t

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<222> (248)..(248)
<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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gccagttcta actcatcctt tgtctaagcc atagtaggtg aagacctcta attaaatgga 120
ctgcataata atcgaaacat agaaagcatg caagactata nttttcagaa tttcaaaggg 180
nanagatant tggccatccc agcttcatca nccatgaatg tttgcncaaa tcatgntggn 240
cttntatntg ggaacattta cctttgatag tgacctgtga tattganaat taatcattct 300
tggtagaata aaaagtgcag aaatggattt aagagtagtt atttcaagtt ggatttgttt 360
taagcttaac tagaataaac attaaaaagt tttctaataca 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>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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<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 ttataaaatc aaactcagtg 360
tctgcagatg a 371

<210> 3860
<211> 488

<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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<222> (225)..(225)
<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> (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 ggggtcaatgc ctggtgagcc tttgactgtg attcactgtt 180
tccttgtttn acacacttcc actagctggt gcagatgaat gaccnaaggc agtgggggacc 240
aaggaattgt agagnagcca atttgcnaag gatgctgggg aagccnagac cctcagatac 300
tgaatcagag tcaggtagag ttcagaaacc aagtagtgtg aaagatgtgt gcaggatatgt 360
caagaaagcc cagggtgtcaa taggcactga caaacaatct gttgctgcga gttcactaag 420
aatgggtggt tggcatggcc acttcctagg gaggtcatct gaggttcttt gaaccttgcc 480
tgcagaaa 488

<210> 3861
<211> 492
<212> DNA
<213> Mus musculus

<400> 3861
ctttatctta agcagccagg gcatagaggg aaactgttta ttggcttgct gctcctggct 60

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caccctgctt gctttataga acccaagacc actcactctc ccaggaatgg cactaccac 120
agagggtttg gctcttcac atcaatcact aattaagaaa ataccctaca ggcttgccctg 180
ctcacagtcc actcttatgg agacattatg tcaattaagg tttcctcctc agatgactgt 240
taacttgtat caagttgaca taaaatttgc taacacgtcc attaaattta aattagatac 300
taagggaagg aaagagtatt ggggtgcaggc tccaggtctg tatgtcactc tcacctaaat 360
acaggtgcca atcccattct atgtgacca tattctacgg cagaagcccc gtgacacttc 420
tctgggcttt cagaggaacc tttgcctctg tgtccgcctt gctgcacact ctgcagggt 480
ctttttctaa at 492

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<210> 3862
<211> 537
<212> DNA
<213> Mus musculus

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<400> 3862
tgagccatcc agtgggtgcca tcagcaggag gcagggccag ctcttgctgt ctcataccct 60
gcagtcagct cagctgcacc tatgcctcca gagccagctc ggctgcctag ttaatgcaca 120
gggtccactg tccaagcct gtgaggggtt gggcctgctc tcccacgtgc tatagctagt 180
gagaggccag ggatagctct ctcccttagg ccagctctcc tgaccactgc aggagattgg 240
gggggggggtg agagggcatc acccctgtac ccatgccacc tcatggcaaa cgagtagtgg 300
gcctgctctc ctatgccttt tgggaagggt caccctgtgc cccctccacc agggccagct 360
ctgctgtgct gccaggtga ggtgcagggc ctgctttccc aagtgtgca gcaggcaagt 420
aacaagggcc agctctttgc ctttcaggac cccacggcct gttttcccaa ctgccaccaa 480
ttgggggggt cccccccca aaattatgtt gagtaaaagc tagtaccttc tccttgt 537

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<210> 3863
<211> 501
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

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<400> 3863
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ctgttcagac ttgaactatt gtgtgtgggt gtgccttttg gactcaggga ctaggatttt      120
gttcttattg aaaagctaatt cccattctgg cctctgagct cagttggatc aatctctcca      180
ctcactacag ttccttggcc cctgactcgg tgcctggcag gcagtgtatg gtcttggcta      240
agggtgccgg ggggttctag gttctgacca ttctgggtta gactatggct ctactacatc      300
tgagagtgtg gatactcagc gttcacacct aaacctataa aatggaggca actgatcaat      360
gaactcacag actcactggg aaaatgagca aggccgcatg agaagtgtgt ccaattctgt      420
ctcataatga acaggtcttt gtgagctgtg tgatagtaaa cttacagaga caaccagctc      480
tgaagtgaat ggttgccctg t                                              501

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<210> 3864
<211> 507
<212> DNA
<213> Mus musculus

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<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

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<220>
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<222> (97)..(97)
<223> n is a, c, g, or t

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<220>
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<222> (111)..(111)
<223> n is a, c, g, or t

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<400> 3864
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ggcatacatc ctacagctgt gccacattat anccctntgg gggtcactat ntaaactatt      120
aaatcctaca ggaggaggga atgacatggg aggggggaga gaaagagaca gacagacaca      180
gacacagaga cagacagaga gttgaacatt ccaagcacct ggcgcagggc cagctgcctg      240
tgccactcac tgctaagacg aataagagct tgaactggga ttaattcaca tgagttgcag      300
agcatactaa tttatatgcc ccgcctcggg ttgccatctg tgggaaccca cgcgctgaga      360
gtggaaaaag actgaccctt cttacgtgtt ggacagtgtc tttagaaaga gaggatgctg      420

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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 ggggtcaaagc cagctctcta cagcatccag acgggctctc agctctgtga 120
 aaaagggtgtt tccactcttg aagcaaagtg ttgatgcgcc tactaaagg attcaagatc 180
 gticctagca tgtggggaca gatagtgaca ccagagaggg agatacctcc gcctgggtgt 240
 ctaagatgag atttgatctt gcccaggaaa atggtggctc tcttaatatg agcaaatga 300
 aatggtggcg cccctagtgt 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 tctcccaac 120
 caccactcaa aattatttat ttctatttta tgtgtaaaaa gtgttttaac tgcattgtatg 180
 tctgtgtatc acgtgtgctt ggtgcctaaa gagacagaag tggtaatgaa tccccggaa 240
 caggagttac aagcagtttt gaaccacat atgtgtgctc agaagcaagc cagacctgca 300
 agagcaacaa atgcttttag ctactgagac atctcttgaa cccctgaaga gtccatgttt 360
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 cctgcctctg cttcctctgt gctgggagga gaggtggttc cgtgttttga aggactcagg 480
 atgcatcagc agaacctgtg catattgttc tgtgtgtgct ctatgtgtac a 531

<210> 3867
 <211> 367
 <212> DNA
 <213> Mus musculus

<220>
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<222> (104)..(104)

<223> n is a, c, g, or t

<400> 3867

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gggggctgcc ccttcacccc ctgcagcgtg ggtcagaggc ttatgctcac gcggggccgt    180
gtggaaagcg tcccagaagc cccccaacgc ctgcgtccgc ctggctgaac attaggcccc    240
ttttccttcc cgacttttcc ccagggtctc ccaggagccc ccctttatct tgttcccaac    300
acttgcttta agtcttgtac tcacgcagca ctctaaattc aagcccaccc tgatctataa    360
caggttt                                           367

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<210> 3868

<211> 467

<212> DNA

<213> Mus musculus

<400> 3868

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tacttgtatt gtgacagtag gcgtgttttg aagcctcctg ggtttgcttc cttctctatg    180
ggtcggcaca gagaagctgt gaggggttagg cataggtaca tggtagctgc atagggtacta    240
tggtcattat ttgtattat gtcagtatcc ataggaaaag tgccctggaac aaagtgggta    300
gcctcacaga tccaatgtag tgttgctatc atcggggccc tgtacttggg gtggctcata    360
acataagaaa caccatgatg tgttttgacc tgcctccttg aatgagaaga gctttgtatt    420
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<210> 3869

<211> 283

<212> DNA

<213> Mus musculus

<400> 3869

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acaagggtatt cacccaaccc aatgccattt gagattctat gacctgtggc ccgattgctc    180
tgtaggaagt cgcaatgtga aggaaggggg cacatggcta gagttgtggg aacgccattt    240
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<210> 3870
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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> 3870
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 tttttttttt tttttaaaca taggattaaa ctcaagtccc tgtacttgga actttactaa 180
 taagttctct ctccagcccc ctgtcttatt tctcaaggac ttgtcattng gnacatcatg 240
 ctctggtggg ctaagtccta cttccttgca gtaacnactg ccttgggact taccaagatt 300
 gnactaattc accccaagat tcagggttaag gcccatcctt gcaataatga agctgagtta 360
 cttccccggt acacagggct actataaata gctcaagagt ggaaagcctg cttggcataa 420
 atcatatctt ttataatatt caaatttgta tcattaatac aatttcatat ttgcatctgt 480
 gtgacgtggg taagccatga ccagagtcac gctgccgana cgcatatcag tccactccac 540

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565

<210> 3871
 <211> 463
 <212> DNA
 <213> Mus musculus

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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

<220>
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 <222> (337)..(337)
 <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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 <222> (369)..(369)
 <223> n is a, c, g, or t

<400> 3871
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 ctggccaacc tttcctgtag acaaactgag ccagaagtct gacaaggaga gtgggccttt 180
 ccaatgacct caaagtgaag ctgtggcata acacaggact ggtgttggct gtgcaggcta 240
 tcctttatnc aagggcacca nnttgnaaag tgagtctcca acctccccga gatgcatctt 300
 ggcttggcat gcagttgcat gaccacagac aggggantnt ctttctattg ccctcaaggc 360
 ccctttganc gaacacccac cctggaattt ctgccgtgta gactggttct ctaggatgct 420
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<210> 3872
<211> 556
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (133)..(136)
<223> n is a, c, g, or t

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<222> (140)..(142)
<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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<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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<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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<223> n is a, c, g, or t

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<222> (514)..(514)

<223> n is a, c, g, or t

<400> 3872

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attgncncna ngnnnttgc nngnannnnn nntcaggacn ctctggaaga nacngnacan 180

gtncctctgac 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 ntccacagt 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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agaaatcagc atggaaataa ataaaaagaa ccacaaaagg gaggttcttg tatagattag 180
atccactaca ctgccctggt caccagctg tgcttattag aagacctagc acaaggtctt 240
tatcaaatgc ttctgatcat agaattctaa tgacatcacc ctggaggaaa ggcagggcat 300
atcttcctgc 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

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<222> (297)..(297)
<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> (328)..(328)
<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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<221> misc_feature
 <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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 aggctctgct ggattttgac tctgggaatg aattgatggg gctctttgat cttagctgtg 180
 tattgcatcc gttttatctt tcttcttaat gcagccttcc aaacccaat 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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 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
 gctcagggtca 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
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 gaacagagcg tattataagt atgctatctc aaacacacag acgcagcttg aaaatatact 120
 tcagcagcac tgcatttttt tgcattgtgt tttgaagcag caaattctca atctcccagc 180
 aggagactgt ttaactgcac tgcttgtcaa tctaagccag ttttcttaga caaggaaaga 240
 atgctttctc ttttagctaac gtgtgcaatg tgacaccagt gtcttgtgtt tggcattttc 300
 catggacacc aaatggcagg atgctcctca atgttcta atcgctttctt gtcagccctt 360
 cagcttcttt tctcctcttc caagttcttt tctctagagt ctgaagcaga cctacaggtc 420
 aggtgggact ttagtgtgac agctgggcat tcttcctagg acagaccag catggat 477

<210> 3877
 <211> 506
 <212> DNA
 <213> Mus musculus

<400> 3877
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 gtaaattcct ggtgaagacc tggagtcaac tggaggctcg gaggcgggtt ctttggggca 120
 gctgagtcac tgcaggttct ttgtgttagg cttggggaca gtccccagg gctggttctc 180
 tccttccatt ctgggtccca gagaccagct cagctcagcc caggccacca gcgttggcag 240
 ccaagcacct ttaccctttg agacatctca ccagccctca ttttggcttt tttggttggc 300
 ttttgttttg ttttgactgg gcctcactgt agctgagact catgatacag accgggatca 360
 cctgatatgt gtgtggcacg tgctgactc cttagtttgc tttgaattga gattcttatt 420
 ccgatgtagt tgatcctcgt ctttgctggt tctgtatttg caaatttgat ctgtaactaa 480
 cattgctttt gtggttgttc tcatac 506

<210> 3878
 <211> 426
 <212> DNA
 <213> Mus musculus

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 <222> (155)..(155)
 <223> n is a, c, g, or t

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 <222> (158)..(158)
 <223> n is a, c, g, or t

<220>
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 <222> (172)..(172)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> 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

<220>
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 <222> (213)..(213)
 <223> n is a, c, g, or t

<220>
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 <222> (225)..(225)
 <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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 <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
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 gctttccact cagctcttcc ctttctctcg gaggagcatg gagtaacaca gcttatcagt 180
 cttctcatat ttggcatctt tatattagtt ttcttttctt tactcttgat tcagtgatat 240
 ttgtaatgat aatttaatgg aaaaatacat gtggatatat gagaatgtta ggggtgacatt 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
gtaccagga tgccccagtg ccctaggcct ggaagctact atgctagcat aagctgggtc	360
attctgacac ccaggaccac ataagtgtg taacaatttt gttaagggtc cttatacca	420
gtggcctgca atggagtggc aacatctgtc attgtaaggc taagcgtcct ggtacctcgg	480
gcctacacca ggagctacaa tactgggtgtc atcggtcatt ccctcctgtt 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 cacctctaatt	180
gaatgtttta taatccccac tttgcccttc ctcttgtgtt aggaagagga tctagagccc	240
tagtcattgg agacaagaac tctcgtgtg 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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 cttctctaaa acctgagaac ctttacttct acacatctca aggcccctgt cacccccagc 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

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 cattgacatc tagagttaag ccagttagct gggttcagggg taaaggcact tgtcacacga 120
 ggctgacagc cgagtctgct ttgcatccgc atgagggctg aaggagagaa cccgcccctt 180
 ggagttgtcc tctgacctgc acacgtgctg aggagttagc ctccccaca cctcacatac 240
 acattaataa tcatgttttt agtaaaaaat cctgtagaat tgtagtcagg gtgtgnttgc 300
 tngtgtngga ggctgaaaca ggaggggttg cacaantttg aggctagcct gggcagcatg 360
 gttagttcca agccanccta ggtttcagtg ggagaccctn tctcacagaa gctgggacag 420
 ttgagggaaa acttctcatt gttttcatgt ttaagcaata tcatgcttct aagtgnccaa 480
 attacaaaaa gaatgcagac tcgtctcagc tggggatggg tggagctcag tgggtgtagta 540
 catgc 545

<210> 3884
 <211> 518
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (310)..(310)
 <223> n is a, c, g, or t

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 <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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<221> misc_feature

<222> (338)..(338)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (364)..(364)

<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> (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 atgcttggtg aaccttgata tttaacatat 120

agcattgagg tataaaagaa tatgaacttg tgactttctg gggagggtgaa tctccaccag 180

gtttaatgat ttctgggtat ggggtgttttg cctgtgtgta tatctgtgta ccacaagggt 240

actgtgctct ccgggggccag aggagggttt cagatcctct ggaactagag atacaggggg 300

tagagagccn acatatgggt ngangaatgg aatttagntt cttaaccctt gaaccatctt 360

tcngcctaa ggaggtcatt ttcaattata aagtcatctn tactgtaaac atctccaaag 420

aaccagtttt tncctgtctt 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

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<400> 3885
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attgcttcat aggtcaaaat tcattccaca tgcctcaag gaggttttag gaccttgatg      120
taatgtcacc caaaagcaaa actacaagag aactatagcc tntgagttgc actggacttt      180
agaagtaggc atttcactca tcaaattggg tca                                     213

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<210> 3886
<211> 550
<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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<220>
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<222> (332)..(333)
<223> n is a, c, g, or t

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<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

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<400> 3886
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tggttagggg 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
tggnattcaat taaacctttt actaccttct gnnctntctt taattcctnt gatagccctc      360
canaaatggc ttgtataaaa ttaagatacc cactgagggt gaattctgag ttggactaat      420

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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
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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> (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 atgacatgt 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 ttacagtgg 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
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 taactttatg actaagctct gcaacagctt ctactcagtg aatctattgg agatgtacct 120
 gcttctgcct ccctagagtc aggattaaag ctgtgcncca ccatgtctgg cttcctgtca 180
 tgtacaaatt aatatccaaa ttactttccc tcttaggctt ttgttaacca agtgattatt 240
 atttagcagc agtactttcta aaaaagttca gcagggaggt ttggaattat tgtaaaaatt 300
 tgactgtggg gctggttagg agcacgacta ctcttcaga ggaccaagt ttggttctca 360
 actcccatat 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 ctttcagga tgtaaactgt gtgggtgccc ttaaatacctc	180
aaggggagaag 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 caaaaccaa ccaaaccaa caacaacaac aaaaaaaacc	480
actgtagggt ctgaagagta aatttctctg catcagtgac ca	522

<210> 3890

<211> 508

<212> DNA

<213> Mus musculus

<400> 3890

ctctgccatg tcaaccttta ctaaaaagtg tgtgattgaa taaagaaaac ccatttcgct	60
tgcctttaatc cccaaatgtg cccttgtctt cacccttggc agaagatttt ttgccttctc	120
agtaactgaa tttatagagc ctcaagtgaa taacttcagt ttgctttta aaatgtgtct	180
gtttcggctc cactaggggc gaagttggtg tccatgttgt ctttctcatc ttgacattat	240
cactgacaaa cctccttcga ctgtattttc atcagccctc atctctcagc ctctcacgtc	300
acctctctgt gttccctcga aaggttcagc 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
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 gctgtttttg tagttggaca gacagggcctt ggtggattac taaatttgtc ttagtagcta 120
 gatgggttat ataataaaa 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 gtcacttacc cctcagcct 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
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 gttttgtttt tgttattgtt tnnagggaag ggtgttgttt tggtttgttt gggattttgt 120
 gagtttttgg tttgttgtct tccccccag acagttccct ctatctagct ctggctgtcc 180
 tggaactcan gaagaccagg ctgtcctcac actcacagat ctgtcagcct ccagctctga 240
 ttaaaggagt gtgcagtgac acctggctta cgggtggcgta ccttttagtg tccacatgct 300
 gtgtctgcct aaaacctgta ggaagcactt gctctcacct cttccttgac tggggctgaa 360
 gagagaactc agtggttcaa agcattttatt gctctttagt aagacctgag ttcagttccc 420
 agcatccaca tgatggctca caactcccat aacctcatcc cataattcca gttctaaggg 480
 atggtccacc tcttctgacc tcttgcggt 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 ttcattcccta gtctgaaaaa 300
 atacccatcc tggaactctc tagcatccca aatagaccaa gacagcctca tttttatgtc 360
 ttcattcctga ncacgttgag tacctgccac agcttgtgag gctcttggtg tgagccctga 420
 ggtcatggcc tg 432

<210> 3894
 <211> 355
 <212> DNA
 <213> Mus musculus

<400> 3894
 aattttctgag taatcctgtg cctgcttcag ccctttcaaa cagcagcgtg actgcctttt 60
 taagaatgca gcgacacatc tcagctttgc tcgccttact ttctgctcta tctcctgatg 120
 caattatctc cacatgggtct caaatcttcc aagatcatgc ccgtatggga gacaaaagaa 180
 ggcagatcct gtgttgataa agggcacttg gagttcccca aacaccaggt ttccaggcat 240
 gtggaggatt cagtattctg tcattgcttt ttctcggatg cccactgaga gccagaggaa 300
 gcctcgtgta caccctgagg tgtgtggagg tgtaatttac tgggtgccag 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
 tgggggttttg aggcttttga ggaagcgcac tgctctgcag aaatgcacca tctgccatcc 360
 caggatggag aagcaccgcg 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
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 aaatattctt tttagtagta taaaaaaaaat 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
 agcaggggtac tatatgaaat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgttaat 480
 gtttcttcaa aacatcatga gagctcaact cctcaaagat tgaattagtt ccaaggtcac 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
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tttatctcca ctcatttctg ttctttctgta agttcatgcc ctcttgcctt gctccctccc	120
cagcccgacc aagctctaca ctcttgcctgt cgggcctcat ccatccatt attcattcat	180
ctcantcatn atctctccct ctccccccgc ccccaatccc aggtgaatag ccacctggtc	240
caactggctt cacgctcttg gccacagga gaggtctctgc tgcagtgagc tggggaaata	300
aatgcccgtg aagctgtagg ttagagacag gctcaaactc agagaagagg cagtgtgaag	360
tgcacccgtt agaatcaacc aaagacaaa 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	
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aggagagtggg ggagaagagc aagctgcagc ataacacagc atcaatcctt taaaacaata	120
acatgcatac acaccaatct aacataggca gctataacga aaattacatg caaagactgt	180
taaggcctga cacctcacac catttagttc catgcccacc atcgttgctg tgataggtct	240
gccagtcattg gacactgaaa cataacttga cttagagcag ggtcattgctg agcacatacc	300
ctgtttttgtt ctctatgttc tgagggtttgc taatcttaag aaattccaca aagctttatg	360
taggaccctt caaattaaag gtcaacatga agtgttatgt ctaagatgac ttgaatcaga	420
gccaacacct gggcaacttg tcctgcacct gcgtatgatc tcaactgtggc ttttatggtt	480
ttgtttttcc ttatatacgc agccatgaga aatgtttgct aacatagcct catctatgac	540
cctgaccaat cagt	554

<210> 3899
 <211> 474
 <212> DNA
 <213> Mus musculus

<400> 3899	
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ctaattccag cacttggggg ggggtggggc aataaatatc gaggccctgg tttaaacagg	120
aaagattttg taatctcaag ttatcagtgt attccagtct tcagtgtgct tgggtgcagt	180

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ggtgatttag aaatacatca gcatggtggg atagagttca ggtttgagaa tatggcagat 240
gtaaaattca ggctctgctt gtttctagcc ccatggttat gaaccagtta atttccttgt 300
gaatgcttat ttcttttttg tttgttttgt tttgttttgt ttttcaagac aggttttctc 360
tgtgtagcca tagctgtcct ggaacttact ctgtagacca cagaaatctg acatgagaat 420
gcttattttt gtcataatact ttcagtattg agttttgtgt catacctagt ctag 474

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<210> 3900
<211> 490
<212> DNA
<213> Mus musculus

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<220>
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<222> (254)..(254)
<223> n is a, c, g, or t

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<400> 3900
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ctcccaccca cttagatgct gatggcctgg gactataaac agggacagtt gggctctcta 120
aggaatagct tccaggcca ggatgctggc atctcccaga gagaactcca tcccctgacc 180
accaaggcct ttgtagaagc aggaatctct tcctcctgtc ccacagcccc caggtcagag 240
ccaagcgcac catntgcagc acacatgtct gtctccacag gcaagcaacc ttgccaaggc 300
aggccagaca ggacagccca gcttcccact ccagacatgt tgttcttaca tctctgacct 360
agtgatcttt ctaggggtct gtcacatgtc ccaacagggtg gacagctctc caagtcacca 420
acctgaggaa aatatccctc cttgtaaaaa ggctttctct ttgtaaatga ttctgttgcc 480
tttttctaaa 490

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<210> 3901
<211> 496
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

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<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
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 gctctcagaa ataagactca gactcaaaaa atattacaga tacctcagcc ttgtgccagc 120
 cctcaggact agtctcagac gagatcaaaa cttagataac ccatgtgctt taacctacat 180
 cctgacacgt ggctgggttac ctgggctcag gtacatgtg 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>
 <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> (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

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<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>
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<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

<220>
<221> misc_feature
<222> (197)..(197)
<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> (371)..(371)
<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> (527)..(527)
 <223> n is a, c, g, or t

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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 tgggtttctct tacttgggag gtgggaacag caggggaaccn 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>
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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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 <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> (156)..(156)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggccagatca cagagcnttc tggggaaccc aggnccctggg ccttagaccg agagtgcctt 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
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 gagtgaggca acccaacctt ttttcatgac tgcctataac gttctcagtc tctcatgaag 120
 ttgcttttctt ggacacttgc actgggcagt ggtagccaac catggggcct gggcatgatt 180
 taccttggct tttacatgca ctagacatga aaatgggagc ttcattgctca ttatagagtt 240
 gaaaaaaatg tcaattgata aaacaattta tgctgaaagg taggaaagac cacatttacc 300
 ccctcttaaa atcatctaaa gatttggtag ataattagat tatttttcta gtgtgtacag 360
 ttacagtgtt ctttactta 379

<210> 3905
 <211> 527
 <212> DNA
 <213> Mus musculus

<400> 3905
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 agggtaggga gcactgagtg tggccttact atggaagtag aaatgttatg ggtcaaaatt 180
 ttatgctttt gatgtcaagg gttttttttt aatgcatcaa aaacaaacaa acaaataaac 240
 aaacaaaatc tattgtcaag ggctctctta tggctcttagt ggatacctga ggtcctgaga 300
 ctgcagcaaa gtctaaactt ccatgtagtt ataaagttcc aggtatacta aatcagcata 360
 agggtagcat gtttagctca ctaactgagc agctaccatg gcttagcatc atagtgaatg 420
 tacagtactg gctgttttct cccttgctca cacagctgac tgacctgtag cccctgctg 480
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<210> 3906
 <211> 495
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (293)..(293)
 <223> n is a, c, g, or t

<220>
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 <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>
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 <222> (355)..(355)
 <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> (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

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 attcaaatat atgatcctgt gggggccatt ctaattcaaa ctgccaaagc tccttatttc 120
 ttccacacta tagcctgatt tcctagaact tctgcgtact cccttgctcag ctcctgcttt 180
 ctgtacaggc cccaaatgca gtcacgtgaa cttccttcca ttgctccagt attcatgctc 240
 cttattttttt ttcttttttc cttttttttt ttttttaagt gaggtttgag canggcgagt 300
 ccactagana ctgaaaagat cacaaacaga acactcactg actggnccca acttncctt 360
 ggcccagctc tgtagcaggg cacaatgnta ccttggtctt ttcttgagta actctaggac 420
 ttactggnca ttccctgntc ctagccacta caaccagaga tgatgagata gcatggtgtt 480
 atccaagga ataat 495

<210> 3907
 <211> 399
 <212> DNA
 <213> Mus musculus

<220>
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 <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
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 agacaaatgc caactccac aaatactatg aggaatgaac tnaggacata ttttaaacaat 120
 attgggtaca gcctatatna gaactatcct aaaagtgtgc taatttaca tggtactacg 180
 gttgccttac tgtttacaca gatgcaaaat ttgttcacaa gcacctaccg aatgccatat 240
 agactacaaa aatcaagatt tcaaggaaga ctttaagttct gaatctgtac atatttcaaa 300
 ccttgctcat aaacagatta ttaaaaatat ttcataagatt cattttctga gagcagattt 360
 gaggctcctca 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 gttcttcctt 180
 gtaccttcca tgccctggcac tgagctgtga ggcattgtgg ttaggcagac atgtgaatta 240
 gggactatga ggaccccatg gaggtttgga cagacagaga tgtctctcta tatatcatgc 300
 cctgaactca ctacttcaga gcagccaaga gttgctgctg ttcactctgg atgtacagat 360
 aggatgcctg gacaagggtt ctcattctat cacttgggca aatggctaac ctcagtttcc 420
 tgatctgtac cagaccag 438

<210> 3909
 <211> 511
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (145)..(145)
 <223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 3909

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caaaaacatt tcctcccttt tagggtagtt tatctttaaa accaaagcca gggcccatta      120
gaaacatggt gaaaatcctg tgttntatga gttgatgctg actaagccat ccactgtcat      180
cgtccttcct gccttcctgc cactgcctag atttggccct gatttccaca ttgaaagggg      240
tgtgcttagt gctaacacat gtgtggctct gggagaggcc gacacagccc gctgctcttc      300
tntgagccaa gttaaacagc tgagggaag tttcacagac atgattgggt aatggttcta      360
atTTTTTTTT caagtgatag aaacacagca ttcttgtaca gtatatagat taccactctc      420
ctggacaaca tcagtaacct ctttacaaca ttacgaagcc atttgtaaaa acacataaat      480
tgtattgttt agccatcttc ctgatgtgtc a                                     511

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<210> 3910

<211> 473

<212> DNA

<213> Mus musculus

<400> 3910

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cttcatgctt gcatggcaag tactgtaccc ctgagcccca ataaatattc attttacata      120
caacacgggt tcaaccttgc caatcccctc tcaacagatc tgtgctgagg atcagtgttt      180
tgagttagta tgggctccgt atttgtgaaa atacaggaat tcgccctttt cggtggcact      240
tcctaggcat ctggctgcat caagatgaag ttaaagggtct ccttcccaac caccagccgt      300
ctgaaactca atgctgtaga tgatgacctc agacttgata ctttctattg gaagtacata      360
accacagatg tagctgctga tgctgggtaa agattgagag cttgtgtggt cttctcagtg      420
acagggcaaa caaggttttc ccatgaagta aggtgtcttg acccatggcg gag              473

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<210> 3911

<211> 427

<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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<221> misc_feature
 <222> (312)..(312)
 <223> n is a, c, g, or t

<220>
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 <222> (361)..(361)
 <223> n is a, c, g, or t

<400> 3911
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 gggccatggt cacatctgag ggctgtgcag ggctggcgag gccctcact gttctgaggg 120
 catgaacaag ggagagttgg ctcacccaac atgggctgca gcaccacatg gaccagtg 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
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 <222> (486)..(486)
 <223> n is a, c, g, or t

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 gaccagtggc agtagctgcc tcaggccctc tcaaggttct caatttatac cctctccaga 180
 gtccccagaa ttaaaccatc tgcagctggc agaaatcatg ccctcttaga gcacgagaca 240
 atcatagtta acgactttag acaaaactaaa gcagctccat atcccacacc tgggattaca 300
 acaaaaacat tgacacaaca taattagggtt ttcaaagaaa ccaaaagttt cactacaatg 360
 atttctctca acctgattct gcagaacatt tgtaatgtta attaatatatt gatagcagaa 420
 atattgattc atctttgata ataaataatt tcattgaaga ggtgtctgtg tgctgtatct 480
 ctagncaaa gtctcttttag 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
 gtgtggttagc cgcattctga ctggaagaca gcatttcaca gctctcttcc tcagcttcag 300
 gcttttccca cctcctcttc cacagagaaa gaacttaggt tgaacttatt gctggactca 360
 gaaccatggt gcaccgttca ctggggacac atttatctga ctatctat 408

<210> 3914
 <211> 524
 <212> DNA
 <213> Mus musculus

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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

<220>
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 <222> (373)..(373)
 <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> (496)..(496)
 <223> n is a, c, g, or t

<400> 3914
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tgatactata tcaggtatcc caaagggtaa ggcctggcca ggcacttcat ctctgactgc 120
atggaaacct gatccctagc ctggctctca gaggtgaaac taaagtcgag cagcagttccc 180
tctggccaca gtgactttgc tctcctgtgg tttttaagtc tgagtacatt cctgcccacg 240
acatggctcc tgagacagcc actcagacaa tctaattctgt 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 ggggtggcata gtacttgtct gtaa 524

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<210> 3915
<211> 470
<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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<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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tgtcatcctt ggcttctacc tatctgaggc cacttgcaga cccaactgac caatcaaccc      180
ttcaagcctt gctttctccc acttcttcac aacctcaggt ttaaatttgc ctcgactgat      240
ggctctccagc aacctgtcaa aaataacacg ggctacattc tagatttatg aatgcctaaa      300
ttngactnag ggacagagtt ggtttttggt ttttaagatga ggtntcatat agctcaggct      360
ggtcagaact ttatacagc canagacaat cctgaacacc attctngtcc acctgccgct      420
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<210> 3916
<211> 471
<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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<220>
<221> misc_feature
<222> (37)..(38)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (72)..(72)
<223> n is a, c, g, or t

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<220>

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 <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> (94)..(94)
 <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>
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 <222> (108)..(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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 <223> n is a, c, g, or t

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 ctacaggttg agaactgctg tgttagaatg ggcagcagta agcctctggg tcctgagtcn 180
 agagtaaacc tggcctcagc cttccagcct cagccctgag ctttagggaa ctgtgggttg 240
 tgctgggaaa acttagggag aaaaaacctc ccaacacaca gtgacattag acatcaccag 300
 gtctagatgt agcttagctt acaaattatt gatgaacttt tcattttatt tccacaagaa 360
 acttctggga ttttttctt 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

<220>
<221> misc_feature
<222> (383)..(383)
<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>
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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

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

<220>
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<222> (509)..(509)
<223> n is a, c, g, or t

<400> 3917

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ggcaaacatc tatctgctag ttcctcctgt gctcaacccc attgtttatg gagtaaagac    180
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ctaggaaatc atgatgaaac ctctctccat tcaaagttct gtaactcaca ctttagtatg    300
atatcttgga agacagtatt nagaaaaataa ntnttaataa anatatagct cagatctttc    360
aaggatgaaa cttgctgtgg nanttctacg tggnatggaa gaacacctnc natctccatt    420
ttcnaatatt acattcattc ttttgttttt ttctctagat aattattaag atcaagactt    480
gtgttttgaa agttatttct cacaatttna tcaactcttc caaatttcaa ttcatttcac    540
tgatgatcgt tcacagcatt                                     560

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<210> 3918
<211> 516
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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aagtttctac tacatatattt gactcatggt ccctttccta aagccaaaca cagctgtgta    120
atttttcttc cattgcttca ctctgacact gagtctcttt ctatttcctg tttctgctgt    180
gaagggccct tgtgattacg ntagggccc acctgcatca ttcaggataa gnctattntg    240
aagatcagct gactggcagg cataatttca tctgcaaagc tntaatgcct cttgagcaca    300

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gaatataaca tattactagc tctccagatt aggatgtgag cttattacgg aacattatTT 360
 tgcattgccac atgtgctgtg attgctaaaa taaagtcctc taactaaaca aaaacattga 420
 ggaagaaaca caaggagata cctgataagg ctagaatatc aacagtgaag tcctgagagg 480
 aaatgaaagg agaaaactac cacacagata cagaag 516

<210> 3919
 <211> 513
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (333)..(333)
 <223> n is a, c, g, or t

<400> 3919
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 cctctaaata taacctgtca cattgaccat ttcttacttg ttcgggacta cagatcagtg 120
 cgtgggttaag actacatact atgcagttgg tcccatttag cacagtgact aacagctatt 180
 cacaggggag gcttaattgt ggtctacaga attgccttat gatcctactt caagtaatga 240
 ttttgtggaa acgaaggcaa accaaagagg taacagaaag caaacagaag cagctgaggt 300
 gtaacttaag cggacactcc tgctcctctt tantgctgtt tcataggtgg tagaatcaag 360
 ttgcccagga ttagctcact tctctgccag gtcactgtgt tacttgatgt gcaatcagtt 420
 agtggttttc cttagattct tctgctgtac atgctgggtc 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 ccttcgggtta gctcaccttc cgtggcctgt 120
 ctcggaaga gcaggcttct ttttaagcag caaaatggag atgtgtaaac agtaggacat 180
 ttcgataact atgtcaggtc agttcttagt tcagtacttt tcattaaaat ttgatatacg 240
 aatttcctct agaagaagat ccctgtgtag gtttcagact ttattgtcct ttgaggacag 300

tgtcctcatt gtcctttttg attgaaaaca atcaactttt ctgccttcat ttttaagtgcc 360
catgtctctc atagaat 377

<210> 3921
<211> 349
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(198)
<223> n is a, c, g, or t

<220>
<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

<400> 3921
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tgaacactta gtacttttatt gtgagctggt ataataagag attgtcaggg ggaaaaagga 120
gagatgcagg gtgaccactt tgtgatattg aaataatctt agctatatat atatatatat 180
atatataann nnnntnnncn nnnnnntnnn gcagtaagcc agccataagc tagtgacaaa 240
aagtatatatg ataatgtcag tgtattagct gcctttgaca gtgataaggt aggacttgaa 300
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<210> 3922
<211> 496
<212> DNA
<213> Mus musculus

<400> 3922
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ctgccttccc atgcctgcct ggctgccaca aatattgttc aggttgcag ctgttggcat 120
ctggtaaata taattcttac tggcccagag aatgtgctaa ttacgtcctg cagctaatta 180

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gaaagcagcc tctttgctag agaagagttt atttagttca tcaatgaata agacttggtt 240
tgaatcttga tttaaaaatc aaaaggaaat ggaaatggga tgagctagac caaaaaatgg 300
cctttaaaga aaggacaca tgctatttaa ttttaaaaaa atatagattt ttcagtaaga 360
gccagaagga ggtgaatttt cactaaaact aaaaagtttt gagtacattt acatttcaag 420
aatgaacaaa tgatgctgat acattattgt cagacttcag atagctgaag tcgctgtggc 480
cagaacccaa tttgaa 496

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<210> 3923
<211> 535
<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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<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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<220>
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<222> (370)..(370)

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<223> n is a, c, g, or t

<400> 3923

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taagagggag nacagaggca gtatatgcta gaaagggaga attaacgcaa gaatcanact	180
ctcttgctgt agttctcatc cttattacct gctaagtana caatattgaa caaatcagnc	240
agtctcactg antttgggct ttgtctgtcg gaatgattat acctatcgtg cagagtcgct	300
tcacaaaatc taacaaggcc aagtttattc ttgtttatact gggcagaaaa ggctccagaa	360
attagagctn tttaacaagac tgaagaaata gcttagtcag taaagtgttt gctgtacaag	420
cttgaagatt ttactttaaa ctccagaacc tatgtgaaaa tgccagggtat ggcatatcca	480
ttaatcccag ttatggggag gcagaaacca aaagcttcct ggagttcatt agcca	535

<210> 3924

<211> 487

<212> DNA

<213> Mus musculus

<220>

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<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 accatgtggg 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>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 3925
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cttgaacgg cttatattta agcatatttt gctcggtgcc ttgatttca atgcaaagtg 120
tatgcacata tctcagttct gccatccagg ctggcaaadc agaacagtct tcctagtggc 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 ttctagctg 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

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gcgattgtcc gtggatttca caccatcctt ccgtctccgg gatgtccctt gttcctaggt 120
tgcaggcttt tcttctgga cccttttctg cttggcccca ttgctgggg tagttaccac 180

tgnatgctca gtactggctt gaaaactccc gatggaggga aaacgtactc tccttgctag	240
ccccatcttt cagaacacgc tttaccactc ttttatgggc acctgcctgc ttatctgtgg	300
ccctccctgc tggatataag tcacttcctg tcttggtggc ctttcctcgc ctgaacaggt	360
cctggcaaga gtctgnttga gtgaattgga aaggaatata acaccccctc 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

<400> 3927	
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tctgtgttca tgctgaacct aggtcccctg ccagggcgga gttcaaatta aaagtgaggc	120
caaaatcnag tttgctttca taagccacag atcctcctgg tggttcctga gtgtgcatag	180
ttaaatacctg tgtttttaga gcacctgcaa gccagggagg gagagcatgg ggcagacagt	240
ggtncgagct gttcaagcat gatgaccgga gttcaatccc cactcctcac agaataggct	300
gagtgtaggg cagacagcat gatagctccc tngctaaggt acttggtgcc 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

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 tctatgatct ggtaaacata gttaaagttg 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 attattttatt 360
 aataagtaaa aagagcgatt acaaatgtta ggaccttaag gccttgggtca aactgaagac 420
 tttaaatgg cagggaaagt aatgataaca atgctgtcta tgtaagcaca cctgacagta 480
 ccttggaag agtataaaag tcttaccctg taagctatgc tttctttcag taactgga 538

<210> 3929
 <211> 485
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (256)..(256)
 <223> n is a, c, g, or t

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 tctctctgtg tgtgtgtgtc tttggcttcc acatctacta tgtgtagcta gcaggtagat 120
 ttctgtgttt tcccgaacac tgttgggtta agatggatcc cactggacaa tttttcttct 180
 ctctttatca tagccctggc atctgggctt aatacagttg ttggaaacta ccctagcgaa 240
 ttcacttgtc aatcantctg atatcctagt gcctgggtggg ggtgtgggga gggggataca 300
 tgaccttcag ccttcatcta caggagccaa gggaagacat tgggtgtgag ctgttggtac 360

tgatgtaaca tgaatctgct cagagtcag catgcttttc tcaactgcaa 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
 tgggtgattgg ccaggctcag aaggacctgc cttcttaaag tccattcct tcagccttga 180
 gaatcccctg aggcagcttg ggcttaggca taggcgctca ctcccagtgt ctcaaacctc 240
 acacgggcta tgagcccatc cccaggatta ctttaagtaga 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

<210> 3931
 <211> 530
 <212> DNA
 <213> Mus musculus

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 <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> (335)..(335)
 <223> n is a, c, g, or t

<400> 3931
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ctcacttata ctctgaagct tgccacagcc ccaggggaag aaccaggaa ctatcncnc      180
agagaatgcc ttcctttata cgtggtagga gtggctgtca gaggaggggg atgtggctgg      240
aagcatccac atggtcgctt ctgcacctta tcttcaagct gctgaacaaa gttcaaaacc      300
tagtccaacc tctcatcata tctgtcccaa gggcnccttg tgaaatgccc tggaaagcat      360
gtgatacaga gggactaagg gagatgtgag tatatgtccc tgtatgttaa aggaccagtg      420
gtcataggag accattgagg aaaatggact tggattcatg ggccctggaa aatgtacagc      480
ctctgtacct gaaggaaagg aaccagggtt cccggactct atgacagggc      530

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<210> 3932
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

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<220>
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<222> (450)..(450)
<223> n is a, c, g, or t

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<220>

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<222> (458)..(458)

<223> n is a, c, g, or t

<400> 3932

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ttgcaaattg tatctnggat acgtcttcaa agacaaggcc tgagtactga ggccctacag      180
cagatggaaa tgatcctcag gagatgcccn ccacaggagc ttgtagtata agtagctctg      240
cagcagagct ctggcctagc actgacatgc cgacgccctc tctcagtgcc cagcactgac      300
catggaaggg gggtttagtg tgaacctaga accaaagttc aatgacagaa ctaaagtaga      360
atggggaagg ggttggcact ggagagctgg ctgggtggct aagagcactt gctctaagat      420
gtgtggacta aaggtaaagt gttggacacn ctgtgacnca ctacagcttc cacagtgaga      480
gatttttttt tcttttgggg aggaaagttt gcaaggtcag agagctg                    527

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<210> 3933

<211> 510

<212> DNA

<213> Mus musculus

<400> 3933

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atcccaaaag aagttctcga cttggtgtct gggtttcaaa taccaatctg ctcttggaac      180
gccttggtct cactccgtct ttgtttttat aaatgcaggc tagctcattc taactctgaa      240
cacttctgcc agtaaaacaa tacatccaaa tacaataaca ctggtcacga tctcagtcca      300
gagattcaag gataatcaga atatttatat ctgtcagcct cccttaccca cacctctgtc      360
tgacctttac atttagcagg gaaattcaga ggcgaggcgg gggaaatata ttgaaagcaa      420
tagaggggtg aatttgaagc catggatgtc actcttgtct tcctgaaatg gttttctgca      480
tgtccaggca gatagcatac ccctgtaatc                    510

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<210> 3934

<211> 434

<212> DNA

<213> Mus musculus

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 <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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 <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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 <223> n is a, c, g, or t

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 aattcttgag aaaaaaaaaat atgtgatgga tgaggaaatg gctaaggaag tgaggtagtt 180
 gccatgccta ttttaattttg gtttttggtc agatcctcca gaaccatgga aatacgtgtc 240
 ctgtaatttc agcatcccca tgagtagaaa aaggaggaggaa naagagacat cttgaacttt 300
 tgggtgtatgc agtggtanat gcagtgggtga ataagagaac ctanatcaaa cagtcaatac 360
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 ttctttctgt gtac 434

<210> 3935
 <211> 499
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (302)..(302)

<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

<220>

<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

<400> 3935

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gggggtaaga aaagctactt ctatggagat aagagtttaa atttgaatgc cctgtctcgg 120

ggttctgggt ctgcctaacc ctgcagtctg caaggactat ttgctgcccc agttgaggaa 180

atgttttagtt gataagcaca tctttataaa ccttatttct gtgcatctgg catttaaaag 240

cacttaaata gataaactag tgggttagcc tcagacataa tcaccactcc ctttttgtgt 300

tntggataac naaaaaaaaa actaattgta cttgaactat ttattcttga tttgcagaaa 360

aataatttta ctagagcnat ggtaaaccga aggcattgtga ttnaaacatt ttgacacatt 420

tnaaattgct gcgtntgcta caggtggtgg aagggtttg 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>
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 <222> (344)..(344)
 <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> (416)..(416)
 <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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 gcctactgcc ttcagacaat gacacttaca aaagcggaag caggggtgca cagatctcag 180
 atgagggctg ccctgggcta aggcattcat 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
 tcattgagtc atacggtggc agaacatgct ttttaattctg gcacccagga ggcagaggta 60

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cacagatctc ttaatttgag gtcagcctgc tctacagagc aagttccttg gtagccagag 120
ctccacagag aaacccttat cttgggaggg agagctgaaa tgattagtat gtgagtggag 180
ataaaaactca 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

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<210> 3938
<211> 521
<212> DNA
<213> Mus musculus

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<400> 3938
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tgggaccctt taatactgca gcctcacgct gtgctgaccc ccaaccataa cattattctc 120
gttgctactt catagctgta attttgctac tgttacgaat cataatgaaa tcatttgact 180
tggcagaggt tgggtcccc agattgagaa aactgacct agacaaaagt cttgactctg 240
agtttcagtt ctgtcatctg tcctgaggac cagagaagga gcaccttcca attccttcag 300
aagaagttag agcagatgtg ctgtgtgccc aaaactctta agaaatcctt ctacgttagt 360
ccccctcttt ggatctcaaa ttctgtgac cttctaacct cctccctccc gggaccgagc 420
cggaatcta gaaagtctt gacaggcaag agtgtgtgtg ggggggagtc attattattt 480
tgactgatta cttatgtgtg actcttagct ttcccaacct t 521

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<210> 3939
<211> 416
<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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<220>
<221> misc_feature

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<222> (193)..(193)
 <223> n is a, c, g, or t

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 <222> (197)..(197)
 <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>
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 <222> (306)..(306)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (375)..(375)
 <223> n is a, c, g, or t

<400> 3939
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 cataacggtg gccgagtgcc caaaacccat cactacactt ggctgccatt tgttccttgt 120
 gcacttactg aagctgggca catccaagag cccagtaagc ttttgaggtc acagcctgtc 180
 catcagaaga ncngggntca agatcaagtg cttgggtccac 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>
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 <222> (282)..(282)
 <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> (320)..(320)
 <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> 3940
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 tcagcctccc aggtgctggg atgaaaacgt ggtgtgcttg actatcccat ctagacaaca 120
 gtaacttttc ggggtgtggc aacaaagtgt aatcttcata catggtggat ggggtgaatct 180
 ggcaaaagcc agccttggct tcacagcaga tttagaggtt gcttggatta cataacatag 240
 tatctcaaaa tggaaataag gaaagagaaa tgtgtaaaag antcagagga aatgaggact 300
 nttagtttga aatagggctn ttctgagcag tgcaggcagg cctccttagc ntcttggtgc 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 ttgtctatct gtgctcagtg ttagatccca gaatttgtca tttagtttga 120
 aggcattgga 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 ttgttagatc tgtcttagaa 420
 ttttctatta tagtcatatt ggctggaata cctgttaagc ctggccccgc cttgggtttc 480
 cttagctggt tgaataaatc atttcacgtt ttggagactc aatcttccca cttgttga 539

<210> 3942
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 3942

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cttccccatc cactgcctgc acctgttccc ttcctccgag ccattccaag gggctctgaat	120
aaccagtcg gggctctgat cctcctctgc ctgccttcct gctgggagaa tagttagcac	180
ttgcctaaag ctggaacctg gttcagtcctt tctccctcac ccatgccaac tctcaaaatc	240
attctttttc ctaattatct tgaaccagtt aatcatttcc aactgactg ttcagtaaca	300
aggatgtagg gagaggcagc catgcatctt gtctgcccgg ggcccacatt taccacaggg	360
gtcaatgctg gatgctggac agtaggcttt cctcaaaaga agcttgcttc aaactgtact	420
cctttgcggc tgagaaaaac acgccctaca aaaactgaca agctctcaaa tagcaacca	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
tcggcagggtg cctatcagga aagattcctt ggtacaatga acatgtctct gtctgcaact	180
tacaaagtat tatgacagag ggttcctatt tgacgagtgg acgtatgcc acacatggtt	240
aatgtgtctt tcattcttga 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
tggcagtgtc cgggcga	497

<210> 3944

<211> 501

<212> DNA

<213> Mus musculus

<400> 3944

gtattgactc cttattcagc tacaggattc catggtgggt gttctgctta ctgtccttga	60
gaatatttca ttttaataatg tcttccagtc ccacccgagg tgttgaaagt gactgtattt	120
tatcttttta tggctccata atagtccatt gtgtaccac accaccattt attttttcac	180

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tcacctgttg ctaggcactg aagtagatcc cacatcccca ggttttgtga atactgctgc 240
agtaaatatg agtacagggt cctcctgggt agcttttgta tggaagacac accttttcat 300
agactgacag cgtcttaagg acacgctctc attgttctgc atttctttta ttttgtggca 360
agggtggggaa ggatgggttg ccatattcaa catctcacct atttcccaag gctgcttaag 420
acatttccca cacacattga gaccctgtgc tcaagttgga tacttctggc gtcaactgtc 480
caagcccat gtagtgcaaa c 501

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<210> 3945
<211> 554
<212> DNA
<213> Mus musculus

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<220>
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<222> (263)..(263)
<223> n is a, c, g, or t

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<220>
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<222> (338)..(338)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

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<400> 3945
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aaactttatt tcatttaaaa cttgtatttg ctgtaggagt ttggggatga ccgagttggt 120
acatgctttt cttgcacgtg tgaggaccct agttcaattc ccagaacca tgttgggggt 180
tcatgcttgt aaccccagca ctggtgaggt agagtcaggt ggctcttctg ggctgaccag 240
ccagcttagc ctaatcacia gtntcatgcc aaagagagac cctgtctcca aggaggtgga 300
cagctgtcct gagaatggta cttgaagtta ttgcctgntt ttaaacaatgt gcacacatgt 360
accctccctg caagtgaac accccccac ctgcacatgt gtacacacgt acacatgaac 420
atacatatat gntgcatagc aaaaccgcta tttgtgtcct ttgtgtgata actttaagag 480

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gggaggaact tactcctgtg ggncgtgcat ctgaccaaca cacacatgca gtggcacttg 540

tccacgtaca tgct 554

<210> 3946
<211> 505
<212> DNA
<213> Mus musculus

<220>
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<222> (87)..(87)
<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

<220>
<221> misc_feature
<222> (100)..(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> (110)..(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> (121)..(121)
<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
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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> (154)..(154)
 <223> n is a, c, g, or t

<220>
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 <222> (157)..(157)
 <223> n is a, c, g, or t

<220>
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 <222> (167)..(167)
 <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> (191)..(191)
 <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> (212)..(212)
 <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> (469)..(469)
 <223> n is a, c, g, or t

<400> 3946
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taaagctatc tgtggatctg aatgatnggc tcnanacctn ggagtcctn gcgnttcagg 120
naagcntgag gncaggagga tgaagagttt ccancngtc tggaatncnt agactctgta 180
tcaaaaaaaaa naaaaaanca attaaagtaa tnaaagcagt aatnatgcta ctttggaat 240
caattctctc ttccccagag tatcttggag caagagatat ttattagtca ctagagggtt 300
ttttggcctt tccctggaca tattcgggga ggaaaaata ataataactg agagagacaa 360
aggagctttg tttctgctgt ttctaaataa cacaaaattc tgtcattcat ttcttatatt 420
ttcccacctc agacttcaag cttataatta tagattaaat acctgagcnt tgcacagct 480
aaagttctct tctgaagctc aagag 505

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<210> 3947
<211> 491
<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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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

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<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

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<400> 3947
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ttttaaaaa cattgttatg ttgtccaatt ccccgatgt taaaggtgac ttcaaggaaa 120

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atagtgaaaa aacccaaatt tggctgcata atatggacca agtgctcaga ttatatctaa 180
cccactgact ccatatatta tatctaacct actgactcca tatattacca atgagagagg 240
caacattggc actccatttt gttaatggga aactgagatg cagactaagg cccacttag 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

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<210> 3948
<211> 485
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <222> (431)..(431)
 <223> n is a, c, g, or t

<400> 3948
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 cattcctgct gtctcaggcc taccactgca ccacattacg ctccaggacc atgctcaccg 120
 ggactgggtgt tttcgtttct cttgggtaga cgcctacatg gacgctgtcc tgtgggtgcgc 180
 ttgtgaagtt cctgtttacg attttatagc cntccaaact atcttccaaa gagcctgccg 240
 tccatcatgg ntgtgcctgt gtgagnttcg cttntctcc actgtcacna acggttgggtg 300
 ttgtccggt aatgtcgtca ttccccgga agtgcagtgc taccctgaga ggtttgactt 360
 ggattncct 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 cttaggctgt gtttgttacc gagtcatctg 180
 aagatgaatg ttttcaacta ctttttacag agaagttgga tagcctgacc cgctgagcca 240
 ctcccaggca gttctcccgg cagttgtgtg ccgtttctgt ccataaatac tgtgccaggc 300
 tgtggcctca ccctcggtctg tgtttctctg actctagggtg gtagtgatcc cactgtgtct 360
 gaagtgtgtc tcaactgtcac cttcactcac atggccctaa aagcaaactgc 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 gccttgggac aagcannnnn 360

nctnnccagc tgaacagaac cctgacaacc ttagacttac aggagaatgc cataggggat 420

gaaggagctt cctcagtggc tggcgcaactg 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

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cttttggtcaa agagcagctt cctgcttaga gaaggtgtgt gcatatgtgt actcccaacc 180
acagaaactg gtagagggga gagacacgtg ggtggatggc tgtttgaaaa gatagtagga 240
tggnctctag tgtctccagg cactggatgg cacttgcaaa gcttgtctct aggattaggc 300
aaatatctcc agggaaatgaa ttagaaacgt gcagtctgtg ttgcctttga aataagctct 360
ggcttaaaac catcacaggg aaacatgcct ttgaattgga aagccagaac tttttttgca 420
aaataattca aaaagtttgt tgaaccttaa acctttcctg atgactcttt ccttctgaac 480
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<210> 3952
<211> 477
<212> DNA
<213> Mus musculus

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<220>
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<222> (263)..(263)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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<220>
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<222> (302)..(302)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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<400> 3952
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ccatatcata ctgcattcca gaaaaagtta agtcctgctt ctgttcatgt gacccgtgca 120

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ctgctgggaa gtcctgtttt ctgccatttt cacagatgtt gttaagaaat tcatggatct   180
tttgcacgca tgtgtgcagg caggctgtag gttgctggcc ttgctctgtg ttaataccct   240
tgagagagtaa atatagtgat tancatttgc taccnaaatt aagtgattnt agcnggctct   300
tnatatagga tcagtacaag tgggtaggat ctgacatta cttaaagaa gtcacatgtg   360
agacnattcat ttttaagagc ttttaattgac aatcagtatg ggctacattt gaaacctcta   420
aatgggggttg gcaaaggagc ttgctccaac ctgacaacca gatcctatcc atggtgg    477

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<210> 3953
<211> 458
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

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<220>
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<222> (247)..(247)

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<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

agaacagcca ctacatccag aaatgggtgg tccagagagg nagctgagat gaccaacggc	60
agagtgaagg ttggnagctn gnagcttgag gagnacagtg tgnatgagag gtgacacaca	120
gcctcgtgtg tgtgntccag tcccactgct ttccctgatg agctcagacc cgctcatctg	180
gtgcctgggc agtcttctgg tctgcaactgt 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

gtaagcatac caaactgtga gccaaattaa cctgctttt ccttccttgg ttctgtnaga	60
tatttgtcac agtaccattc atgttctgtt gtaactttta ggaccaatga cctaacgtcc	120
ttcctggttt caagtcttca tggaggctct gtgtcaaggg gcagtgggtga ggtgggagtg	180
tgtatcttac ttatttgtca actactgtta tggtttggat nttaaattgtc attcaaaggc	240
cacattacag gccgggtccc agtctatagt gctatctaga ggcaaaggca cttttaggag	300
gtggggccta atggaaggaa ttgggaggtg tttccttgag gggatatggg gactccagcc	360
ttttactctc ttgtattcct 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 ctaacaaaaa gattattttc attgctactt tatagctgta 360
 aatttgctat gcttgtgaat aataatgtaa atacctgtgt tttctgatag tcttagttgt 420
 cccttgtgaa atgatacctt gaccctcaac aaggttgcc ctcacagggt 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>
 <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> (392)..(392)
 <223> n is a, c, g, or t

<400> 3956
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 tgggggagat cagaagtatg gttaccacct cgatggccac tgtgaatagc agctctgccca 120
 cttcatatgc ttggcctgac atcctgtcct agctgtgtgt catagtcagt gaggaccacc 180
 atccttgctt ntacaaggcc caaagctctg cttgcccacc tgagcggcat gncggttcac 240
 acagcctgcc tgccacgnnt gttctctgga tctttgtgag tgctgggacc agagatgtgt 300
 gtcgtcacag ctggtttatg tagcaacact agaagtgaat ccacancctg cncatgctag 360
 tcatacgtn taccatgaac ctgtgtgcct anccctaagc 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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 aaggggggcat catatgcgcc ttacagatgg ttgtgagcta ccatgtgggt gctaggaatt 120
 gaactcagga cctctggaaa ggcagtcagt gctcttagcc aatgagccat ctctctagcc 180
 tgtntgctat ggtcttttct ctctgtgcac atgttaacta tcncagtaag agatcaatca 240
 taatttttaa cttactaatt tacttatttc tgtacctttg ctaaccncca ggcaactaaa 300
 aatgaggaaa gaaaaattga ggacaggggg ccttagtata tcttgtttca accatgtntg 360
 atatattata gttttttttt 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 ttaaattggt aagcacatgt attataaggt agttactatt 180
 gaatggttaa tttttcactt ctactaatta aaatactttc agttaattat ttaaattagc 240
 atagggatta aaagctgttc agtatttttt attgtattgg tgttacttaa tattttttaa 300
 attaaataaa tattttatga gagtttcacc tgcataggtc agaagagggt atcaagaccc 360
 cctggaactg aagttacagg cagttgtgag ctattgtgta ggtgctggga attgaatatg 420
 gctcagtggt taagagcact tgaagacctt ccttgaagggt cctgag 466

<210> 3959
 <211> 461
 <212> DNA

<213> Mus musculus

<400> 3959

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ggaagctagc tgtgtagacc atgctggctt caaattcaga gtgatttgcc tccctctgtc      60
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 cagtcataatt gttcttgtct      300
tttcattggc tacaaattta actttgagct gtatttgtgt cataaggaac ttgttggccc      360
acctttgctt ggctgtaaaa ctctctgtgt tttagataa acttaactcc ttttgggtgt      420
ttaataattg gaatgcagca tccttgagtc tatgtagtat a                          461

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<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

<220>

<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

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<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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tgctaagatc aaaggtatgc tctaccacac ctggcttcaa tgttcagttt tttttttaa 60
acgtgtatta gtgttttgcc tgaatagtgt gtctgtgtga ggggtgtcggc ccctggaact 120
ggagttacag gcacttgtga gctgccacat ggatactggg aattgaaccc cagtcctctg 180
aaagagncag ccagtgttct taaccntaa gccatttctn tagacctcaa tgncaattt 240
ttaaaaaata cttagttttg tncittcaga attttataca taggtataac gtatactttt 300
attgccctaa gctttggttt tactttgagt agggtttttg ttttgttttg ggtttttttt 360
tttttgcttg ttttttggtt atttgaggta gcatctcatg tagtttaggc tagcctcaaa 420
ttccctatgt agtcctagat tgccttaaac tcttgatctt tctgcctcca tct 473

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<210> 3961
<211> 495
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

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<400> 3961
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tagaancagg ttataaacag aatacccact cttcctaaaa actggatacn caatattcat 120
tattgacaca acttaattga tgtaaact cttaggaagca aacattgatt tttctcagga 180
attaattgga aatgatcaat tactctatca gaatagtggc accacctcat taatcagacg 240
cncattgtcc tggtaggcta aggatgccct tttgacttag gaatatgcta gccctaaggg 300
aaagagctga aatcattaca gtgatggccg tctccagctg tctctgggag cgtcattggt 360
cttaatactg aggttggggg ttgacttaaa aggagctcac catgtctgaa agtcctattg 420

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tggtctctatc 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
 ccctgcctg tgctgagtga aaaggacacc tccagaagcc acaccatggt cctcagcctt 120
 gccccgtaca cctcagcact ctgcccaagc tctgctcact agtaaaaaac catgctgacc 180
 aaagatgact ttttgtgggc aggccctggt acagaactgg tgttttctgc accaaaagtc 240
 ttggtttcttc atggttgaaa aggcgccttt tggacctcac cactattttc tgaaagtgcc 300
 tctccccac tctggctgga aaagtgttct tntgaagtcc ccaccacaac cagactaggt 360
 gaaaagcaag ggtcactgaa aaacttcact taactgcaaa actttaagaa cactttctcaa 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
 cacgcagggg tgttgacctg gaagcaattc aggaagtggg tgggtgttggc tgtcagttcc 180
 ggtgcatcag tgcactgcag ttgcattcat ttgctgcttg ccagtcgtct ctttcggatt 240
 tgggcatttg gagctgggtg 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
 acttttaggtt attttctttg tttgagacag gatgtctctg tgttttctct ttgctgtctt 180
 gaaactcact ctgaagacca ggctgacctt gaactcagag atctgcctgc ctctgcctcc 240
 caagggctgg gactaagcgt gtgccccaca ataccagct ctaggttatt gtattaagag 300
 gaaatgctga atatatattga attatagtat gattatataa tttagattcc tgtatagtta 360
 aaaataagaa tgccaatgga attagttttt aaatgtcatt ccaaaaaaga aggaagtagt 420
 ataatttagt agagaatata gaaaaattaa aaataagaac tgtaggggat ggtgactcct 480
 acctgtaatt ccagcatcca gaaggat 507

<210> 3965
 <211> 463
 <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> (152)..(152)
 <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> (165)..(165)
 <223> n is a, c, g, or t

<400> 3965
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 tttaactttg atgacaagtc cccaactctc tctttggctt tttagcgcta agaaaatctg 120

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gctgaaccca aggtcacaga tgtttgctcc tncctgngcc cccncgccc gagacagggt      180
ttttctgtgt agctctgtct gtcctagaac tcactttgta gaccaggctg gcgtcgaact      240
cacaaagatc cacctgcctc tgcccctcga gtgatgggat taaagcgggtg caccaccata      300
tcagctacag aaagcctgct ttttctgttt cctcgaaaga gtcttatagc ttcaagccag      360
aagtgatggc atgtggctct attcctactc agcagtcaga aacctgagct ctatacatTT      420
gagaacaacc tgggtctatat cctgggtctgt atggtgactt cca                        463

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<210> 3966
<211> 473
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

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<220>
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<222> (205)..(205)
<223> n is a, c, g, or t

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<220>
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<222> (217)..(217)
<223> n is a, c, g, or t

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<220>
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<222> (256)..(256)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

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<400> 3966
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ngccagtttg catgagaagc agtcccagag atatggggga atcttcagaa aggacagtca      120
acgtttgtacc caacattgca cttcctcctg taggcctggc tccttccttt ctgccttctg      180
caggtcccag acaacacagt cagcnttaga tcatagncca gaggtcagga aatgtgccca      240

```



```

gatggggtttg ggtgantgag agcccaggat gtggcaatag agagctccct tcacctgggc      300
atggccctgg tctctctcan cctgctctct gcccttattg tgccagaagg aggcaggtgg      360
cagcagagat tacctctggt cctgcctggg acatgaactg tgatgggcga gtcaggtcca      420
ggcccctcag taggcaatgc cctccagctg gtgtggtaga ggttcactgc ccc              473

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<210> 3967
<211> 397
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
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<222> (42)..(42)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
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<222> (73)..(73)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (191)..(191)
<223> n is a, c, g, or t

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<400> 3967
taaatcttat cctcataccc acagatngat atngctacct cntctcctca aagaagtttc      60
tctttngagc aantgaagac cattacagaa aaccatcact ggaccacccc aatacacaga      120
tcatggggag tcaagtccag tggatatatc catatctaag gtcttgcctc tgcagnttca      180

```

```

gggtgggcat nacaactgaa ggaaccagaa taccacgatg cttgtgaatc agtctctcac 240
agaaatggat gcataatcaa gatctgaaca atagcaatat caatagacat actagctaga 300
aaagggggga gtcttatggg atcacattcc ttaataaggc actacagcta actgacaact 360
gctgagaatg ggagagtcag tctctctcag agatgaa 397

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<210> 3968
<211> 546
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

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<400> 3968
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ccataagatt cctggagctt tgtccagtat ttctctgtga gtttttagcat 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 gggtgggtgtt gtatccctta tccctctact 360
tgtggtcctg cttgataata ggagggttaga aggggggaca tctgaaagat ccataagaga 420
tggaacaga gttggcaggg atgttttagct gaagagttgt ggatgaaact agaccatttg 480
atttataatt aagttataat tnatttgtct ttcattattc tggcaattgt tatgtgatta 540
ctctaa 546

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<210> 3969
<211> 421
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (59)..(59)

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<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> (181)..(181)

<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> (214)..(214)

<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> (270)..(270)

<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> (373)..(373)

<223> n is a, c, g, or t

<400> 3969

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cggcacgggtt gtcttttaggc acacttgtgt gatccgtgac catctcagcc tggctctgtc 120

atgacgtgtt gacttttccc ttgaccacc ccatgcctcc gtgcgtagag ggacaagntg 180

ntccggaggc actccgcntg cgtcgtgcgt agtnccgagg aggaagagag ntgcccgtca 240

gccaggcgac accggatcac tgtggatttn tccctcctca cagtcccacc tctgccagag 300

gaaactttgc atgttgacc cgtgtttcttc cgcgaagaag tactgagttc tctgatcncc 360

tcttgactca gtntgagggc ttcctagttg gccccctagcc ttttaccact aatgactcct 420

a

421

<210> 3970
 <211> 496
 <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> (308)..(308)
 <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> (403)..(403)
 <223> n is a, c, g, or t

<400> 3970
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 tgggtcccccac tgaggcagca tctgaccaca ctccactgct ctgggtccctg tgcaggcagc 120
 acctcgccca gtcccatgt atctagtccc caccaatttt gtccccagtg tcgtagcaac 180
 tcactacatt ccatgatgt gcagcgcctt gtcattgtccc acctacctgg tgggatacat 240
 tgtaccagtc ataatcaaag gaatggacgt tcttgatctg agaaaatgac aagatgaaca 300
 ngttgtanca ggcccgagag gcgtagagca agatgacggg gacaccaatg gcagttacct 360
 gacacantga tgagccctgg aagacaaagc caacaggaat ggnccattgc tgatgtacct 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 tgcttggtcc cagcactgca gaacctctgc 120
 ctaagatcag ttacaacgtc gtggatggac cgacggaccg tcgcagcttc catggagtct 180
 acgtgggtcga gtatgggttc ccgttgtgag tatgctgaac ctacagctagc atcagcaatg 240
 gggcgcattt ctctctgaga gagctgactt ctctttcttg caaaagcaaa cgagaaaagg 300
 aaactcggtg tgtgctgttc cctcagagtc tgcttgctca gagcctttcc ctggaaggtc 360
 cctggatcca ccacagcagt gtcccaagta catgggtctg ttggaacctg ggggcttcaa 420
 cttatgggtcg 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 ggggtggctat ttgctgtcta gggctgccca 300
 cttctgtgag tgctcaggca gctagctgta agggcgtgca gcctgccccca agggaaaagg 360
 acagttggtg cagcctgttc tggcaccatc ctggtagagg ctctgccctc ctgtccctgc 420
 cctcaagaaa ttcacagct cccagagac tgtaaggcat tatctcactc agccctctgg 480
 ctccaagtag gaatt 495

<210> 3973
 <211> 486
 <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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 <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> (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

<220>
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 <222> (102)..(102)
 <223> n is a, c, g, or t

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 <222> (132)..(132)
 <223> n is a, c, g, or t

<220>
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 <222> (148)..(148)
 <223> n is a, c, g, or t

<400> 3973
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gtnggcagcn ggcagagggg gagacnggna ctgatanggg cntgtgaaat ctcatacccc 120
acccttggtg gncacacttc ctccaacnag gtcacattta cttcaagagg ctacacctcc 180
taatcattta aatcctttta acaatttcac tccctggtga cttaatattg aaatctgagc 240
ctctggaggg cattctcatt caacctacca cgcccacctt tcttttatct ccaccagaga 300
atgtaaaaca tgttttgatt tgtgaatttc ttcattctgt tataaaactt tcattaactg 360
cttcctgggt agatcactgg atttgaagta acccatgttc ttgctccaa caccatgttc 420
attagtaata catggcttga gaactattta ttatttccat ttaggtaaag gcatccctgg 480
gcctaa 486

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<210> 3974
<211> 503
<212> DNA
<213> Mus musculus

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<400> 3974
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gacagttccc aaacctgtat cagaacaaga ctgattctgg ttgtttccca acaggggcag 120
gtagtacctc catcaggaca gtcccatggg cagtgtagtt ctgttatcac tgatgttggt 180
aatttaattt ttttgcatgt cctattaaat tatttattgg gtgtggtgag gcacatgctc 240
tatagtgtat gggtagaggt caggggcaac ccaaggaggt tgtttctctc cttttgggga 300
ttgaactcag atgatcaaac ttgacagcaa gaacctttcc ctgggggtag gagagatggc 360
tcagctgtta agagcactgg ctgctcttcc agaagtccgg agttcaattc ccagcaatca 420
catggtgact cataaccatc tataatggga tctgatgccc cttctgaca tgcaggtata 480
catgcagatg tacttgata cct 503

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<210> 3975
<211> 470
<212> DNA
<213> Mus musculus

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<220>
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<222> (46)..(46)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (48)..(48)

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<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> (76)..(76)

<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> (394)..(394)

<223> n is a, c, g, or t

<400> 3975

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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

gcttttacca taagatggcc tccttttaat taatagcaga agcaatccca ggaggtggtt	60
cactacctca tctctgtatc taccctccac ctaagggtgta tgtgccatgt cttctacttt	120
ctcttccttt ctttaaggatg ctttatactt gttctttact aagcccaatg tcttcacttg	180
tctcaactat tctcaagaat ttcataaatt gtaactgtta ttttaaatat atgactcttg	240
cttgctgtca gtgtaatgcc tata	264

<210> 3977
 <211> 329
 <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> (39)..(39)
 <223> n is a, c, g, or t

<220>
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 <222> (42)..(42)
 <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>
 <221> misc_feature
 <222> (103)..(103)
 <223> n is a, c, g, or t

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 tgggcaaagc ttagagntga taatgtttaca aaacattttct tttagctacc cacagaagct 120
 agaaagggtat tctgtcctgg tgttcctatg caccacaggc catttggtga tatgaatacc 180
 ctctaaaagg ctctttgacc cacattaaat tgggctcagg ggtgcatgaa ggtgaggaat 240
 agcctactgg aagattttcca aggtttgctc tctgtcttac agtctcccag ccaggtatat 300
 agcagccatt tggaaaagct cctgaaaaa 329

<210> 3978
 <211> 493
 <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> (122)..(122)
 <223> n is a, c, g, or t

<400> 3978
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 gcactacttg tatcagttct tcccggaagc tgccaggaat taagagcata atctctgtgt 120
 gnntagtcag ctttgactg ctataacaga ataccacaga ccagagcatc tattaataaaa 180
 atagaactgt actccctcac agttctagca actgggaaat ccaagatcaa gaggctggcc 240
 aagggcaagg gccttctgct gcatcttcca tgactgaaaa gagcaagaga ggatgagagg 300
 atgatgaggt aggaaagaaa gcagacagag ggaagggaga gagaggaggg aggaagtga 360
 gctttctgaa gagaaacgcc tcctaacact gttatagtgg gattgagtct ccagtatgtt 420
 tcttaaggat ccaactcaaaa 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
 cgcttgcgcc gctcaatctc actgtgggtc 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 tgccctcttc tctaaatatg tataggctct tccggaatta cacacatacc 420
 tatggacttt tgaccagg 438

<210> 3980
 <211> 447
 <212> DNA
 <213> Mus musculus

<400> 3980
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 tgtaaaaaac aacagcgctc accaatacaa aaaacaatga aacaaagtaa ataacgacca 120

gagaaatacc atcaaggtag cctctgctat aggcgaagcg gaatattccg tatacaaagt 180
 gatgaatcag atagagcgag taggatgaat caccaatcaa ggtaaacaac ttgatatttc 240
 gcacctttcc aattgtatcc ataccggcaa gagcgaacac caggatcgcc gcagggatac 300
 cggcacaaat aaccgggccg aacttttcat agtaaccaag cataacgatg aacatcacta 360
 tggcgatcaa taccagtact gaatgcgcga acatgccaaag gttgatTTTT ttttgcgtat 420
 acaaatgcgc aatcaatact cccacga 447

<210> 3981
 <211> 406
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (102)..(102)
 <223> n is a, c, g, or t

<220>
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 <222> (105)..(105)
 <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>
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 <222> (110)..(110)
 <223> n is a, c, g, or t

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 <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

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 aaaacaaagg ttaaattgtaa attagcatcc aacatttttt tncngntgn tanttagggt 120
 tttcngtaaa gttttatttt catgagagca tatgaattaa tgtgttttaa aataaaatat 180
 gtttaatcaa agactgacaa catacaaaaa taaattgcct tggaaagaat cctataacat 240

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ctccagcagc atctgaggtt aaagcatacg ttgctctcca ccacagtttt aattatgtca    300
ttatttagtt tggaatatct tttccttagg acgcttactt gctcaggttt agtagctatt    360
tgtaaagcag gtctgtagac agcgttttct ctgatggctg aagttt                    406

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<210> 3982
<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> (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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<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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accagtgtat ttcagtgtctg tcgaggnacn gnactatgta ttctaattgtc gattccactc   120
ccttnaacia atgaccaagt ctagncaattt attgaagnca gtgctgtttgt acgtattgat   180
agctgtatgg ccattttttcc tttatgccat gctgtcctgt ttgtccttgc ccacatgagg   240
tgttttccctt ctctctggca tgcataagag ctgttcttca gagtgcgaagg atgtctgccg   300
gtgattagcc ctgtgcctag atctcctccc aaaggccatc aatcattgcc attatgtgtg   360

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gggcagatgg gtaattcagg agcaacctgt gtcctcagcc acttggctgc tggctgggtg 420
tttaattatg tctctgcaaa catcagagca agcactgggt gataagctca gttcattaag 480
gaccggggtt 489

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<210> 3983
<211> 387
<212> DNA
<213> Mus musculus

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<220>
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<222> (27)..(27)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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<400> 3983
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gagcccaggg catgtgctgt aagagcagtg gctgcatgta gcttctggag tggtaagtc 120
cacacatgtg tgcaaattat ttcaccaggg ttaacttnat gttaaccctt agtgtactgg 180
atgatggaaa gggcttcggg aacatttgac ctcnntttta aaggagttac cattggcttn 240
tttctggaag gattaaccaa agccacgagc agacaaagca accccttatt cctaacaaga 300
ttttcactct gacttctgat ctcaaaaatg ccaccctcac tgcccatgcc tctcctgtcc 360
cttctctcta cccttggtat cattcaa 387

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<210> 3984
<211> 504
<212> DNA
<213> Mus musculus

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<220>
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<222> (30)..(30)
 <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> (129)..(129)
 <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> (163)..(163)
 <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>
 <221> misc_feature
 <222> (230)..(230)
 <223> n is a, c, g, or t

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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 tagactatct catttaagaa gtatatgtga ttaaaatgat 420
 ggctattcat aattactacc agagggaaca gtttctgtct aaaagtatct cctgaactaa 480
 atcaacctgt gtttatcagc agtg 504

<210> 3985
 <211> 449
 <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> (47)..(47)
<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>
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<222> (75)..(75)
<223> n is a, c, g, or t

<220>
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<222> (79)..(79)
<223> n is a, c, g, or t

<220>
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<222> (81)..(81)
<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> (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> (155)..(155)
<223> n is a, c, g, or t

<220>
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 <222> (203)..(203)
 <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> (244)..(244)
 <223> n is a, c, g, or t

<220>
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 <222> (253)..(253)
 <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> (385)..(385)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n is a, c, g, or t

<400> 3985
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 aatttngnca tcaangccng nattcctaca gaccgggnat canggggnatc ctgtggtggg 120
 tgcacagtgg ggggtgctta tgttctggtc tgtgntaaat tctaatttct ctacaacctt 180
 tgcgacttta tctcaaaact atnaagggat tttttaaaan cagattagtg ttggcatcag 240
 taancaaatt aancatcttt aaaatagctt cattgggtttt cagaattggc ccagctgcaa 300
 tcaaacccca tgcgtacagc tgatggagca gatggatgac cncagtgggt ctgtggcgtc 360
 cacctgctcc tgcctcagcc ccggnctggt gtattctgct gcntgaatcc agtccatttc 420
 tgggtgaacat gcaaaatgtc cggcctggg 449

<210> 3986
 <211> 382
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (181)..(181)
 <223> n is a, c, g, or t

<400> 3986
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 acctacaatg tccttcaagt tctgaaacaa acttttagttc caacgtttgc ttttaagtata 120
 tgcggggata gagcctagag gattgggtctt tggctcttta gatttgagca ggaactcttg 180
 ntttatgctt atcagtactc atgtcatttg atgtacttgt gccatctctc ttgggccttc 240
 atccctccac cttgggttttg aagtcttttt cacatgtact ggccttaatc gtattttcgt 300
 tcttctttga atatgtcttt cctccccctt atctctgaag tctcccttta gctacaatga 360
 taagtatatg cctacagtgc ca 382

<210> 3987
 <211> 433
 <212> DNA
 <213> Mus musculus

<400> 3987
 ctttgcattt tgtcccaatg gatcaaaggg aaattacata acagtgctgc tattttggaa 60
 tggtcacttg ctactttgtg cagaatgatt tagaagcatc taaaggaatc cagctagaaa 120
 acaagacagt agtccataga tagtggttgaa gttggaagaa ggggtggtag attcagaaat 180
 tctgcagaga agactgactg caggacagaa gggggtggct gtgagaacaa gagcagaggg 240
 gtcacacagca ctgaggttcc ggggtctcaga cagctgaaca gatgtcagca tctgtccttg 300
 ttaattatat tgaaggccac attcttgcag ttgggtgcat tcttaacgaa tgccaagtac 360
 tgctgtggta gtataggagc aaacagactg cgcagagtct ctgtcctcac tgagcctgct 420
 ctcggtgaaa gac 433

<210> 3988
 <211> 329
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<400> 3988
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gacaggggtcc ctactggcc caagcctcac ctgttcagct agactgggtga gccagtgagt 120
cccaggggtct gtctctgcct ctctagccct gggattacag gcctagtacc aaagctttgc 180
ttttctatct gagttctgtc tgggagatca cactcagatc ctgcacattt tgtagacctg 240
ctcttgtgag gcagaggcag gcagaccgct gtgagttcaa tgccagcctg gtctacaaag 300
tgaattccag gctaatacaga gttaccag 329

<210> 3989
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (260)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<400> 3989
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gcttgggggaa ggggaattgt gatcaggaca tgtttcatgg aaaaaagttt tatttaaaca 120
aaacaaaaca gcagggcagt ggtggtgcac gcctttaatc ccagcactcg ggaggcagag 180
gcaggtgaat ttctgaattc gaggccagcc tgggtctacga agtgagttcc aggacagcca 240
gggctacaca gagaaacccn ntgccnccaa aaaacaaaaa aaacaaaaca aaacaaaaaa 300
cccaatcatt gggcctttga gatggctcag caggtacatg attgttttac agtcttgagt 360
tgaaacgcat gaccacatt gtagaagtaa caaaccaact cctgaaagtg ggccatggca 420
cagctacctg tatatataca tactaaacag agatcaagca gggcatggtg cctgagacct 480
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<212> DNA
<213> Mus musculus

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tcagtgtcccc acactcaacc acacgtgccg cgggatgctg tgccaagcaa gccctgcctg      120
gctcccacca gctcccttga gccagtgcag agatggcaga agtgacacag aggggaaggtc      180
tgaggtttct gtgctgagca ggctctctgc actccagcta acagacatgt atgacatctt      240
tccaaactca ggtcacaaat gtgcactcac gctcctctca caaaggcact ggagttctga      300
ctttc                                          305

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<210> 3991
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 <223> n is a, c, g, or t

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 atgcagagaa tatccttcta ggtgaagata agttatgcac ctgcccctcc tacaaccaag 180
 aaagaagcac aacgtttagt gggctctattt ggattctgga gacaacacat ccctcacttg 240
 ggtgtgttac ttaagcctat ttaccaagtg actcggaag ctgctagctt tgtgtggggc 300
 ctggaacagg agaannccct tcaacagntc caggctnntn tncaggntgn tntaccactt 360
 ggaccatatg acccagcaga cccgatggta cttgaggtat gctcnagtgc atgatcgatg 420
 tacacagtgg aacttcatca gggctgaata atcccaaata caggtgaaca ctat 474

<210> 3992
 <211> 320
 <212> DNA
 <213> Mus musculus

<400> 3992
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ccgaggggctg ggggtctgtgg cttctcacag ccagacaccc accgggggctt cgtggaaagt 180
gttttgcaagt cctccgtttg cctgcccaga gcacaggaac tctgacggga ggcggggttt 240
ctcccaaacc ctttattctc ccacacctgt tgctgactg gtcttaaaag agaaagtgag 300
taaattctacc aaagaaatct 320

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<210> 3993
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<212> DNA
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<400> 3993
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ggctgccatt ttgtcctatt gacagtatct tttgccttac agaagcttta cagttacatg 180
agggtcccatt tatcaattgg tgatcctagt gactgagtca ttagtgttct gttaaggaaa 240
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<213> Mus musculus

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ctcactatgt agttgaggat gagaattcct gcctgctggt tatactgcca cttccaaata 180
ctgggattat agacatgtgc cactacgctc tgtttataaa a 221

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<210> 3995
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 <223> n is a, c, g, or t

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acagacagac tctaataaan gagacatcct tcngccttct gtccangttc ctttcnaact 180
ataaaactna gagaaataca tagtgctnaa gagtcataat cctagtgaat tactattctn 240
actttaanct cacaaacttt cattatitita tcaagtttga ttttttaatt atgcaattgc 300
tttacatact tgttttttaa catcaaagtg ataggtttca taatcaaatt atcctacana 360
cttgctttta aaatatccat actaatattc aagtcctttt tattctaaca agaagttaaa 420
caacatatta agagtcttta aaaaaaatg acaggactgg ggtaaaccctc agtggttaaag 480
tacaggccta gcgt 494

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<210> 3996
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<213> Mus musculus

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<223> n is a, c, g, or t

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tttagagtat cgacacaatg aagtctgata ttgcacctaa gttccatatc acatgacctc 180
agtaggggttc tctcaaatac ccatttcctg cttttactct caatgaaaag aaacagtttc 240
cactggaaga aacataggcc aggccttngg agtctagggt agtaatagca tttggggggt 300
gtaactatgt ggccactcag ggtctccagt gaccagnan gaagtacaag caagatgttg 360
ctcttcagga gtcatatgat gactgtcttg gttgtcaact tgactacatc tggaataaac 420

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462

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 tntggtnaag tcacttccn tatctgcctt ttattgttcc cattggtaaa gtccccttta 180
 agcccattgg cnnctttgca tgttgatgtt catctggagc ggaggggtctt actggctccc 240
 ggtaaatacca ttgtacagag tagaggggaa agacgggaaa aggcttatgc ctactcctcc 300
 tgagcccctt accctacctg gtcttggcag agcatctgaa gagcaaggtc tctcccatcc 360
 tctgatcctc cttgcaaacc cccccccccc ctgttttcaa ttcctttcct cgtgatcctg 420
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<210> 3998
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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> (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> (182)..(182)
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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
 <211> 258
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aatatcttct ntggacatag tgtccctcaa atcagaaaaa tgtctcattt gcaaagctta 120
 aagaaacttg catttatgaa catggtaata cctgggatac atatacatct atctatatgc 180
 actcacacac acacacacac acacacacac acacacacac annngccaa agacaataaa 240
 tacatagtcc tgacaaac 258

<210> 4000
 <211> 443
 <212> DNA
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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> (319)..(319)

<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> (338)..(338)

<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> (389)..(389)

<223> n is a, c, g, or t

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aaactgctca ggctgtgtct taagatgatg taccgccncc ccccttcctt ctggcctcta 120

tactcccctg gaaggttttg aggaagtgtc attttgagaa ctttgctgag atggtcgctc 180

tgccctccgc tgcttccttt tcttgggcaa cgcaaagttc ctggtttgta gatttctagt 240

tggatgtgat ttaatacccg gaggtgaaca agtccagcct gtttcatgtc tgtggccttg 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

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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> (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 cttctctctc ctcctcccca 300
 ctttctcttt gtcctcctcc tcctcctcct cctcctcctc ttctcctcctg ctagtctgat 360
 agtactccta ctcctatatt 379

<210> 4002
 <211> 462
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> 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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 <222> (413)..(413)
 <223> n is a, c, g, or t

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 gaaggcaagt ctgggagttc ccccaaaggg taagagactc tcaaagttaa ccctattctt 120
 ttctctctcg tagaaagtct gctgacctct gcccagaga aagtacatat gtatgtctta 180
 gaactgtttc tccaagacat tatcaaatg ccccaatttt atttgaattc cagtgtattg 240
 gtttttanct gaagtacnat gaaaatcgat aggncaaagt acttattttt acaaatgcca 300
 tccttagact caatattttc tttnttctt gaaacctaat ggagtgagtt taatctggat 360
 aattttaaac catggtantc tctatcaatn tggnatatac atcatatnat acnctgggtg 420
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<210> 4003
 <211> 426
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<400> 4003

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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
gtaaagggtgt ggctatataa tgctttgctt aagaatacat ttagtaatcc attccatctg	420
tttcct	426

<210> 4004

<211> 268

<212> DNA

<213> Mus musculus

<400> 4004

ccacctctaa gtgagtacat acagtgtgca tccttttggc actgggttacc tcactaagga	60
atatgtcttc aagttcccta catttgacctg caaatttcac gtctgttttt aatagctgaa	120
tagtattcca ttgtgtatat gcaccgggtt ctttatccat tcttcagttt atggacatct	180
agtttgtttc tagtttctgg ctattacaag taaatctttt ctaaacaatag ataactgttt	240
ttgtggcacg aagtgtctct tgggtata	268

<210> 4005

<211> 464

<212> DNA

<213> Mus musculus

<400> 4005

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gggctccagt tcattctctg aggcaagctg aaaatttgca tttgtaatga gatccttagc	180
gatgctgctt gcctggggac cgcaatttga aagctacacc cttgtcctta aagaccttcc	240
ttctctctgg cctgggtgcc cacctgggtg aagagctgag ctgtttcctt catcttcagc	300
tccaagaga aagccacagc ccattctcgg ggcacacac ctgtcttctt gaagggcaaa	360
gactaggacc catgtgagca agcacagagc tacagggagg cccttggtgt gatgtgctct	420
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<210> 4006
 <211> 85
 <212> DNA
 <213> Mus musculus

<400> 4006
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 atcccgggat atcccaacac tggga 85

<210> 4007
 <211> 272
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 <223> n is a, c, g, or t

<220>
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 <222> (246)..(246)
 <223> n is a, c, g, or t

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 aaaatattag cggggctatg 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

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 <223> n is a, c, g, or t

<400> 4008
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 attgactgac acacagacat tcattctctc tcttaaaata attgtcaaaa tatattaaaa 120


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atctcttttag gatcaagaaa ataaggcncc ggcaaagaat taaggagagg caaggaattg 180
atctccactc tgtggaaaag ttagtttgcc aaaactctcc ctttgtaaag agctcttttg 240
tggctcccat gctggctcag caggtaaagg tccttggcgc caagcctgaa gaccagagtt 300
caattcctgg gagccacaga gtggacacag acaacctcct 340

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<210> 4009
<211> 316
<212> DNA
<213> Mus musculus

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<220>
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<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
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<222> (48)..(48)
<223> n is a, c, g, or t

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<400> 4009
ttttttctgt accacaactt tatagtataa ctnaaacctt aaatattnaa aagatattgc 60
ctctgaatct tttctggagc aacagctact ccacagaact ttaaagctca ttgtgtgaga 120
gcaaagatth gaaataaact tcccttgaga ggcattagct aataaaatac ttccacttag 180
gaaacaatat aactgaaag attcaaactc ttagcttctt gtattgaagc agagacaata 240
aaatthttct tacataatgt aaagctatat tagccatacc tagaggcaaa atthttccagt 300
gattaccagt tcacta 316

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<210> 4010
<211> 422
<212> DNA
<213> Mus musculus

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<220>
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<222> (397)..(397)
<223> n is a, c, g, or t

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<400> 4010
tcagcagttg gttctggtat atggtaaaga aagccttaat tagaaagttt taaaatgggt 60
aaaatthtat cattgaagat ttataaaaaa tcaggcatta gatgttaaat aataatthaa 120
catatgggggt tggagagtta gcacggcggt taagagcaat gaccatagag atthattaac 180

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ctgctcttgg aaatatgcca ctagccttgg atgtctgccc tactgaatac atccttttcg      240
aattgttata atttgatgat ttatactaata atgatatatta cctgttctgc ttgtgattca      300
ctgaatacat agtttcagag ttgtaatat ttgatgattt ttgtgcttta ctctgccaaa      360
tgatttttgt tggatattgt gattgttttg ctggatncag tttttaagag ttgtaatgtt      420
tg                                                                           422

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<210> 4011
<211> 348
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

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<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<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 ttaaaggtag ccnttaatta aaatcaagaa      300
acnaaacnca taagtgctaa gatactgcaa gccctattgt tgactaaa      348

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<210> 4012
<211> 337
<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> (57)..(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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 <222> (74)..(74)
 <223> n is a, c, g, or t

<220>
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 <222> (125)..(125)
 <223> n is a, c, g, or t

<220>
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 <222> (132)..(132)
 <223> n is a, c, g, or t

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 nnnnnnca catnagatgt ctaataaaca ataagctttc tctctcatag ccttggagat 120
 taggnaattc anggtcaaga tgtcagtaga tttggtgttt catgagtcga ctttctagtt 180
 tacagatagc tttctgtctc atattcttcc ttggtagaaa gtgcacagga gctttctgtg 240
 gtcccttttc taaaagcagt gacctcattc ttgaagggtca cgtgcttatg acctcatcaa 300
 catgctctcc ccattctctt gggcactagg atctaaa 337

<210> 4013
 <211> 368
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (79)..(79)
 <223> n is a, c, g, or t

<400> 4013
 ggctgtgctt tgtagttggc gattcagtc cctagcacat gctgtgtgat aaagtatgcc 60

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agtgtcatgg accctgcang gtgacagagg gacatcaccc tcctgagcct gcttcactgc 120
ataggccaga aggtgggggc gaggcctgtt ctttccttcc ttctgcagcc tacttatttc 180
aacatggctc actgccaagc tatgggcact aagattaggt aggactttag gtggggttggg 240
ggacaggttc tgcctggtct ggcagagggg ggccacctta ttaactcact aactgtgccc 300
taagaatttg atgtcatgaa tgctgagata cctgtgacct tcctgttccc ctctaaccaa 360
agccatta 368

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<210> 4014
<211> 379
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<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (241)..(241)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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caaatgtcct atataagccc tgcctcatgg attctgattt tgtttgtctg gtgtgggaat 120
caagtacatt attccttagt agcatgctaa gttgactgta atatgcagct tgggctacaa 180
atccttgctc tgcattgaga aattcactnc cttcacacct tagagganta tgattttgtg 240
nccataaggc tgtagctgag tntcaattct aaccacagag aaggnccttt tgttaccacc 300
tcagtagagg tgaagggatg aggcagcttg ggtgactcaa aacctgtgag ggacagctcc 360

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caggttgatca tctgtatga

379

<210> 4015
 <211> 169
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (103)..(103)
 <223> n is a, c, g, or t

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 gaggggtgctg ttcccagctt ttcttgatag gcctagtaca atnttgggaa cagggtttct 120
 gtgtggtgaa ggtttgccag tagcttttag tcttgcctat cttagggag 169

<210> 4016
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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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 <223> n is a, c, g, or t

<220>
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 <222> (229)..(229)
 <223> n is a, c, g, or t

<400> 4016
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 tctgtctcct gtggggctat gccagtgcct ggctaataca gaagtagatg atncagtc 120
 tctattgaat ggaacacaga gtccccaatg aaggagttag agaaagtacc caaggagctg 180
 aaggggtctg caaccttata ggaggancan caatatgaac taaacagtnc tcccccccc 240

ccaagagctc atgtctctag ctgcatatat agcagaggat ggcctagtag gccatcaatg 300
 ggaggagaag cccttgggtct tgccaagatt atatgctcca gtatagggga atgccagggc 360
 caagaagagg gagtgagtg gttgagaagc 390

<210> 4017
 <211> 414
 <212> DNA
 <213> Mus musculus

<220>
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 <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 tgaattttta 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>
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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

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 <223> n is a, c, g, or t

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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> (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

<220>
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 <222> (150)..(150)
 <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>
 <221> misc_feature
 <222> (239)..(239)
 <223> n is a, c, g, or t

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 aaagcangaa agatatcagg aagnccaanc anancangta acatgaattg ctgctctgtt 120
 atataagaac tcctatgaaa ctgactgagn cataaaaaaca tttttaaaaa tatatagcat 180
 gtaaaantag ccagaatttc aactatgcat agacaatcaa tattcttgga taccaaaaanc 240
 atcaagactt atcatgacat catttcaa at gatatacata gaaaatcaaa ttacggtttg 300
 gttaatgcaa tccaaactga cttgtaaaga aagaaagctg ccttagctgc tcagaggaca 360
 aagaatcatc ttttagctaaa atgtgcacct gcagattcca tgcattgtgt 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

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 tnaaggggttt cgaggtaggc tgcctgcac ctaatgagat gtattacttc tcagtcatga 120
 gctgggtgac tcatgaccct cccatgcctc agtttcttca tccacataac aggaatccga 180
 gtagtagagt agcctttagt agtgtttagga ctaattttac aatcctgggg tcagggcctg 240
 aagcccagtt aagcactctg agtttggttaa 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 cagggtgtcag aaaggcgtgg atgtgaggg 120
 gaggagctgg ttgtgattta gtctgagaat gctcaccct gcagacaagg gagaaaggta 180
 tggatgagcc ctgcctgctg atagatgcat gttcttcagg cagcttggag gtgaagctaa 240
 gtcagttagg aaacaacca gacttcactt ttcccaaagg gaatatgaaa cttgcctctt 300
 tagaaagtcc agctgggccc ggc 323

<210> 4021
 <211> 339
 <212> DNA
 <213> Mus musculus

<400> 4021
 tgggtctggc ctgtgcactg gcacaagcct gccaaactgca cacctgcctg atatagcggt 60
 gtgtatcaaa gtgggcagag ggagaggttt cccattcctc ctaggagtct tagagattcc 120
 tgccttactt tgttgtgtag tttgttggt ttttgggggt ttcttggttt ttgtattttt 180
 gttcttggtt ttgtttttta gctttggtgc aatgtgagtg tcaaaagggt ttattttgac 240

atttttaaca agaccaaadc aggcccaaac tgcctccata gaagggtgctg ggggtctttca 300
 gaatgcctcc ttccaatgga taaagacgtg ggcagcccc 339

<210> 4022
 <211> 269
 <212> DNA
 <213> Mus musculus

<400> 4022
 aaaagtcagc ttgactccca cttgatttgt ctaaaacatt tctgctaaca gttagtttca 60
 tctaggaatc attggatgtc tcaaggaggt ttccatagaa atacaatggg ttggaaaaaa 120
 aatctgtatt gtgtaaaadc agtgatttct ccaaaatcca aaagataagt aaaaatgttt 180
 gggattttta ccattgaggc tactcaatga ggaaagagtg aaaaggccac gggtttcagt 240
 gcattgctcc tttatctctt ttccagagt 269

<210> 4023
 <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> (64)..(64)
 <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> (155)..(155)
 <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> (229)..(229)

<223> n is a, c, g, or t

<400> 4023

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ggtngtgcac agctgtagtc tgagggtga aaggtnaag ctttagaaa gatcatgagt	120
tagagaccag ttctggcaag acccggtctc acagntttta aaaacaaaac tacaggaact	180
ccttcatanc aaagaaatta gcatgaagat gagactgtag tgagcattnt ttatggcacc	240
taatggcagc cagaaggtgt cactcagaga agtcacacct gagcccaggc tgaccccaa	300
cagctttaac tgctcactgt gagcatgcac aagcaggcac acagctctag ccaggagcat	360
ctcaagtggg gacagtgatg ggacagggtt ggatttcttc cctcaactca agagtct	417

<210> 4024

<211> 366

<212> DNA

<213> Mus musculus

<400> 4024

gagagtactg tccatttatt taaaaaattt cagcacacac aaaacagttt ataccaggc	60
atggtggttag gtgtctataa ctctggttg tagcaggaag agtccaagtt gatggtcaag	120
ctgggccacc tggcaggaca ctaacaaca aaattttgct aagtgagggg ctgaagagat	180
agctcaggct aagagtgcac gcagctgctg cagagatcca ggctcagttc tcagcatcca	240
ctcaaggctg ctcaaatca cctggaacct cagctctcgg ggattcagtg gcctcttggt	300
ctccacatgc aaccggactc acatgcacaa acccccacac agatacagat gcataccgct	360
tttata	366

<210> 4025

<211> 421

<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> (102)..(102)

<223> n is a, c, g, or t

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<222> (107)..(107)
 <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> (140)..(140)
 <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> (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>
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 <222> (251)..(251)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (272)..(272)
 <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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 aacagggata gcgccccatc ctaaagtggc ccttccaggn ancctgngta agaccngcat 120
 tgagctagac tgcagcatcn aacagccna gtgtcagttt cagctttcca aatnaagcat 180
 tactgtttat atcatagcca cactcgttac cagtggcatt aaggaatgca agggcccngt 240
 tcaaggggtca ngatgtaatc ttcaaaacag gnacttacca gttacaatcc tgaaatcact 300
 gcactcatgg ctccatcctg ggggtgacngc tgagcatgga gtggaaacct ctacaggagg 360
 gcgtcacacc cctggctctg gtggccaata ctaccacat ttgccttct 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 tgagcccca atcaacctga 240
 taaa 244

<210> 4027
 <211> 338
 <212> DNA
 <213> Mus musculus

<400> 4027
 cgtgctcttt atcactttgc tcagccccac ataataacat cttcatctga gattgccgtg 60
 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 aaggataggg aggaacacat ccacagac 338

<210> 4028
 <211> 381
 <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> (189)..(189)
 <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> (310)..(310)
 <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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 <222> (327)..(327)
 <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> (334)..(334)
 <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 cccaaccct gtgccacaag caattattga aaggcatcgt gggcgctcna 180
 aaacctaanc acggatctaa acacgtgggt aaaatgatga gttcttccga cccagggtca 240
 ggntaaagga agagaaaggt acagagcatg ccagctcacc caagaccgt cctgaatacc 300
 cttaaatacn cctagtgtag atggntntct nccntcctta ctggtttagt ctaanccagt 360
 tcatgtaaaa cccacgaaac a 381

<210> 4029
 <211> 378
 <212> DNA
 <213> Mus musculus

<400> 4029
 ttgggcgggc gccatcttcc attgccgccg cgggtgtgcg gtctcgattc gctgaattgc 60

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ccgtttccat acaggggtctc ttccttcggt cttttgtatt ttgtattggt atgtaaaact   120
cgctttttatt ttaatatattga tgtcagtatt tcaactgctg taaaattata aacttttata   180
cttgggtaag tccccaggg gcgagttcct cgctctggga tgcaggcatg cttctcaccg   240
tgcagagctg cacttggcct cagctggctg tatggaaatg caccctccct cctgccgctc   300
ctctctagaa ctttctagaa cctgggctgt gctgcttttg agcctcagac cccagggcag   360
catctcggtt ctgcgcca   378

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<210> 4030
<211> 412
<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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<220>
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<222> (183)..(183)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (247)..(247)
<223> n is a, c, g, or t

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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> (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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 ctccagcttg tctcttcctt caaagccaaa ggcccctggc tcctnncccc tttgctgctg 180
 cgnggtccgg tacancctcg acctcaccac cctgtttgcac gtggaggaaa naggtggtgt 240
 tagttgnccc tttagtttgt ntgcaacctc agtggttcag cncctcatca caggaggcag 300
 acagggacct gtttgnatc agagctctgt ttttgctttt gtttgagact gtctccacag 360
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<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

<220>
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 <222> (130)..(130)
 <223> n is a, c, g, or t

<220>
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 <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

<220>
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 <222> (214)..(214)
 <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>
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 <222> (286)..(286)
 <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 ntnggtcca 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 tcacttatctt cctccattgc tgagattctg ttccttacat tgtaaaacttg 120
 aagaggaaac caaacctgat aatgtggtcc agtgagcaca cccatgcctg tgaattctac 180
 ctccagcaca accaagcctg atacctcaca caagcaaaaa caagagaagg aagaccagag 240
 gggctttcag aggccacagt ttttccattg ttttctgtgt tttaaaacag atgctgtatc 300
 taaccaaagc tgtgaaagaa atgttctctt tgggtcaagt acatgggtccc cattccttgg 360
 attctgttct actt 374

<210> 4033
 <211> 350
 <212> DNA
 <213> Mus musculus

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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

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 cctagttgat cagaagcagg cagaccccaa ggggtccagtt taccctctgc tcttgactat 120
 ggatatgatg tgactagtgc ttaagttcct gcctcgactt ctccacaata agggactgtg 180
 acctgtgttg ttggttgttg ttgttgttgt tgttgttgtt gttgtatttg ggggggtgggg 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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 <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> (159)..(159)
 <223> n is a, c, g, or t

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 ctttataaat tcttgttcat aagatagcat tttctatgct gttttgctaa aaattaaaga 120
 taatacttgg tcccagaagc acacntgctn cagcgatcnt aatttgctct aaagctgagc 180
 caccgcccca tggccactgc tgctctgcag tgggtgtcact aggtgactgt agtgacagag 240

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ggctgccttc taccctactc actttcttca ttgtctgtag aagggaggag agaattccgg      300
tctgtaactt tttggacaaa ctttttaaga gtttatactt gtttaattgg gtaataagtg      360
accctcctg ttaatcctag                                          380

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<210> 4036
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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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<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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<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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taagccccctt gtaggcctgc agaatggaca taccatctta tttggctcgt tctaggctgg      120
ccatccccctt acatattgat catgatgatg catctngagg atntctgaag gctttctttc      180
tacanccttc ntactattgt atggctctga attcagaaan ccactcaggt gggctaagaa      240
aacnanagct acataattcc taaacacttn atctgttctt ctcaaaggga gtaag          295

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<210> 4037
<211> 296
<212> DNA
<213> Mus musculus

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<220>
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<222> (59)..(59)
<223> n is a, c, g, or t

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<220>
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<222> (128)..(128)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (238)..(238)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

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<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 4037
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catgtcaagg accccaaggc ggacccccct cccaagtga ggctcagagg gatggcaagg      120
cctttctnag gggctctgagt gtgaatgttg gcagtgtgtg cagaaaatgt ccaccatagc      180

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ctcttntacc acccaaacat ttacagcctg aaaactgctc ccctacaaag actgccnta 240

ctgagntnag cnttacctgt ccccttgatc tgtatactgt atccaataac ccgcct 296

<210> 4038
 <211> 360
 <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> (172)..(172)
 <223> n is a, c, g, or t

<220>
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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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 <222> (193)..(193)
 <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>
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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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 <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

<220>
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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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 ctgtcctaca aactgtagac gccttggtct tcctggactc tcagctctat ctcttcaact 120
 cattgaactc agtgggctct tccaantct tccctctgca ctgaatcctc tntnaaggta 180
 ntgagtgggg acnaacccat ttactnntc tntcttcatn actnaatntc agtnacttga 240
 atantcttca gtattttaac ttttataact gggcnaacca antngggttac 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 tggaacatt ctgacaagct tcctggagag ccttaaaaaa 180
 tggtcaccct gtttctaata aaaactttga ataaacgatg acttatatag ggagatataa 240
 gaatgaaaac acaaataaat tgtcataata gagcactgggt ttt 283

<210> 4041
 <211> 324
 <212> DNA
 <213> Mus musculus

<220>
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 <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>
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 <222> (297)..(297)
 <223> n is a, c, g, or t

<400> 4041
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 ggggtgtggac acaggcaaca acaaacaggg ctgagaatgg cagtacactg tgctaattctc 120
 cgtacctgga aggcagaggg aagcttgtct ctgtgagttc caggccagcc aggagntacg 180
 cagtgagacc ccatccaaga agcaagaaca cactgagatc cttttgcctc tcagcataaa 240
 tagtccccat tttaacacatt tgggncctgc ttgatttttt aantaantgt gagagtntac 300
 cataacaacat gtcccactgt tgggt 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 actgtgggtc ccttatgggt atattttattt cagggttttgt 120
 tttgttttgt tttagatag tgactcactg tgctggcctg gaactcattg cgtagcctaa 180
 nntaggatgg gcttaaactc gaaattcttt tgcctcggcc tacctattac tggcattaag 240
 tgtgtgcac 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
agcacagggg gttgttacca cagccattca aagctctgtt gacctcattt ttaa 234

<210> 4045
<211> 333
<212> DNA
<213> Mus musculus

<400> 4045
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accctgcctt ttgctttgcc aggagcatcg atcaggcttc aaggccaaag cctgggaaag 120
tacaggaacc ccgctttctc aatcaacaga ggcttgaga gttgggtttt tgtttgtttg 180
tttgtttttg tttgtttttg gggggttgtt tgtgtttgtt tgtttgtttg tttgtttttt 240
gtgcctgccc tcattagtct ctggcagaag tgggggtgaa accttagagg tcatgtcctc 300
cttgtaccca ctaccccagc ttgaaggagg caa 333

<210> 4046
<211> 76
<212> DNA
<213> Mus musculus

<400> 4046
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tagacatttg atgctc 76

<210> 4047
<211> 280
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
 <222> (174)..(174)
 <223> n is a, c, g, or t

<220>
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 <222> (197)..(197)
 <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
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 <223> n is a, c, g, or t

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 tttaggaaat tgcttttgca tccaagagag agcaatgaga acatttcct gatacattgc 120
 agggctgggt gcgaaaggaa ccagctcaga gcagagtgga tacagctagg aatnagcacc 180
 ctgcctccca ggacctntga gggggcccag ggtcctnttg ggaacctntg atgtactaat 240
 tacacccatg catcccttca gaatcaaccg caagctttta 280

<210> 4048
 <211> 250
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (52)..(52)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (207)..(207)
 <223> n is a, c, g, or t

<400> 4048
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 ctgcacctgg tttcagcaag gtggctgagg gcagggctct ggctctggct gcacacattc 120
 tgaactcacc tcctcccctg agcaggcctg aactaggtat ttgcaccagc tcatcacctg 180
 tgagccaggg gtgtgacagt agctcctnta cctaagtgtc gagcttctac tcctgacaac 240
 tacaaggaaa 250

<210> 4049
 <211> 254
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<400> 4049
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 tgnnttaattt tacatctaca tggttgaaaa gtccgtgagg gtgattctgt cccccttgcc 120
 actcaaacgg agcaaagatg tggattgaat tgtttggtga gtgtagataa tttagtaaatt 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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 ctctgtaga gtttcaaatac acacccatca gaccatttca atcctaattt gaacaccgga 120
 tggga 125

<210> 4051
 <211> 198
 <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> (75)..(76)
 <223> n is a, c, g, or t

<400> 4051
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gaaaggcttt ctntnntctt aaatacaccc ctggctcaca atgtttttca gtattaaagg 120
gcaccggttg ttgatgcaaa cccttcccaa cctgcagttt ctcaacttct gttttgggtc 180
agattgcaat gaaccatt 198

<210> 4052
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 4052
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ttgaatttta ctatgacag acgaagtatt gacccatgac ttttt 105

<210> 4053
<211> 61
<212> DNA
<213> Mus musculus

<400> 4053
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t 61

<210> 4054
<211> 80
<212> DNA
<213> Mus musculus

<400> 4054
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tccacttcgg attcgaaagc 80

<210> 4055
<211> 229
<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> (33)..(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> (42)..(43)
 <223> n is a, c, g, or t

<220>
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 <222> (78)..(78)
 <223> n is a, c, g, or t

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 <222> (89)..(89)
 <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> (106)..(106)
 <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> (124)..(124)
 <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> (131)..(131)
 <223> n is a, c, g, or t

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aaatactgca gagaccanac agaaccttnt ggcatgggna gacagnccac taaactgatt 120
tnanancctg ntagtagtgt tttcagaaat ccctaagatt aactgtgtgt tttccctata 180
aattatattc gaatttcctg cacagcagtt gtactgacac agactggtg 229

<210> 4056
<211> 119
<212> DNA
<213> Mus musculus

<400> 4056
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tcatatattct cgaggtgcc a ccgctgaaga cgggtgcttta aggaagtc at gatgagtct 119

<210> 4057
<211> 94
<212> DNA
<213> Mus musculus

<400> 4057
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gccttttcat atgaagaact taggagctat tgct 94

<210> 4058
<211> 202
<212> DNA
<213> Mus musculus

<400> 4058
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ccccaccccc actcccagtc cccaccgctg tatattttga ttcattctcc tggccccctg 120
ggtttctttc ttgtctctcc ccatacctaa tcttgttctc tccttcccct ttctgagtcc 180
ttttacactg gctcttttct tt 202

<210> 4059
<211> 100
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 caaaggagnt cctccccaag gaatgtggtg ctgt 214

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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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 tttgtttccn ntgtttcctg ggtgggggag gggncacact 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
 <213> Mus musculus

<400> 4064
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<210> 4065
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 tttgtattta aattntaaaa aatcagcaag ctgttcctg agtagtggtg ctgcctgtgt 120
 gtccggtccc gcccccccg cagcacttt agtaagttat 160

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<400> 4066
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<210> 4067
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 <212> DNA
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 gccaaataaa ggggtgagca cacagcctct gtgcaaagct cctagttacc ccatctgcac 120

atagcttacc atcatgcttn nanggtatatt acctcctgct tggtttatatt gtta 174

<210> 4068
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 ggcnggcccc attccanctt ggctcctgnt cccttncaac tgagtggatc cagtttcctc 120
 acnaattgaa ctgacaacac ctacctttca gggtggtcag 160

<210> 4070
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 catgagaaac aagatgactt nggcaaaggt ggaaatgaag aaagtacaaa gactggaaat 120
 gctgggagcc gcttggcctg tggagtgatt gggattgcgc agtaaacatt ccctgtgtgt 180
 tttgattttc a 191

<210> 4071
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<210> 4073
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 agatgtnatg taaaccttgc caaagntntg gtggcaatct ccaatgtgtt gtttgaactg 120
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<210> 4074
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 gtgccactac ttcaactttc ttctggt 87

<210> 4075
 <211> 55
 <212> DNA
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<400> 4075
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<210> 4076
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acagcgtctt ttgaccaga gtgcc 145

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gccccttacc cagctgttct gcttggattt cctacgcccc cagg 164

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<211> 75

<212> DNA

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ttgggcaaca cgttt 75

<210> 4081

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<212> DNA

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<400> 4081

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 cttgtatgag gactgtgacg ttatgttaaa aa 152

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cccattcccat ccatttccttn tacatatata ccttggattc ccatacactt aggaaa 116

<210> 4084

<211> 152

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tttgtcgagg gctcagnttt ttggatatcc agacaggagc tattgcccga gcctgggnta 120

atggacnttt gaaccctgta ctgttacctg at 152

<210> 4085
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 <212> DNA
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 aatcctccct agaagttatg aacac 145

<210> 4087
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<400> 4087
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<210> 4088
 <211> 73
 <212> DNA
 <213> Mus musculus

<400> 4088
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<210> 4089
 <211> 467
 <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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 cctgcctcct ttggccttgt catggacccc tccaggaagc tggctgcttc tgtgctggat 180
 gcccttgact ctccagggcc cacgctggac nccctggatc tgttaccata ctctgaggct 240
 cggctgggtg cccttgacag ctttgggtca gcccgaggct ncctggacaa gcnggactcc 300
 ttctagaag agaccagctc gcaggaccac cgacccccaa gcagtactca gaagccagcc 360
 ccntcgccg gagccctcaa tgcccaacac caccctgctc atcaagaacc ctctggnnnn 420
 caccacgag ttcaagcagg cctgccagtt gtgctacccc aaaacag 467

<210> 4090
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 attttcttcc atattttcag aaacctagag aactgtgctt aaaggtgctt tacaatctgt 180
 aagtatgggg acaaataaaa cacagattga tttagtggct ggtaaactct tggatgctgc 240
 tttagaggaca gcctttttgc cataagggtg agaggaatag gcttccccag ctggcaggac 300
 ctccgagcat gggaggtctg ccctctgcgt ttgctagtga ggactcaaag gtacagccag 360
 gacagaattt gacttcatcc acttagcagt catgagctgg tcttctcgga actcattgtt 420


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ggctgggaag ccttcctgaa ctccgtgcta tctttgctcc aattctaaac ctctggtttt 480
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<210> 4091
<211> 261
<212> DNA
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<223> n is a, c, g, or t

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tggctgggat catggactgt gtacatggag aaagcaagnt gagcatnagc gttcaccant 180
ttttncctgn tgatttcaga agaacatgac tggctgcttt agattcctgc cacctcgact 240
tcccgccctg atgaactgta c 261

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<210> 4092
<211> 497
<212> DNA
<213> Mus musculus

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<220>
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<222> (393)..(393)

<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> (446)..(446)

<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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<221> misc_feature

<222> (459)..(460)

<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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ggaccacaga catctgtccc tgtgcttggc ttgttacttg ggttctgggg aatccaaact 120

caggttgagg ctgtagagca ctttacttac ttggcagtca gaggacagct gtggcgctgg 180

ctctcctgcc ctcatgaggg ctccaggctg ggaagacaag caagcgcctt taccactgag 240

ctatcttgtc agtaccctct gccatttagt ctactgttaa cccaggcagc tgggtactgaa 300

tttgtggcac ccctctgcct cagcacccca ggtgttgga ttataggcct gtgccaccac 360

acctggctct ggtaaagacc ttcttggnaa acnaaaacca agtggttttt ttttgttttg 420

ttttttcgan acgattttgc tgtgtngaac cgcgntgttn 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

<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> (359)..(359)
 <223> n is a, c, g, or t

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 catgggcacg cctggngct gtccttggtg ctgccggatc cttgggcgtc acagcgcctt 120
 acctgctgga anctgcagtc gtcccccaac agttaagcag actggagtgc cactttccac 180
 ttttaacaca aatgactacc cnggcctgtc ttctttgtcc cctttccgga ggtttccggc 240
 gggccatttc tcaaaaactc tctctttttt ttctttctgca taactctcag ctcatctctt 300
 gctgctttta gacgaggagt gggggggggg tgtgtgnata aagancancg gnccttacng 360
 ccaaaagtaa ggaagaaaga gactaagagg tagggggcca gacgaaagtc aggaagccag 420
 agaagagctg ctgagagggc cgagagtggc gagacaaaga aagggcgctg ggaaagggca 480

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<210> 4094
 <211> 342
 <212> DNA
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<220>
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 <222> (276)..(276)
 <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 gaaaaccag 240
 tgctgctcta agtcaggact gtgactccaa gtgaanaaaa gatcactctc aaaaagcca 300
 caaggagcca ggtgtagtgg tgcatacctt tactcccacc ag 342

<210> 4095
 <211> 419
 <212> DNA
 <213> Mus musculus

<400> 4095
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 tacagaatca actaaccttg gcacatagag gctcacagag actaaaccac caaccagaga 180
 gcatgcatag gacagacctt 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
 gagtctgtg 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 cagcaaatgc 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 gccctggggtt 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

<400> 4099
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 cttaagccag ggtcttagct ggcttgaac tcaatttgta gaccagctgg cccttaattc 120
 ttagagatcc actgctgctg ctttccaagt gctggaatta agggcatgtg ccgccagcac 180
 cattcatccg tctagcatgt gtgcat 206

<210> 4100
 <211> 204
 <212> DNA
 <213> Mus musculus

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 gccgccaagt tattatttaa cctcggggccc ttttcaaaga caaatttcat taagattcat 120
 ccttttcaca tggctgaatg gaaacacgtg ttatttcaac ctaaaaccaa tcccagctgt 180
 gaactgcatg aggcgtttcg cgaa 204

<210> 4101
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 4101
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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 tggagtgcc aagccgggta 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 ctactcgggt 120

ggctcgggtg gga 133

<210> 4104
 <211> 157
 <212> DNA
 <213> Mus musculus

<400> 4104
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 ctagcaacgg cttgcctctc tgactaccag gttctag 157

<210> 4105
 <211> 117
 <212> DNA
 <213> Mus musculus

<400> 4105
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<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 cacacatttc ttccagccaag tagcttctgc tataattagc aatacgtgct tctcttttgt 240
 tgcttggtttt tcagaagatg tactcgcccta caaanttttn tttntntnn nttntntgna 300
 aangtctacc agggaaaaaa aaanngagtt aaaaagttat ttccagatgc tcaccctcc 360
 cctcccccca tgctttcact ggtagtcaag gatataaact acagtatgct taagggtcac 420
 ctgatctctt gagccagctt gatctagctg ctcttggcct tggttcagact gaag 474

<210> 4108
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 <212> DNA
 <213> Mus musculus

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 agaaagcttt tggggtcctt agcccactcc ctgtgtttcc tttctctctg gaatggaggg 180
 agatacctga cacagttccc tcacaaaag cacatccagc cagtggcctg aactttgaaa 240
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 <213> Mus musculus

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 <223> n is a, c, g, or t

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 tctgagccag aaccgggag cctgtcagaa aaggtctctc acctagagtc catgctctgg 180
 aagctccagg aggacctgca gagggagaag gcggacaggg cagccttgga ggaggaggtt 240
 cggagcctca gacacaacaa ccagaggctg ctggcagagt ccgagantnc cgccnaccn 300
 cctgnctcct gncctntnan gcatctgggn tncaccant actgacctgn cctgagttcc 360
 aatntgaatc tggacctngc ttggnantnc cnnnnccct cagagcaact gggtcatact 420
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<210> 4110
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<220>
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 <222> (373)..(373)
 <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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 ggccctctgt ccagatgggtg ggcattgtctc aagctgccat ggaatttgct gcctttggtg 180
 tttgacatga attagtcgga aagacagtga ctgacaagaa gttactccca aaatgaaatt 240
 aaagcaagga agtgagagag attgccaaga taatgcatta ggcttgtgtg cacatntact 300
 tggatagaag nagnngggtg nntcagggtg ggatagctna gaatgatgan tgaaggaaat 360
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<210> 4111
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 <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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 <223> n is a, c, g, or t

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 aagaaactgg agatcataca atcccagaag ggccaggagt cggagtatgg gaatatcacg 180
 taccctcccg ctgtgaggag tgcccacgcc aaagcctcgc gtacttcctc caagcacaag 240
 gaggaggtgt acgaaaacgt gcatagcaag agccaagaag gaagagaaaag taaagaagca 300
 gcggtcggca gacaaggaga agaacaaagg ttctctcaag aggaagtgat ctgggcattn 360
 gtctgcaggt ggccatgcat canccttgat ccctgcagag gcttccaccc gatagactga 420
 gacctgtggc cctcaccaga ccctaggacc acccccatnt tcttgtaatt taagtgactg 480
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 <211> 476
 <212> DNA
 <213> Mus musculus

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (395)..(395)

<223> n is a, c, g, or t

<400> 4112

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caagctgggt tacatgctcc acgcagctag agaagcctag gtgctctgca ttccttgggg 120

aactgcagga aagccttacc tgctgactgt tgctctgggg aaaagcctga ggggtccagag 180

cagctacaag ctacaggcca taccttaca cctgaaaagc taaggaccac ggtgaccttc 240

ccggctactg tgtgaagggt ctgggtgggg cctgctcaac agacagggnt cgacagagtn 300

gtnttgatac atncaaacag aatccttgga gtgtgtgata catgcaaaca ganatcctgg 360

ncccttgctt ntccccctca gtcaaagcag gagtntccct tccgaagcca ggacaacctg 420

ttcacaaggc cccttgtcac atgtcacctt ccacctgcct caaggagtgc tagtgt 476

<210> 4113

<211> 441

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (296)..(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> (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

<220>
 <221> misc_feature
 <222> (385)..(385)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (391)..(391)
 <223> n is a, c, g, or t

<400> 4113
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 atcaacagat caccgtctaa gcctcagtcg gggcacccca cctcgctga gctcaagctt 120
 caagagtctg tgactaagag aattccgaaa ggatgtggag ccctctgact ggggtgggag 180
 ggtgtcctcc aaggggcctc cggaagccca cagagggatg cgctcctgct caggcaggtg 240
 tcagaagctt gcaggggctg tggccgcaac ctgtgattaa agcattcctt tccctnncgn 300
 cntttcccc ttcaccacta atggctggcc tttctgtgtg ctgagntctt tcgacagttc 360
 aaatcatctg gtggcagcag actcnccttt ncccttctgc ggccgagggc ggagatttat 420
 gactttctct gcttggttgg a 441

<210> 4114
 <211> 363
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (171)..(171)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (192)..(193)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (277)..(277)
 <223> n is a, c, g, or t

<400> 4114
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 agaaatagca agtcagtcac agacggcggtt tatgagacca gcttccttgt caaccgtgac 120

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cattccttcc acaagctgtc ttatctcacc ttcattccctt ctgacgatga natttatgac 180
tgcaagggtgg anncaactggg gcctggagga gccggttctg aaacactggg aacctgagat 240
tccagcccc atgtcagagc tgacagagac tgtggtntgt gccctgggggt tgtctgtggg 300
ccttgtgggc atcgtggtgg gcaccatctt catcattcaa ggctgcgat caggtggcac 360
ctc 363

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<210> 4115
<211> 530
<212> DNA
<213> Mus musculus

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<220>
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<222> (261)..(261)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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<220>
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 <222> (495)..(495)
 <223> n is a, c, g, or t

<400> 4115
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 caccctcttt ctttctgctt ccaatgaaaa cttagagcta cctgtttttt ttttcttctt 120
 cttcttcttt ctttctctgc ttgtgttta ttttgattca gacatctcat tatctacctg 180
 aagtcctggg atacttagct tgaatttggt attcctcttt aatattttaga ttaaagtcta 240
 gatctgaatg gtaggtttac nacttctggt ggtggtnac catgaacaag aaagggagag 300
 ggaancctca ncctatttaa ttaagacctt gttncaacta aanacactat ttaagatttc 360
 ccagctactt gggagtttga ggcnatcaca gaggagttaa cactgggaaa acaaacaaaa 420
 cancaaagaa agtagtgtga gcggttgctg ggattgaatt ggcattcttt tcgcttctta 480
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<210> 4116
 <211> 339
 <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> (181)..(181)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n is a, c, g, or t

<400> 4116
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 gttaggnagc acagcaagga cccagctctg tagggctggg gacctgatac ttctcataat 120
 ggcattctaga agttaggctg agttggcctc actggcccag caaaccagaa cttgtctttg 180
 nccggggccat gttcttgggc tgtcttctaa ttccaaaggg ttggttggtg aagctccacc 240
 cccttctcct ctgcctaaag acatnacatg tgtatacaca cacgggtgta tagatgagtt 300

aaaagaatgt cctcgctggc atcctaattt tgtcttaag

339

<210> 4117
 <211> 531
 <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> (160)..(160)
 <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> (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> (404)..(404)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (436)..(436)
 <223> n is a, c, g, or t

<400> 4117
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 ccagcctgac cgaccctgtc acggctcgagt ggaaagcaca agtccacatc tgcacagaac 120
 aagatgttga gtggagttgg gggnccttcgt gctgggcctn ctcttcctnn ggagcggggc 180

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tgttcatcta cttcaggaac cagaaaggac agtctggact tcagccaaca ggactccttg      240
agnctgagat gaagtaacaa ggctgaagga aggagattcc cccnngtgtc tccatgccat      300
gaaaacatgt cctgcttggc ccacatccct ccagagacac tgctcttcca ggacctggct      360
cctcctgatt ctccaccctg gagatctgtg ctctgatgg ctgnttatcc ctgaccagg      420
ccttgcagct ccagnacag aggccccacc tcttcacatc tcctgtcccc ttttgtccct      480
tgccctttgt ctggcacttc tgagccagtc tgctgtcata tgctttttta c              531

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<210> 4118
<211> 410
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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<400> 4118
ctgtcatcag ccataactaa tctatnttgg taaatgagag anctgacctg gcaccttaca      60

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agcagaaaag cggcccacac taagaaagga ctgcaaata gtagtctgt atagaacatt 120
 ttaccttcac tgacttgggc cgatgtgttt gtcattctctg 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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 aatgcatatg tccaacatgt ctaatgtcca tgagatgagt actaaacca tccccatagt 120
 ctctgtcagc ctgctgtttg caggagtcatt tgctgctaga atcgggtcttt ggtcctttga 180
 tttgacggtg acacagttgc tgcaagaaaa tgtaattgaa tctgaaagag gcattatcaa 240
 tgggtgtgcag aactccatga actaccttct tgaccttctg catttcatca tgggtcatctt 300
 ggccccaat 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 gcctgggtgga 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
 agagacactg tagcactggg ggcttgagat ccactgccag ctgctgggtgt ggttatttct 60
 cagagtacta gcctagcaaa tgtgagccct tgagtttagc cccaaatact acaaaaaaga 120
 ggtccaagtt taaatgtttag tctcctaaca actgtcaaatt caatttctag cctctaaatc 180
 ttgctacttc cactctacaa agtcacataa gagagaagct gatggaaatt tttgagtccc 240
 attcattaga taattgacat actcagtttc cttttgaaca cagtccttgg taataggaat 300
 catacagaaa tcttttattt ctggaaaata ttccaatttc tttgtcttat tgattttggt 360
 ccatccatcc atccagaaaa gattattccc atcctattgt tagtcagtct ggtagccttg 420
 aattaca 427

<210> 4122
 <211> 566
 <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> (252)..(252)
 <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> (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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aaggctctca ccaaccagga gaggccatac cagaaccaca cgggtcgctt catctgtgca      60
gtgcccggct tctattactt caacttccaa gtgatctcca agtgggacct ttgtctgttt      120
atcaagtctt cctccggggg ccagcccagg gattccctga gtttctctaa caccaacaac      180
aaggggctct tncaggtggt agcagggggc accgtgcttc agctgcgacg aggggacgag      240
gtgtggatcg anaaggaccc cgcaaagggg cgcatttacc agggcactga agccgacagc      300
atcttcagcg gattcctcat tttcccctcg gcctgagctg gggatctgcc cctgcatacct      360
gccatctcct gcgctccctg ttgtggacca cgcccccccc ctccgncctg caccctccc      420
ctccgcactn tgcaaagtga aggggctggg gcttttagcac cctggggggag gggctgtctc      480
ggagggaggg cactgaggac tgatgtttnt gcacactgcc cagtggtttc ttttaagcact      540
ttctggaata aacgatcccc gtctgt      566

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<210> 4123
<211> 467
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

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<400> 4123
atgacttttg aaacctacag cttggacccc cgatgtcttg agaggcaaga agagattcaa      60
gaaggtcttt tggtagcccc cccacccaac cccaagtcta ggagaccttt tgttctcng      120
tttgtttccc cttttgtttt atcttttggt gttttgcttt gttttgaaga cagagtctca      180
ctgggtagct tgctactctg gaactcacta ctagactaag ctggccttaa actctaaaat      240
ccacctgcca ntgccttctg agagccaggc ttaaggtgtg cgctgccac tcccagcctt      300
aaccactgtt ggcttttcct tcctctttct tttattatct ttttatctcc cctcaccctc      360
ccgccatcaa taggtactta attttgtagt tgaaattttt aagttgggcc aggcattgtg      420
gagcagcgtg cctctaactg caggcaggag gatttccacg agcttga      467

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<210> 4124
<211> 239

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<212> DNA
 <213> Mus musculus

<400> 4124
 tccctatact gcgttttgaga 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
 gagatcatta tccacatcta ctgtgtacac acaacattct tcaaacaata cacctgaaac 60
 ctattatcaa agtaggcacc catatacaac agattgcaaa tatatatgct atgaaccttg 120
 aaaatgatta ctgtctctag aaataccttc attaaaacct tatttatagt caaatatgtc 180
 aacttttcaa taccatgaac aatggactga tccagcctag actagtttga gtaaattgtac 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 aaagtggctg gtaggagagc atccaggcca ggaatgaggg 120
 tcaccttcat cctgctcaac tcttgggcct cactgcttcc aaaccgcctg gtcacaagc 180
 ccattccctg cttcctggat accccggcca gcgtctgaag ctggaccatc aataccacct 240

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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

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<210> 4127
<211> 259
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<400> 4127
agaacaacac cctttaggcc cacaggttta tagcaggaga actgttactc cctgagaacc    60
agatgtagga cctcagagtc agactcatat naagagccca tttatatattt atatattaat   120
taactttaaa gtttgaaata tgtccttact gttttatcaa aaaagagacc ttccacattc    180
atgtgtactc ctctacattc caaagacatg aaattgtatt ctgtattttt taaaaacaga    240
agcctctggt tatcccaca                                           259

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<210> 4128
<211> 514
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

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<220>

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<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
 tgatctatctt 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 gaagccatt acacaaactt aaaatgtagg tgttctggag tgatttcaac 120
 tgttgtcggt ctaaacaatca tagatcggat tcaagttacg cccctggga atggctgccc 180
 caaaactgaa gtttgtatct ggaccaagat gaagaaagtt atatgtgtga atcctcgtgc 240

caaatggtta caaagattat taagacatgt ccaaagcaaa agtctgtctt caactcccca 300
 agctccagtg agtaagagaa gagctgcctg aagccactat catctcaaaa gacacacctg 360
 cacctttttt 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
 cagcgctggg gg 372

<210> 4131
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 4131
 caacgatggc atcgagtact ggattgtccg aaattcatgg ggcgaaccct ggggtgagaa 60
 aggctggatg aggatcgtga ccagcaccta caagggaggc a 101

<210> 4132
 <211> 593
 <212> DNA
 <213> Mus musculus

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<400> 4132
tggttcattta cttagaccct cttggctgaa ggaagcagcc agctctgaga gatgatcgtc      60
ttacttcaca aatatgctac agaacatcta ggctgaaact catacaaattg agaggagact      120
atgttatttt tagtaagaaa agatcaatag gtataatgtg tccagtgcac actctgtaag      180
tggggattgt gctaattact gggtagatgt gctgtactga tgttctatgt ggcaactgagg      240
aaactaaggt atagatcttc tcatgtctgg atattagatc ctgggagctg ccgccaagac      300
tatttctaattg tgttgtggat atatatgatt ttttttcttt tcacacttac cttttgaaag      360
gatatttggt tagctgtatt cattatcaag taagttaaaa tctatgattt tccattcaca      420
ataaataata ataatgacaa tgatacccat aactgaacct tctgttatgt tgtgaaatgt      480
aaacaataga atgtttctag gaactcatat tgcttctagc agatagaagg tatcagatac      540
tgtatctgtt aagttttttc taccctttgt tgtgaccaca ataaagtacc att              593

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<210> 4133
<211> 558
<212> DNA
<213> Mus musculus

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<220>
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<222> (304)..(305)
<223> n is a, c, g, or t

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<400> 4133
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ttcttagtga ctacattcgt ctcatgtctg cagtgaaagg tgtgtttgac catcggatga      180
agtgtctggca gaaatgggaa gatgctcaaa ttaccttgct caaaaaacgt gaaactgagg      240
caaaaattga tggttgctaa caagccagat aaaattcaac aagctaaaaa cgagataaga      300
gagnntggga ggcgaaagta caacaaggag agagagattt tgagcagatc tctaaaacaa      360
ttcgaagaaga agtggaaga tttagaaaag aacgagtgaag agattttaaa gctgttatca      420
tcaagtactt ggagtcatta gtacaaacac agcaacagct gataaagtac tgggaggcat      480
tcctacctga agccaaagcc attgcctagc cttacccttg tgaaggagac attggattcc      540
ccagtgaat catctaga                                558

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<210> 4134

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<211> 415
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

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 cctctgcacc cccgcacctg cctcaccata tggctcggac accactccct gctgctttgc 120
 ctacctctcc ctgcgctgc ctgctgccca cgtcaaggag tatttctaca ccagcagcaa 180
 gtgctccaat ctgacgtcg tgtttgtcac tcgaaggaaac cgccaagtgt gtgccaaccc 240
 agagaagaag tgggttcaag aatacatcaa ctatttggag atgagctagg atagaggggtt 300
 tcttgattct gaccctgtat acgcttcctt gtcattgctt gctctagtcc tagccagctt 360
 ggggatgccca ctnagtaat cccctactcc cactccggtc ctgggaaaat gggca 415

<210> 4135
 <211> 432
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (79)..(80)
 <223> n is a, c, g, or t

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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 gccaagggtcc ttctcaggca tctatcctta acttgggtctc tccacaagct 120
 gcctctgatg ctccgagccc cttctgcctg gcagctgggc tccctgtgtg cttttaccta 180
 tgacccttgg tcagcagagt acaaggagca cctaagctgc ctgcccacct cccactgact 240
 gcaaacacca catacctcat gcggaaccga atgtctctcc agtaaaccacc ccagccagcc 300
 attcataaaa acctgtctct gtgtgcgctg ggacatgtcc tccctgtacc cggggcctgc 360
 tttgtgtgcc agacagtgc tccacaggga tgccaggtct gtgattgcat tgctccttgc 420
 agaggggaagc cctcggttgt ctttctctgg 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>
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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

<220>
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 <223> n is a, c, g, or t

<220>
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 <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

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ccataaaacc agagatgtga ccttccccac aaggaagcct tgctaagtgc gacattgagc	180
tgaggacaca caagctgaga attccccctc tgtcctccta gcctnggcta antactgacc	240
atacaccgaa tgtcacccat tcacggcact tttgctgagg acctaaaagc taaaaggct	300
gcatancctt ccatctagnt ctagggacat gtacagatgg gagcatctca ccttcacctc	360
tgagacactg ggacattcac agccagggat ggtacaggan tccctgctgg tggtagggctc	420
aatgaacaga gacgatggtg aaatgggtnc ctntcttttag accagtgggtt ctcaaccttc	480
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<210> 4138

<211> 300

<212> DNA

<213> Mus musculus

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<222> (91)..(91)

<223> n is a, c, g, or t

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<222> (192)..(192)

<223> n is a, c, g, or t

<400> 4138

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acagagaaga acaagcatgg acttttttgg ngcaaacctc agagcatcca ttaatgttaa	120
gctgggttaac caggcagaag gaacgtgtta cacacagcaa taagaatatc cacctcaatg	180
atgtttgctgc tntggggagt tctaataata gtaccattca tatcagcaag aacctaaaaa	240
tggttctgac tttaaatgt gggaatttgt gcttttttagc ccaagtttac cgctagtgtt	300

<210> 4139

<211> 312

<212> DNA
 <213> Mus musculus

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 aatgaggcta cagatagtgg ctgccttgga cctcctggga cagccacgta gactgatata 120
 gcaatgtggt ggccccagca ggcctggctg gctacagggt tctgagtctc ttggaagcag 180
 agtcggggta acaagaacat agaagagagg cctgagggtt catttcccct aaacattttc 240
 tatttgagca ccaccttctg gtgatttctc taatatgcct ggctgggaag aaatgaagcc 300
 agcagcccca gt 312

<210> 4140
 <211> 289
 <212> DNA
 <213> Mus musculus

<400> 4140
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 agaaacagga acgatttatt ctggctcatg atttcagaga cagactctgg tccatcacia 120
 caggggagggc atggaggagt ggctatgtct atggcatcag gaacataagg ttgaagctag 180
 atgttgaggt caaccaattt cctgtgggtc atcatggaga aaagcatgac tttggctctg 240
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<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>
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 <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
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cacaagccag gaagctggta gaacagctga agatggaagc caacatcgac aggataaagg 120
tgtccaaggc agctgctgac ttgatggcct actgtgaggc acatgccaag gaagaccctc 180
tgctgacccc agtcccagcc tcagaaaacc cttttcggga gaagaagttc ttctgcgcca 240
tcctttaagt ctctgagagg aggctgaaga gtgttggggc tcctgggaca tacatgtaga 300
gttcctagca aagtgggctc ctttctcgtc cacagcattt aaagagagga aggagaacca 360
tcctggacan tccgggctgt gcatgtttta agaaatgtnc cccttatgag aatgaaagct 420
gattccgtgt ncccaacttt agagatctga ccctgcagac cg 462

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<210> 4142
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
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<222> (414)..(414)
<223> n is a, c, g, or t

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ctacgatgct acttctatga ngacacaggc aaanccnnna aggacattgc ggtggaggag      120
gacctcagca gcacgccctt gttcaaagac ctgctagcgc tcatgaggcg tgagttccag      180
agagaagaca tngcccttag ctaccaggat gctgaggggg acttggttag gctgctgtca      240
gatgaggatg tgggactcat ggtgaagcaa gcccgagncc tcccttccca gaagcgctc      300
ttcccctgga agctgcatgt cacacagaag gacaactaca gtgtctacaa cactgtcccc      360
tgagtcacag ggaccctgtg gcaaggacgg ggngctcagc aaagggcctt tacnttccaa      420
gaacacggag accttcaggg agactgatgt aagatgcaaa cctcctggcc cagagtgctt      480
actggacagg attctattaa gtttttgaca ctctaccttt tggat                        525

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<210> 4143
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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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<220>
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<223> n is a, c, g, or t

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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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 <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> (98)..(98)
 <223> n is a, c, g, or t

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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>
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 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
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 <222> (78)..(78)
 <223> n is a, c, g, or t

<220>
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<222> (112)..(112)
<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> (135)..(135)
<223> 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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<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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<223> n is a, c, g, or t

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<222> (172)..(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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<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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 atcnagggct acctnagttt naaacnact ggaatngcaa atncactnat gnntcnacgg 180
 cnanttacca gagctgaccc cagcttcttg cctcgtagt gtctgtcaga aaa 233

<210> 4145
 <211> 133
 <212> DNA
 <213> Mus musculus

<220>
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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

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 <222> (78)..(78)
 <223> n is a, c, g, or t

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 tgctgacca 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
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 ccacagcaac aaggagaaga cggctcagcc caatggngac tggacatacc agacagtctc 120
 ctacctagcc ctaaccctt cctacgggga cgtctacacc tgcgtggttc agcacagcgg 180

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gacctctgag cccatccgcg gggactggac acctgggctg tcccccatcc agacagtgaa    240
gggtctctgtg tctgcagcca ccctgggcct gggcttcac atcttctgtg ttggcttctt    300
cagatggcgc aagtctcatt cctcca                                           326

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<210> 4147
<211> 412
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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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<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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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

<400> 4147

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annnaacaan caancaaacn tacatcatag atggatggat gcatgaacag gtatagatng	120
atagatagan aganagacag acanacannn nnnntacag acagaaagaa atgaagaatg	180
ttgaaccttt tgaattagtt gatggcaaat taagaggaag tggttggaga ccacgtttag	240
taatttacct gtaaacacag atctgagtca ggaatagttc actgtgttta agaaggatac	300
actgcagttt gctctcaggg aaatcttggt ttgttttcac cagtaaaaaa tgccttagga	360
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<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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atgtaaagggt ttgtcatttc ctgcccccaa aaagaaaggc aagctgcctt ggggaagggtg	120
atcttctctc atgtagcccc caaagctggt ggagaccata ccgtgagaaa gggagctttt	180
cacagtctcc caccctgaca ggccaaatgg ccttgtgcta aggagccggt tgtcactccc	240
ttctccctgt ttccttctg gcaccagagt ctgtaaaagc tgaattatag tcccctcttc	300
ctgactccca tgacatccaa ggacangtta tgcgctgagc ccggcctgac acccaaggct	360
gttaaggagg atctatgttc cggagataag actcagagtg cccgccacct ggcgcctgac	420
ttcagccctc atgtcccctg atgccactt ctttgttctt tgtaattcc ccctcaacct	480
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<210> 4149

<211> 253

<212> DNA

<213> Mus musculus

<220>

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<222> (220)..(220)
 <223> n is a, c, g, or t

<220>
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 <222> (228)..(228)
 <223> n is a, c, g, or t

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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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 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
 cccaccta at cttgtccttc cccaagtcca gctccctctc tagtgggtaa tgagccctta 480
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<210> 4151
 <211> 513
 <212> DNA
 <213> Mus musculus

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 <222> (58)..(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> (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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 <222> (465)..(465)
 <223> n is a, c, g, or t

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 tcccagcccc aactctgggg ggtgctaata atgcggaaga ctgctgcctg tctgtgaccc 180
 agcgccccat ccttgggaac atcgtgaaag ccttccgcta ccttcttaata gaagatggct 240
 gcaggggtgcc tgctgttgtg ttaccacac taaggggcta tcagctctgt gcacctccag 300
 accagccctg ggtggatcgc atcatccgaa gactgaagaa gtcttctgcc aagaacaaag 360
 gcaacagcac cagaaggagc cctgtntntt gagtaaagag atgtgaatca ctctggccca 420
 ggaaaccaag gaccagaaga gaggaccagg cctcctgatg ctctntccca gacctaacct 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


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<400> 4152
acttggatga ctttcacgtg gaatccatag ataccgccag aataatattc aaccaagtga      60
tggaaaaaga gtttgaagat ggcattcatta actggggaag gattgtgact atatttgcct      120
ttgggggtgt tctcctcaaa aaacttcac aagagcagat tgccctggat gtaggtgctt      180
acaaacaagt ttccagtttt gtggcagaat tcataatgaa taacacagga gaatggatac      240
ggcngaattg aggttgggaa gatggcttca taaagaagtt tgaacccaaa tctggctggc      300
tgacttttct gcagat                                     316

```

```

<210> 4153
<211> 465
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

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<400> 4153
gaggcgagcc aagaagaagc gtttctgagg agcggcgcgc agttctcccc cacccacggg      60
ctggcgctgc cacaggacgg cgtctattac ctctactgcc acgtcgggta caggggcagg      120
acgccccctg ccggccgaag ccgtgctcgc tcgctcacgc tgcgcagcgc cctgtaccgc      180
gcggggggcg cctacgggcg aggttcccc gagttgctgc tggagggcg gcgagacagtc      240
acacctgttg tggaccccat cgggtacggg tcgttatggt acacgagcgt ggggttcggc      300
ggcctggcgc agctccggag cggcgagagg gtctacgtna acatcagtca ccccgacatg      360
gtggactaca ggagagggaa gaccttcttc ggggcggtga tggtaggggtg acanccatct      420
gtattcattc ctggaggatc gactgacggt gcgaatgtgt gaatc                               465

```

```

<210> 4154
<211> 524
<212> DNA
<213> Mus musculus

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<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>

<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> (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

aaatacgaca ggagtgtccc ctgcccccttt ctctgcccga actacagtca cgaacctggt 60

gctgcttctg accccatggt tccatggaga acggagaatg gactccagag agttttggac 120

```

ccagagggac ttcattggctt tctgagaggt ggagggggtcg gggtaggggag tccaggagag 180
ctgtctctctt cccctgtcca gtcagtaact ttcaactgtt ggtctgacac ctgtgttaat 240
ctctgacctg aaagtgaaga tacacgcatt tttaacaacag ccagccaaac anagnagact 300
cangngactn cggnccnant gngccancct ncgaggagac aagagagggg gggtagcagag 360
gaaggggttg aaggggtgcac atttcaccag gcgaggtcac tttgaaccgg tgtgtacaca 420
cacgggtgtc tcttttttat ttcttcggga ggggggagggc tatttattgt agagagtggg 480
gtctggatgt atttcttctg ttttgcatca ctttctggaa ataa 524

```

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<210> 4155
<211> 372
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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<400> 4155
aatgactcca ccgtctttga taagctcttt ttctcccagc taagccgggt ggggccgcgg 60
gcgaagctga ggcagactgc tgacatatgt gcactccctg caaaagcnca catctaccgt 120
gagggctgcg cgcagagcct ccagaagtgg ctgcacaaca atatcatctc catagtggga 180
atctgtctgg gagtcgggtct tcttgagctc ggcttcatga cgctctcaat attcctgtgt 240
agaaatctgg atcacgtcta tgaccggctg gcccggtacc gntaggcccc agcccacca 300
tcggcaccca cgcacctcca tgcagtcagg aaatgtttcc ttcttggttg gtcacaggct 360
tgagagccat gc 372

```

```

<210> 4156
<211> 237
<212> DNA
<213> Mus musculus

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<400> 4156
tgccattcct caccatgtgc attaaggaga gcctacgggt gcatcctccc gtcactgcaa 60
tctcccgatg ctgcactcag gacattgtgc tcccagatgg tcgggtcatc cctaaagggt 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>
 <221> misc_feature
 <222> (410)..(410)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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 tgggtgggcat agaggggtcc aacagcgtct 300
tctctggttt cctactgttt cccgactaga acggcaggct gcttccagcc cccanccacc 360
cacctcgctc cctctgcttt ccccatcctc actcagacct cttcctccan gaagtccacc 420
ctgggttcctg atccatcggc cctgtntctc ctcagagttt ctctgggaac cacctaattg 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 aagtcattatt 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
tcctcactc 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

<220>

<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
 atatcttccc gcctgtgatc aatgtcacct ggctgcgcaa cagccagccc atcactaagg 60
 gagtggccca gaccagcttc tactctcagc ctaaccacag gttccggaag ttccactacc 120
 tgaccttcgt gccctctgcg gaggatgtgt acgactgcaa ggtggaacac tggggcctgg 180
 atacaccgct cctccagcac tgggagcccc aagtgtttac cccaccaccg gacaccatag 240
 agaccctgat ctgtggcctg ggcctgggtc tcggccttat gggctgcctc ctgggcaccg 300
 tgctcatgat cacaggcaca cgcaggccca gtatccgcag gtaactttctc ttctgagaaa 360
 cccttgagag atgattcctg gcggacttct ggaagcttnt gcgtgctcag cggcancctn 420
 gtgannncan gtgttgacct cgagtggcat caacctctgt tcaccaaadc ccaggagAAC 480
 attgtgggCG cagtctcctg ccnttggtac cccatttcac tcacagctcc agtgccatcc 540
 acagctctgg cagccgcact aaattctctt aaga 574

<210> 4160
 <211> 511
 <212> DNA
 <213> Mus musculus

<400> 4160
 agctcctgaa gccatcaact ttggttcctt caccatcaag tcagatgtct ggtcctttgg 60
 tatcctgctg atggaaattg tcacctatgg ccg gatccct taccaggtA tgtcaaacc 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 aactgcagc tgttgagtgg 420
 gtgggaggac ttcacaatct ctttctgact ctagtcatct gcaatccgcc actctcaggg 480

cctccaagtt ggtatgtctc atttgcttg 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

<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> (282)..(282)
 <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> (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

<400> 4161
 gcaaggattg cgaggcatgt gctcagcaca cgccctgtat ccctggcttt ggagttatgg

60

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agatggccac tgagaccact gataccgtct gtcatccctg cccagtcggn nnnntnnnnn 120
ntcnncann anttttcgaa aagtgttatc cctggacaag gtttaaagtc ccggatgcga 180
gccctgctgg tcattcctgt cgtgatgggc atcctcatca ccattttcgg ggtgtttctc 240
tatatcaaaa aggtgggtcaa gaaaccaaag gataatgaga tnttaccccc tgcgggtcga 300
cggcaagatc cccaggagat ggaagattat cccggtcata acaccgctgc tccagtgcag 360
gagacnctgc acgggtgtca gcctgtcaca caggaggatg gtaaagagag tcgcatctca 420
gtgcaggagc ggcaggtgac agacagcata nccttgaggc ccntgggtctg aaccctggaa 480
ctgctttgga 490

```

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<210> 4162
<211> 398
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

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<400> 4162
taccaagtgc agcagtgcag gacccagagt tgtcttgctg cggcgttcac tgtaaggagt 60

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```

cgtggctaca ggagtcctgt gcccgcagct tgtgctnnta gagggcacct ggttgccnat    120
cagcagggtta ctggctaaat aaatctgtaa ttatttatac aatgncatct cagaaactct    180
agcagggtggg gcagaaaaca ggtagtngaa tgatgggtag agaaanagct tttaaaanca    240
cattccaagg caggtaagat ggcttttgtg agtaaaggag cttgctgccc aaaccgggtt    300
acctgatttt gatccctggg acttcatggt aaaagggaga gaaccaaadc cagaggggtt    360
tcatttgacc tccatgtgtg ctctgtggtg atgtaccc                                398

```

```

<210> 4163
<211> 465
<212> DNA
<213> Mus musculus

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<400> 4163
ttgggaaagt cctacttcct ctgtagaccc actatctgtg agtgacagcc actgtagctg    60
ttcacattaa ccttcccat 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 ctcatittct cgctt                                465

```

```

<210> 4164
<211> 482
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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<400> 4164
aggagtccca ggtcttgtag gcagaaaggg agacactgga agccctgggc tggcagggtcc    60
caaaggagaa cctggacgag tcggtcagaa gggagacccg gggatgaaag ggtcttctgg    120
ccagcaagga caaaagggag aaaaggggtca aaaagggcga tctttccaac gcgtccggat    180
catgggtggc accaacagag gccgagctga agtttactat aacaatgagt gggggacaat    240
ttgtgatgat gattgggata ataatgatgc gactgtcttc tgtcgcatgc tcggttactc    300

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cagagggaga gcacttagca gctatggagg tggctctggg aacatctggc tggacaatgt 360
 gaatngtcgg ggcacagaga acagtttgtg ggactgcagt aagaactcct ggggcaatca 420
 caattgcgta cataatgaag atgcgggtgt ggaatgctcc tgacttggga gcccagagagg 480
 tc 482

<210> 4165
 <211> 96
 <212> DNA
 <213> Mus musculus

<400> 4165
 tcctttcagt caaaatgtca ggttctggca ccccatgaa 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
 ttactcaaaa cagaatgagc cttttctcct tctgatgggt agagttttgt caacttgaca 180
 caaactagag tcacctgggg agtaggatct tcagctaagg aattgcctct gtcagcttga 240
 ccagtcagca tgtctggggg cattttcttg attaatgatt nttgtaagag ggtccagggtg 300
 gtaagcaaag gtgttaaacc catgaagagc aagccaggga gcatcatcca tccatctctg 360
 ccctcagggt 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

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aaaaacaacc tgtgtctggc cagacctgac cggccttctc tggctggtga tcctccctca      60
cgcattgtgc cacgtctgct tctccaaccc caggcaccca ccaccatctg ctccatcctg    120
tgcctcantc actgcagctg gatgtgttcc tgttgtaatc gtcactaaca cttctttcttc    180
tctgaccctt tgatactcta ccccgttcac taatcttact acccactttc tggccctggg    240
gagaaatccc caggaaggac agaagtaagg aagcaagagg cactgtcccc agttggcttt    300
tcttctacaa agatgttgga ccttctgtgg agatggtgcc ttccctc                  347

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<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

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taggcacagg agagtcacca cccagcaccc tcactgtcta ctacagtcca gagaccatcg      60
gcaagcgggt cgccttgga ctaggcttct gcctgactat ctncatcctg gccatctggg    120

```

```

ggatgaaaat ccagaaaaaa tggaagcaaa accgcagcca gcaggggctt caggaaaatt 180
ccagtggcca gagctttttt gtgaggaaca aaaaggctag gaggaccctt 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

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<210> 4169
<211> 582
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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<220>
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<222> (401)..(401)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (514)..(514)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

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<400> 4169
 ggagcctttg cactgtagat tctaaagaaa cccaagaatt ggattccagg cctccatcct 60
 gaccgttggt 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 caaagggtgtc 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 aacctaaaga 120
 gatgtatttt ctgataacta attcaactaa tgagtatggg gataacatgc agatatcaca 180
 agataatgtc acagaactgt tcagtatctc caacagcctc tctctttcat tcccggatgg 240
 tgtgtggcat atgaccgttg tgtgtgttct ggaaacggag tcaatgaaga tttcctccaa 300
 acctctcaat ttactcaag agtttccatc tcctcaaacg tattggaagg agattacagc 360
 ttcagttact gtggccctcc tccttgatgat 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>
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 <222> (309)..(309)

<223> n is a, c, g, or t

<400> 4171

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ggatgtagat atcagccacc tcggtgctca acaggtatit 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 tcaccagac ttaaagagaa	360
ctttggcagg tctgagcagc aaaatattgt tgtttccatt ttacataaag ggccctggag	420
ggctatagac tattccgctg gcagggctca tgcttgtaat gtgtccatct tgattcaccc	480
tgtgcagact cttaatatct ggccagttac caacatgttc tgtac	525

<210> 4172

<211> 59

<212> DNA

<213> Mus musculus

<400> 4172

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<210> 4173

<211> 320

<212> DNA

<213> Mus musculus

<400> 4173

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attaattgta tgtacaaggg gcaatgaatt agcaaagatg ttttgaaagc aaaatgaaac	120
aaacaaacaa gccagcacac aaaaaaagac ctgttttgct ttttgcaaag attaaagaaa	180
ggcgttcaca tttctttggg gcttttgcta aataagtgga tttagctgct tttgatcatg	240
tacaaacaca tgaattatgt atattatatt actaatgata ggaaccaatt tttatctctg	300
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<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
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 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>
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 <222> (393)..(393)
 <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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 <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> (453)..(453)
 <223> n is a, c, g, or t

<400> 4175
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caggatTTTTg 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 ttcattgcttt caagagggac 360
atgcttagaa atatgatcat aaagtcacat ctntcatant ctncccaagt gcatgacctg 420
gtttcatctg taataatatg nccacaagtt tgncaagaag ttgagtatct ggctctaaag 480
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<210> 4176
<211> 171
<212> DNA
<213> Mus musculus

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<400> 4176
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aatcttagct tgagtttaaa agtaattggc tgccattcat gcattgtttc ttttcaactg 120
aagcactgtg cctggagtat tttaagttat tgttcaggtc ctaagagtgt a 171

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<210> 4177
<211> 447
<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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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
gagtttttaa aaatggctgc acacagtaaa actgctaaaa acnaaaactt acctcattat 420

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tggtttgcat cttttttcag ctactaa

447

<210> 4178
 <211> 531
 <212> DNA
 <213> Mus musculus

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 <222> (87)..(90)
 <223> n is a, c, g, or t

<220>
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 <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

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 ctgacagcca gcctcacttt ggatgcnnnn tccaacagtg tcttcctcc ctttctcct 120
 tcctcttcct cctgtgcccc tccctgaaag ggctcaacct tgcntgcctg tcctgttcta 180
 actgtcccca gtcacatatc ccatgtgcaa cactgaccac acagtgtctg tcaccacggc 240
 cagcactgca gctcgcccca gcacaagccc ccttggtctg cttggacctg agtgtttgct 300
 cccttcctgc cactcctgga atctgcaatg tggcgccatc ttgcttgat gcagggcacc 360
 cgtttttgtg catttcgctt tgttttcng gatattcttt actcttgac atgagcacct 420
 gtacttagga acagtggaga acagtgacct gtctggcccg actcccagtc tcagaagcaa 480
 cccctccaca cagctgtggg ctcccaaag gcgtctgcac acaagcaagc a 531

<210> 4179
 <211> 269
 <212> DNA
 <213> Mus musculus

<400> 4179
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 aattgttaag gtctctgttt ttgttattta tctccctaaa tcacatggct gctgcataca 120
 ttgcaatggt gccctaccac atgtatgttt ttgcaagttg cttcttcact cattgaagaa 180
 gcctgcaccg taagtgaac tcacttagtc cttgctaatt gctgctcact gtcacgtgaa 240

cgcagagaag gctgattttc ctggaccca

269

<210> 4180
<211> 392
<212> DNA
<213> Mus musculus

<220>
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<222> (176)..(176)
<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> (191)..(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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> 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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 <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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 <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> (269)..(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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> (316)..(316)
 <223> n is a, c, g, or t

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 tggatcctgg acagcacacc cagatactaa gtctagacag ctgagctggt cgtagtttct 120
 ccctccagag caaagcctgg atacctgtgc tcccaccggc ctcagatgag ggtctnctgt 180
 ganactgtgg nntttgggna tnannancnt nttganaatn natgcanaan tgnnattann 240
 tnattntgtt ntnantggag ttgtttgttn atggtnangt ttgnanatgg nntttgtgtg 300

tgtntngagn attggnntttt 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

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agggtgtgatc actattgttg ntgggtgtgca agaggagggg tgcaggggaa agatgaatca 120
gttataactca gactgccagc aggaacagtg attaagttct gatgcttctt tcaccattta 180
gaaagttggc atctcatggt gtgtctcctg tcagcacagt gtgacaaagt gagcagccca 240
gggcatccct gaggactgag tctcctctcc atacctgtgt ctctcctttt tctcacctgt 300
accacagggg gatccaggac ttcttcatcc cttgtggaac tttagggtttc tatgggcagc 360
ttcttcctta ttgaaaaa 378

<210> 4182
<211> 389
<212> DNA
<213> Mus musculus

<400> 4182
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aggaagagat acattatgcg accctcagct ttcacgagat gaagcccatg aacctgtggg 120
ggcaacagga cactaccacg gagtactcag agataaagtt tccacaaagg accgcatggc 180
catgaccgtg gctggagaaa gcatgggtggc cccaggaggc tggctctgga gaaggaaaga 240
gtcacctagg ttgacatgtg atacacaggg cttcagagcc attccttctg tgacacaggc 300
gttctgtgct gcccatgcc 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>
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 <222> (189)..(189)
 <223> n is a, c, g, or t

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 caaagtgggtc ctagcctcna gagaggggac acctagctaa gagaatgacg acagagggttc 120
 ctgtcttcat taggcagagg caatataaga agccaacctg ggcaggcaag tcctcaaacc 180
 ccaggaagnc agtaccctgc ccctgggagg gtaccactca catggaacca gaggaagctg 240
 ctccatgcat acatagggga agtttagcagg caattctgag ctcggttcc tcccagccac 300
 cgatctgggg gcgtgggggt aggaagcaga gttgcctagt accactcaag ccaaccgtac 360
 aagctccctg ggggatccca ctggggaaac caatgctata gcttcagaga ctgtatcctc 420
 attgcagaac cgtgaagaca cctggggacc cccttttctg ctcccagcat ccaacaacca 480
 gctgggaaga 490

<210> 4184
 <211> 552
 <212> DNA
 <213> Mus musculus

<400> 4184
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 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 ttcttgaaa agcctcttca gaagtctaag 360
 tttcttcagc tcaggaagag actctgcagg agctctgtcc ttgagtggcc tgcaaatcca 420

caggctcacc catacttctg gcagtgctg 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
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aagcaagtgt tgtactcctg agtcagggttt 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

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<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>
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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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gaagtacaag ctggggggccc ctttactgt ggagagaaat gtgcctccag aggtgacagt 120
 gtatccagag aggaccccgt tgctgcagca gcacaacctg ctgctctgct ctgtgacagg 180
 cttctacccc ggggacataa ntgtcaagtg gttcncggaa tggacaggan gagangtctg 240
 gggtcattgtc cacntgncct tgtaggaat ggagactgga cttccagac aacagtaatg 300
 ctggaaatga tcccagagct tggtagacatc tacagctgcc tcgtggagca cccggcctc 360
 ctgagacctg tntctgtggc atggatggct cagtctgaat attcctggaa aaagatactg 420
 agtggagctg cagtgttcct gcttgggctg attgtcttcc tgggtgnggt tgttatccat 480
 ctcaaggctc agaaagcatc tgtggagact cagcctggca atgagagtag gtcccggatg 540
 atggagcggc taaccaagtt caaggctgga cggggacatg tcacatga 588

<210> 4187
 <211> 531
 <212> DNA
 <213> Mus musculus

<400> 4187
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 tcaccagag gaaggagAAC tgaggtctga gtacatcctg gctctagcct tcccatggcc 120
 tggcatttag ccacctaaca tccagtgatg caaatatgtc cagccgctac attccatggt 180
 gtcccacaag ggagagacag tgatgggact agcagactgt ttggttgtaa cccatccctg 240
 ctaccctgc aaaaactggg aaacactgtc tgccctctctt ttaatcctgc ctgctccagg 300
 ctaacaggcc agtaccctca ctttcgagtt tctggcaaca ctacctgagt gcctgctcag 360
 ggggttcagc ttctgacat atgtagacac caccacagct ctgagtttac acatcatcac 420

cccttgcccta agacctgaaa ccccccttta ccttcgccca ggtgtgccat ttcctgctc 480

cctcctggat ccttgggacc tgtgaaccta ctcaagtgtc 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

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tgctgctcaa gtactggggc tgttacaact agtaactatg ccaactgggt ccaagaaaaa 180

ccagatcatt tattcactgg tctnataggt ggtaccaaca accgagctcc 230

<210> 4189

<211> 306

<212> DNA

<213> Mus musculus

<400> 4189

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ccagaacgcc ctgccttcgg atctcctaga gaatgccctg tgtggtgtgg cctttggcct 120

cggtgtgcta ggcaccatca tgggcattgt cttcttcctc tgctcccaga gaccgtgctc 180

aggtgactga ttctttctcaa ggagatcttg gaacagcaca ggccaggcca gcggggatgt 240

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gggtgt 306

<210> 4190

<211> 214

<212> DNA

<213> Mus musculus

<400> 4190

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accacaacac tctggtctgc ttcggtgaca gatttctacc cagccaagat caaagtgcgc 120

tggttcagga atggccagga ggagacagtg ggggtctcat ccacacagct tattaggaat 180

ggggactgga ccttccaggt cctgggtcatg 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
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 ccaatgtcgc catctccctg tccaggacag aggccctcaa ccaccacaac actctggtct 120
 gcttcggtga cagatttcta cccagccaag atcaaagtgc gctgggttcag gaatggccag 180
 gaggagacag tgggggtctc atccacacag cttattagga atggggactg gaccttccag 240
 gtcctggtca tgctggagat gaccctcat cagggagagg tctacacctg ccatgt 296

<210> 4192
 <211> 452
 <212> DNA
 <213> Mus musculus

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 <222> (46)..(46)
 <223> n is a, c, g, or t

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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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 tcacaggagt cagaaaggac ctcgaggccc tcctcngca gggctcctgc agtgactcag 180
 agtgttttga ctcaattgac tgtctcagac tgtaagacct gaatgtntnt gntccgaatt 240
 cctgactgcc agtccacctg ccantccgan tcagagtnta gcatgggtact attgtatcca 300
 ccacntcagn tnttgtgatn tggagtcccc cagtntctgt ntgtagntnt gntccttggt 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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 actcaagtcc tgggtcccttg gagagaaagg acgcggtggt caagaagtaa tctcatcaaa 180
 atcagagtca atgagacctt acatacagaa gacatgaggt cttagattat tggagggaaa 240
 gtggaacgag tagttgagat gctgagggaa ggttgctaag agatctggca ttgcttncaa 300
 ttcttccctt atcagaacga aatatgtcct gtgttagagc tagcatgatn cgcaagccan 360
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 cccaatgtat tgttcccaaa t 441

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 aacattctag atgtgatgga tgaagaatcc tgagctggct gctaagctcc gtggatctcc 180
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 tagccttcca tgcgcctact gaatgcatga agagccctgg acatctagga atgcctttct 300
 tctctcgttc cctggcatac tgctctaagc aaagggtcaag ggatttctgt gcctagtatt 360
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 <212> DNA
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gaatcaggga agaatggtgt gcctgcttct caagtgaggg agccaggaga caaagatggc 180
ttcatggtga ggcattgagct ctcaaggcac aacctcggtc cacctttcac tggctgtgtg 240
cctttggcca agttactttg ctgctctgtg tcgtctcttc cttgaatgta aaatgagcaa 300
ggattgtgtt agaactnacc tccagttgtg ttcagacccc gatagtcccg aaatcagtct 360
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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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cctgtggggc ctggtgtctg tgagcttcct ggttctgtct tgcattccag ccctgtctgc 180
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gacattcttc tcctggtcct tctacctagg ctgggtntcc ttcattcctt tcctctttgc 360
aggcngcctg agcctgggtg ctactgtag aaccgcgcgg gctgagtatg aaaccttggtg 420
aacagcagcc aaggacagca gggtcattcag gatgtttgga ncctntcctc tcaggagcta 480
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cactgtcacc tcctcctgag catggtctgc aaggaaatgc acagtaaact caatctcagg 180
ggaccccaag gtccctggac tcacctagct gcaagaacca ctgataacca agagaggctt 240
tacaaagaaa tttcttgtgg gtcactcttc cgatcttagc tccagggaca gatgttccca 300
gacccaacag atgtaataaa ccttcaaaaa ctatctatct ctgaggacct tgagtagtct 360
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 aggccctagc tcctgctaca gacatgcgct ggttggtggc tgaggaataa caccagtgc 180
 tgcgcagaca ggctcctgtg ctgagcctgt ctgggagacg aacctatttc tagtctttaa 240
 gatctgtggc tttaaaagtc tgctcactag aaccaagg gctgaaaatg caagacgatt 300
 ctggaaccag ggtagaagag aacagaggca tcaagaacat aggggtgcaga gaccancctc 360
 ggcttcaaag aatcgtgaga atttttgntc agcttttcag cagntcattt gtgtaaattt 420
 tntcctttac tttctgtttg taaagaatga gctcttttnc caatttcac tgttggtgtg 480
 ggtcagcctg 490

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 <211> 242
 <212> DNA
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 cagaatctta catcatttgg aaaactagtc gtgacattaa tatgcaatta gctggaaagt 180
 tataagatgc accacaaaca catcttatat gcactataaa ttaccacaca aagatcatgc 240
 tt 242

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 ccgcatttcc tccatcagca gttacagcag agggaaaaga cacatgactg ttctgttcat 120
 ctctgaactc tctgactcct tcttcatgtt tgggtggagtc ccttttgcac gattgtctta 180
 aagaatatga gagaaattgt ttaatgagaa ttgttttaaat aatgagagaa aatgagacac 240
 ctatatgcct gtggggaagg cacaaaatat ggcattgttct tcaagcttct gtgtcccact 300
 tgggaagctg tgaaaggcct agtcctaagt ctgtctctgt acaaaaagca tagcttacac 360
 ataagcaagt ttcatntctt aactttgccc atctccagtt tcttggtctt tggtcacatc 420
 gtttatgtat ttgtattctt tagtcaagag aaaaaagaat ggtgagacag aaatgtaatg 480
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 <223> n is a, c, g, or t

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 atatggcctc taaacccaaa gagtcacacg ctttctttac cagagagttc acaggggttag 180
 aaccaattgt ctctgacgtc atcagaggca ttgttagaga cttcttagaa tcccagcnat 240
 aaccgatact ctgacaactc aaggnatacg tncaagggga tctaattgtnc aaattatatt 300
 ctcaatgcct atgtaacttt atagctnacc agtntcaaaa aatgcgtcca cagctgttta 360
 aagcaaata ga atattcatgt gatgctcaca atttagattg nccgagactt gataatcagg 420
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 <223> n is a, c, g, or t

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 agtgagagggc tgccacactt tccggagtga gggatgtggg gccagtgaac accctgggtg 180
 agtagtcttc ggaggcctct gaatgaacct gcttctagct tagagagatg tcccggagat 240
 tcaaggacag agcttatctc cacacttagc aagcaagcaa gagatgacan tctctctana 300
 tgctcccaca gagcnacccc tccccctccc ttntgcctnt ccaccncctt tctgagntc 360
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 <212> DNA
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 taattataca annnnnnagg gtttggatgt tttgatgtta attttcaata tgctagaatt 180
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 ggttcttgta gtgctacat caaatcctgt tgagacagt atggcacccc caatgacact 300
 tcaaccattg ctaccatcag aacaccaagg gaccaatgtt ccaggaaatg tgtacaagaa 360
 ccaccagga gaaatagtct aattttgatg tgtgtgtgtg tgtatttccc taggatatta 420
 acatttcatt gcactggctt ttgaggtgaa tattagattt actgtaagta tgtaagtcaa 480
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 <211> 345
 <212> DNA
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 <223> n is a, c, g, or t

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 gtggttgga agtaagcctt accacactag ttggaatctg taaccagcag taactccatg 180
 cacagccaag aagctttaca ttataaacag gaaggtgacc catgtggcac agaagaggtg 240

ggactcagta gagagcaggg acccccacgg gcctgntcca nccttgctc agagcaggaa 300
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 cagacatcag tgtgcagtgg cttcagagag ggcaactctt gcccgaagag aagtatgtga 240
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gc 362

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<212> DNA
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tgccaccag gaagaaagcc tatatgcttc agtggaggac atgcaaactg aggatggagt      120
ggagctgaac agctggacac cacctgagga agatccccag ggagagactt atgccaggt      180
gaaaccctcc aggctcagga aggcaggaca tgtctcacct tctgtcatgt caagggaaca      240
actgaacaca gaatatgaac aagcagaaga gggccaagga gcaaacaatc aggctgccga      300
atctggggag tcccaggatg tgacctatgc ccagcnntn cancaggaca ctcagacagg      360
gggcagctgc atntcctntn tcccagnag gggaaanccc agagganccc agtgtatatg      420
ctactctggc ggctgctnnt ccagaggctg ttccaagga catggancaa tgacccctn      480
cctgccagga tncctagcag agacctcaa gggactctgg gaa                        523

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<210> 4210
<211> 574
<212> DNA
<213> Mus musculus

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<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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<220>
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<222> (474)..(474)
<223> n is a, c, g, or t

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<400> 4210
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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 tgtttgaggt attataaata cctgttgtct tcaaagtcta ntcntcttcc      480

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ttgcaagttt gattccatat gtataatctc atgtggagca tgtctgattt gaaaaaaaaa 540

gggggactgg tcttcactgt tgttctaaac tatt 574

<210> 4211
 <211> 532
 <212> DNA
 <213> Mus musculus

<220>
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 <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

tgcccttcac ctttcagtca tgatgggact gtgcaagttt acaggccaac ccataaggac 240

taagaaagga acctggtgcc ctgggtctat ctgcagcatc tgaaatgctt ggtgcccgaga 300

tctgccttat gcttgccttc ctctgggcag aattatcctc agcccctgca tagtctcctg 360
 gcccaccca gatctggcac aggtggagat ctgagccctg cagctgcatg gggcctgtgg 420
 gtcagagcag ctctccccc tgtagcactc ctactcagaa cagagtagtc tttctcaatg 480
 tctcttgttg accaactacg taggactggg 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 acctctgac tgtctctccc agatngtaaa 180
 gctgatgggt catgaccctc attctctagc ggtgaagaca gctgcctgga gtggacttgg 240
 tgacagacaa tgtcttcnca natctcctgt gacatccaga gccctcagtt ctcttttagtc 300
 aagtgtctga tgttccctgt gagcctatgg gactcaaagt 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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 ccagggggagg gcacattaat tgggttatcta atacaaaatg ttcagcccca aaactgttaa 180
 gataaaagcc tatatgcac ttaggaagta tctaccttga tacaccttta ttggaatata 240
 atccacatgt ttattgtgtg ttctgaagag ggtctgttga atttctaagg gttgatcagt 300
 ttaattgtnc cattttatat tcagggtggt tggctttggt 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 ccaaaaatct cttatcttct ctcacaagca aaggggacat 60
 ttgtaaatgg agaatttgta gtatttaaga aaagtgagag gcatgagtgc atttgctatg 120
 gaattggaga tgatacagga aaaatggcag tgggtggttta tggacgactc accaatgtca 180
 ggtgtgaacc aggcagtaaa cttagacttg tctgctttga attgacttcc actaaagatg 240
 tgtgcctcct gaggtctgta aggcacagtt acatgcaggt catcaatgaa ggaaagccac 300
 tcaaccaga ctcagtcagg agaaactctc tggaaccata cttctgataa cctggatgcc 360
 aatgacactg tttgtggaga taagattcaa gtacagaaaa taaatgtgca caggcctggt 420
 gaaataccag tcttataaag accagctctt aattctaaga aatggtgctt tctcatattc 480
 tttatacatt ctattatcta aatttcata 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>
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 <222> (282)..(282)
 <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> (359)..(359)
 <223> n is a, c, g, or t

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 <222> (411)..(411)
 <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> (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 tgcattctggt tggtgcccatt tcatgttgnc	360
acacgaactt ttattttacag gagggaaaatg gtgtgatgaa agcaactaag ntcttacagc	420
agagggacaa tgcgactcag agagcacaaa nccgagatca atggctttgc ggntctgctg	480
tggagacaga gccatgcttc ctctgtncac ataccctaga gtactttctga gtcact	536

<210> 4216
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 4216	
aactgactca gacaacttct ccatttcctgg aggaaactgg agctgtttct gacagaagaa	60
caaccggtga ctgggacata cgaaggcaga gctcttgtag caatctatat agtcagcaaa	120
atattctttg ggaggacagt cgtcaccaaa ttgatttcca agccggtgga cctcagtttc	180
atctggctta cagctgcctg cccagtgccc ttgatctgtg ctggctccca tctataacag	240
aatcaaatta aatagacccc gagtgaaaat attaagttag 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 aaataaccgta ggtgggtcaac tattcctctt atttgtggta tttctgtggg	180
ctcagcactt atcatcttga tgagtgtcgg cttctgtatg atattaaaac acagagaaag	240
caattattat acaaagacaa gacccaaaga aggagctctt catttagaaa caccagaagt	300

atatttctatt 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 tctgatgggt cttacttcat gtacagcaag 120
ctcagagtac aaaagagcac ttgggaaaga ggaagtcttt tcgcctgctc agtgggtccac 180
gagggctctgc acaatcacct tacgactaag accatctccc ggtctctggg taaatgagct 240
cagcacacac aatgctcctg ggtcctaatt gagactggca 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
cagtgcctg caagggcgac tagtcagcat ccacagccaa aaggaaacagg acttcctgat 300
gcaacacatc aacaagaagg attcctggat tggcctccag gatctcaata tggagggaga 360
gtttgtatgg tcggacggga gccctgtggg ttatagcaac tggaatccag gggagcccaa 420
taacgggggc caggggtgagg actgtgtgat gatgcgggga tccggccagt ggaacgacgc 480
cttctgccgc agctacttgg atgcat 506

<210> 4220
<211> 546
<212> DNA
<213> Mus musculus

<400> 4220
cagatttcac tctcagtatc aacagtgtgg agcctgaaga tggttgagtg tattactgtc 60

aaaatggtca cagctttccg ctcacgttcg gtgctgggac caagctggaa ctgaaacggg	120
ctgatgctgc accaactgta tccatcttcc caccatccag taagcttggg cccggtgggg	180
gcggttcggg tggcgggggc tcgggcgggg gtggctcaga gctcggcaga tctgaggtgc	240
agcttcagga gtcaggacct agcctcgtga aacctttctca gactctgtcc ctcacctgtt	300
ctgtcactgg cgactccatc accagtgggtt actggaactg gatccggaaa ttcccagggg	360
ataaacttga ctacatggga tacataaact acagtgggtga 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 gccatttca acaatcaacc cctgtcctc	239

<210> 4222
 <211> 359
 <212> DNA
 <213> Mus musculus

<400> 4222	
ctattactgt gcaagtctcc ggcccccggt tgcttattgg ggccaaggga ctctggtcac	60
tgtctctgca ggaggaggtg gtagtggtgg tggaggatcc ggaggaggtg gttctgacat	120
cgtgatgacc cagtctccat ctccatata tgcattctta ggagagagag tcactatcac	180
ttgcaaggcg agtcaggata ttaaaagcta tttaggctgg ttccagcaga aaccagggaa	240
atctcctaag accctgatct atcgtgcaaa cagattggta gatgggggtcc catcaagggtt	300
cagtggcagt ggatctgggc aagattattc tctcaccatc agcagcctgg agtatgaag	359

<210> 4223
 <211> 330
 <212> DNA
 <213> Mus musculus

<400> 4223
 atactgctct gggtatatgg agctgatggg aacattgtaa tgaccaatc tcccaaattcc 60
 atgtccatgt cagtaggaga gagggtcacc ttgacctgca aggccagtga gaatgtgggt 120
 acttatgttt cctgggtatca acagaaacca gagcagtctc ctaaactgct gatatacggg 180
 gcatccaacc ggtacactgg ggtccccgat cgcttcacag gcagtggatc tgcaacagat 240
 ttcactctga ccatcagcag tgtgcaggct gaagaccttg cagattatca ctgtggacag 300
 gggtacagct atccgtacac gttccgaggg 330

<210> 4224
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 4224
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 ccagactcct gatttatgac acatccagcc tgtcttccgg agtccctggt 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
 ctccccaaa ccctggattt atgccacatc caacctggct tctggagtcc ctgctcgctt 120
 cagtggcagt gggctctggga cctcttactc tctcacaatc agcagagtgg aggctgaaga 180
 tgctgccact tatttctgcc atcagtggag tagtaacctg ctcacg 226

<210> 4226
 <211> 95
 <212> DNA
 <213> Mus musculus

<400> 4226
 ggcaatgtgg acatgattgg gtttcagggg ctcccagaat ctctgagag tgagtgggtg 60
 gttgctggaa tgttgtcttc acagtgatgg ttcatt 95

<210> 4227

<211> 406
 <212> DNA
 <213> Mus musculus

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 <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
 ggggtgcatga ggggctattc tttaggcttc agtggntaat ctggtgccca tggatttctt 300
 gactaccagg taaaccnaaa ctggaaaggc caagtactgt ntctgtagta cttattgagg 360
 accccatgga gattttgaaa agtgttatit cttttgtcca caagca 406

<210> 4228
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 4228
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 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 gtactttctgg agcagtgttc 60
 tatggagtgt ttacattaca caagaaaaaa gtgaaaacac agaacacaag ctatgaaata 120
 aaagatgggt caggaagtat agaagtggag gggagtggac aatggcacia catcaactgt 180
 aaggaaggag ataagctcca cctcttctgc tttcacctga aaagagaaag aggacaacca 240
 aagttagtgt gtggagacca cagtttctgc 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
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 tgggaggcct ggggaaaatg gaggactgc agccggctga gaatgtccat caactgtgaa 120
 ggaaccccag gccagcagtc acgttcaagg agctgtggcg gccgcaaatt taatgggaag 180
 ccatgtgctg gaaaactcca ggatattcga cactgctata acatccataa ctgtatcatg 240
 aaaggttcat ggtcacagtg gaggacctgg agtctgtgca caccaccatg tagtcccaac 300
 gccaccctg tccgccagcg cctctgcaca cctttgctcc ccaagtaccc gcctacagtt 360
 tcaatggtt 369

<210> 4231
 <211> 211
 <212> DNA
 <213> Mus musculus

<400> 4231
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 acattacaca agaaaaaagt gaaaacacag aacacaagct atgaaataaa agatggttca 120
 ggaagcatag aagttgtggg gaggggacaa 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

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tcaagctaga aagcactccc nccaccaga tatctaagtg tgaatctttg gacaactggt      120
gacttctggc cagcttttct ggggccggcc tctgtccagg tgtctgccca ggaccctgct      180
cagtgcctgt ctgtctcaca ccagtgaact cctcacaccc gcctgttcag gcccagtctt      240
ttccgttcaa gtgctacagg ccaagtaggc tcaaactgtg ggtttgtctt gggcatccac      300
agcagaatca gaaccagag 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

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<210> 4233

<211> 116

<212> DNA

<213> Mus musculus

<400> 4233

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tcagtgatgt caccaccttc caagaattac caggagctgc atacatcaca gatgcaactt      60
gagaataaaa tgcatgcaag gttttttgca tgagtctata tcacagtgtt ggggtgt      116

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<210> 4234

<211> 208

<212> DNA

<213> Mus musculus

<400> 4234

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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

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<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
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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

<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

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atctggaggt gcctcagtcg tgtgcttctt gaacaacttc taccctaaag 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>
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<223> n is a, c, g, or t

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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> 4236

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agtggatcag ggacagattt cacttgaaa atcagcagag tggaggctga ggatttgga	120
gtttattatt gctggcaagg tacacatttt cctnngacgt tcggtggagg naccaagctg	180
nanatcnaac gggctgatgc tgcaccaact gtatccatct tcccaccatc cagtgcagcag	240
ttaacatctg gaggtgcctc agtcgtgtgc ttcttgaaca acttctaccc caaagacatc	300
aatgtcaagt ggaagattga tggcagtgaa cgacaaaatg gcgtcctgaa cagtggactg	360
atcaggacag caaagacagg caccctacag acatgcagcag caccctcacg tggaaccaag	420
ggacgagtat gaacgcata acagctatac cctgggaggg cactcaccaa	470

<210> 4237

<211> 454

<212> DNA

<213> Mus musculus

<400> 4237

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ttggttaagc tgggtaccagc agaaaccagg aaaaattcct aaattattga tctataaggc	120
ttccaacttg cacacaggcg tcccatcaag gtttagtgcc agtggatctg gaacagggtt	180
cacattaacc atcagcagcc tgcagcctga agacattgcc acttactact gtcaacaggg	240
tcaaagttat cctctcacgt tcggtgctgg gaccaagctg gagctgaaac gggctgatgc	300
tgcaccaact gtatccatct tcccaccatc cagtgcagcag 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 cagcagtggg gtggttaccc attca 225

<210> 4239
 <211> 252
 <212> DNA
 <213> Mus musculus

<400> 4239
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 atggaaacac ctatttagaa tggtaacctgc agaaaccagg ccagtctcca aagctcctga 120
 tctacaaagt ttccaaccga ttttctgggg tcccagacag gttcagtggc agtggatcag 180
 ggacagattt cacactcaag atcagcagag tggaggctga ggatctggga gtttattact 240
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<210> 4240
 <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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<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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<223> n is a, c, g, or t

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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> (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 tctttagtg tgtctacacc 240

gttcccaacc accactggac aatcgaattg gggagctggg gggcatgctg gctgcacact 300

gccagggaga gggacgaact ctggagggtcc gtntctctga ctgcatccca ctganccagc 360

gtggtncccg gcnccctcatt tntctgtggag cccaggccag agcancctga nccagatttc 420


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caaagcanc cc gtagcacctt taccctcctc tgnccaagcc actgagcaag nccaaaccag      480
tttaacctgg tttccacgct gttctaaata cctgntcttg actgcactaa aggccaggac      540
tt                                                                    542

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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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<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

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<220>
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<222> (497)..(497)
<223> n is a, c, g, or t

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<220>
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<222> (506)..(506)
<223> n is a, c, g, or t

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<400> 4241
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cgaggagcac gagagcctgg agcaggagaa ctctgtgctg cgcagggaga tttcgaagct      120
gaaggaggag ctgcgtcacc tgagcgaggt gctgaaggag cacgagaaga tgtgcccgtt      180
gctgctgtgt cctatgaact ttgtgcagct tcggtcagac cccgtggcca gctgtctacc      240

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```

acgatgacac cccagctcac tcctcctttg tccggctcgg aaccttggtt tgcacactca    300
ggagtttccc tacacacctg tgtccagggg tacatgtggc tntgcccttn ccagggagct    360
ctggggccag cctggggtca gcatcgtgct ctggggcatc tgacttccgg cccctncctt    420
ccggccccag gacagaggat ccagaggccc cagcaagaag nccctttgan tcgttcctct    480
ctcactttgg cagctanccg gtgctntcct ttggcaggat cttttcgtct agaactt      537

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<210> 4242
<211> 323
<212> DNA
<213> Mus musculus

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<400> 4242
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tcactgttct tcacttccat aagagaggta cagcaaagaa cttctcctgg tattcctgct    120
ggtccttcct gctggcccta gctgaggcct ggctgtctct gctaggtcct atcacttctg    180
ttgctaacct gactctactg aactgaacaa ctgctatata cctgaggtgt tttcaagtgg    240
atggagctgc cactgctgac ctgtgaattg aactgccaac gtccagacaa ctcacatgag    300
agttgctccc aagtgtagtc tcc                                             323

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<210> 4243
<211> 543
<212> DNA
<213> Mus musculus

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<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

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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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<220>

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 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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 cccagactt ccatctgccc 300
 aagctcagaa accaagcaag caaanggatc accactgagg ncccgagatt ntcacagac 360
 aaacagcttc cggcagagct ntnaacggct tttnaacgaa gaagaggcta aagcagaggg 420
 aggaccacg 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>
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 <222> (51)..(51)
 <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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 <222> (336)..(336)
 <223> n is a, c, g, or t

<400> 4244
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 catcacaata atatgtgtgg gtgcaatgtg aactgtattc tggatgtgtt tgtataaaat 120
 accaattaga tattagttcc aatatttaca tttcagcaag acttttataaa gttcctttca 180
 ttttaaagtg aaaattgttc gctgggcttc ttgcaacaca tcctttcaac tgtgaagtcc 240
 cactgtacat atctgtatatt ttgtaaatgt tatatatatg catatatccc tcatttttaa 300
 agtatgttgt acagtnatag tatgtatagg ctacantctt tgttaaattgg ttgaaatgtc 360
 tctttttagt 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>
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 <222> (83)..(84)
 <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> 4245
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 atgctagaga tgcaggcagt ggnnggacag aggcaggagc tggaggcgac atcttagtga 120
 tgatgtcttc ccgggcgagc agccttgtgc tgcctctctc ctccgggtag ccacgttctg 180
 tcttgtccac tcatgggtga agagtatttg gtgtgtctgc cactatgggg tcataaatgc 240
 acacgggagg tgctagctcc cccactagcc acggtgcctc tgtagatcca cgagacagct 300
 agggntcccc ctcccctttg tgtgccaga ctcaagggtta agaagtggaa agttttctgc 360
 gaatattttt gtatttttgc cagtctatat tttttaaatc attatggttt atttgtggagt 420
 tttgtagtcc taattttgta ccatgggatg tgggaaacaa atctgacca ttttctgcct 480

ttgatgctgt tttccttggt agtacctgtg tcgtttacga ga 522

<210> 4246
 <211> 505
 <212> DNA
 <213> Mus musculus

<400> 4246
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 aaccctctat gaacaatgta cctacaaacc aactgacaac ctagaacgct caagtgcac 120
 aggcttcagg tatatgtttc caacatggac gtagattatt ctttttagcaa ttcttttagtg 180
 atatatatcc cagaacacac cttgatgcta caagagatag cctaattccag cctagacttg 240
 tttgagtgca taaatgagac aaactgtctc ctatttgcca ttttatgcct atatattatt 300
 gtatgtgcta ctgattaaca ttagatgacc tatgcaataa acaaaatcct atggtaccca 360
 agttggctcag tcaacctcct acttctcttg aagtccataa tgtcaacacc acagtaattg 420
 ctatgcttcc gtatcttcat ttatgtggcc tgttattctc cttgacttca tatttcttcc 480
 taacctgcga tattccacgg cttaa 505

<210> 4247
 <211> 531
 <212> DNA
 <213> Mus musculus

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 <222> (231)..(231)
 <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> (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> (373)..(373)
 <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> (388)..(388)
 <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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 <222> (423)..(423)
 <223> n is a, c, g, or t

<220>
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 <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 tcnctgtgtn tccatggntc ttacctcacc acgtntcttg cctcagcacg 420
 tngnctctgta tcaacnncca tcattctgcc aattggctcg agtctgcaga agtggcaaaa 480
 agcatcaggc acaccacctt tgatgtgtct atctctatgg agtccttaca a 531

<210> 4248
 <211> 348
 <212> DNA
 <213> Mus musculus

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<400> 4248
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gcatgagtgc acatgcatac ctactcagat gcacataaat ttacagcaga gccttaggtg      180
acaggaatgg ggactgtggt catttgaata agaaccccat aggctcatat agttgaatgc      240
ttagtcacca gggagtgga cttctttaaca ggatcagaaa gattcagagg caagtccttg      300
ttgtaggaag tgtgtgtcac tggagcacgg gtaggctttc aggtttca      348

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<210> 4249
<211> 153
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 4249
aagctatatg tgcattctgct aaaagcaaaa acccaccaaa agtcaccagc ccatttcng      60
ggcaccngtc catccccag ggcactagcc caaccctgg ggcgttttagc ctatccctag      120
ggtgcatgag atttgtgggt gtagctacca gtc      153

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<210> 4250
<211> 562
<212> DNA
<213> Mus musculus

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<220>
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<222> (82)..(82)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<222> (359)..(360)
 <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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 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
 atcagtgcc aacgcttcac cctctgctga cagcagactt ggggtgtntct tgcagtatnn 360
 tggggagaaa gaaggaagga agagggaccc cggaggctct ggctacctgc tggggaaggt 420
 gggcacactt aggtttccaa aagctgaatt tagagagcac aggatggagg ggaggaggag 480
 aggaaactcg ggccccaaat ntnttaataa aaaatgcatt gaatcccatc aagggtttctg 540
 tagactgtca cagagcctaa at 562

<210> 4251
 <211> 167
 <212> DNA
 <213> Mus musculus

<400> 4251
 ggggtttcctg aaagtttaca ttgcagtagc attgtggggg gaggggggatg gctccccag 60
 gctctatccc cagccccacc cactcatgac tctaagtttg ttgtattaat atttatttat 120
 ttggagatgt tatttattag atgatattta ttgcagaatt tctattc 167

<210> 4252
 <211> 271
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (58)..(58)

<223> n is a, c, g, or t

<400> 4252

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gggttttatgc tggaggtggc ctagacacca caagatgtaa ttctaaaaga gaagggcagg      120
gacagaccag acccagcagt caccaagaca gttggtggca caggggtggaa aacaaaagcc      180
atgttgagca ttagtacctt gctttgaatt ttcttgccag catcttggtg cctcctctct      240
gccccctttc ccagggtatc tgtggttgcc t                                     271
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<210> 4253

<211> 312

<212> DNA

<213> Mus musculus

<220>

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<222> (231)..(231)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (263)..(263)

<223> n is a, c, g, or t

<400> 4253

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tttttgtgtc tgggtgccaga actgggtttgg aagctgttaa catggctgtt ttgcttgctg      120
cacaattcgg ttccatctg tgcttattta cagacaaaat tcaatgttgg gagatgcttc      180
tcaaggttca atctcagacc ttttactttc gttgggttgg ttttggtgcc nccgaacggt      240
gtcagggtgag caccgtgagt ccnctcttct ccccttggtg tttcccctcg tctctgcgga      300
tactgtacag ca                                                         312
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<210> 4254

<211> 578

<212> DNA

<213> Mus musculus

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<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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 <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> (313)..(313)
 <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> (329)..(329)
 <223> n is a, c, g, or t

<220>
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 <222> (334)..(335)
 <223> n is a, c, g, or t

<220>
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 <222> (387)..(387)
 <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> (429)..(429)
 <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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 <222> (519)..(519)
 <223> n is a, c, g, or t

<220>
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 <222> (550)..(550)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (552)..(552)
 <223> n is a, c, g, or t

<400> 4254
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 ccctctctct gcctgatcgt ccagtcgtg taggagtttt cctggaccag gaagtttgca 120
 ctctctcatt ttatgatgtt tctaactctg gagctctnca tctatagant tctatgaccc 180
 ttccctccct gttgaagtct atccatattt taatcctatg gaatgttcag agccaatgac 240
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 ctgcatcatt ctnacttttt tntcttggn cctnnattgt aatgaccttc acttctaadc 360
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ggagtcaggc ttcaagaana gaaaaacgaa agtgantctc agcacactga gcaggaagcc	180
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gtgagaggca gggagncaaa ggattaacac tggagaacat gggaagggtg tgtccactnt	360
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tgggacaggt ggcccccttc taagctcaca ggagtggcca ccactcttga ccttcactct	180
gtctatagtc ccgcctcatc ctggatcttg tactgagcgg cagctaaaag tgttctaccc	240
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 catgggaata tagagaagag aaattacccc cctccagttg aaattgcagt acaaaatcca 180
 ctttttttgt ttttatttct ctttaaattc tgttctaggc aacagaaaga aattcctggg 240
 ctagaatgca aaatgacttt gtcattggcta aagaaaacat agttataggg aaattctggg 300
 tataaccctg tatgcattta ttacactcg aacagttcca ttagtttaac taagtatcaa 360
 accagcttgc aaaactatgc ctgtatatgc atagtcacaga aagagctgga attattgcgg 420
 tggttgaata tagcgcaggt gaatagctca ctttcatttg tcagcaacct tcgtggtacc 480
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 ncctcncn atgtgtgtgt gtgcacagag actgtctgac tttgntccct ttcccccttc 480
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 ttcaggcact gtggggcatt ggtgaggcca tatggagaac gaacacctat agaactgttg 240
 aacaaccatg caagtcttcc ctgtccttgg ctatcactgg ctaccttttt aagtgtatac 300
 cagagccgta cactccaatg gttagtaagt cataacttct cttcagattt ttttcccaat 360
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ttttacctgt caagttacac atgaagggga cactgtggag aagagtctgt ctctgcaga 180
atgtct 186

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<212> DNA
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agtttggaga ggaccagatc tatgaagcct accgccaagg ccaagcgaat ctggaggcgc 180
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tcgaaagtgc tgcatttaag tcctgagcct ttttgtgctt gaccctccta tataatTTTT 420
tcaactgtgg tgggtggggag gggacagggg agcctgactc tagctgtcaa tcttctccct 480
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cttgctatct aantctccat ttntcctgt gtccaatagt agttgctnca aaacctacct 180

ccanctncc ttgtgtgtat gtaacaaatc atntcctncc ctgggancaa agtgctgtgc 240

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 ccagcctcag cgtccccgc ttctccgcag gtacttgaag ctctttggcc ccacacccca 180
 tctctgaaga tgagctgtga atacgtgagc ttgggctacc agcctgtgt caacctggaa 240
 gaccctgatt cagatgatta catcaatatt cctgacccat ntcantccc tagctatgcc 300
 ccagggccca gatnttcatg ccaatgagtt ctgcctgttt gctgatgtnt agcacgtttt 360
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ttgtttgttt gttgtttttt gacagggdct gatttggdca gggdgggctc agcgdgcgta    180
tgtaaccaag agtggttatc aactcttatt aaatcctgdt atcatctctt anannnnnan    240
nnntgctcag tccctagctt ccctaccctc ctactgtgtg aggttcatgt tcccaaagca    300
ggaaaggggg agggdactg ggggcccagga ggctggagag attntgagga ctcacaatca    360
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gtcgtcacia gctcttctcc ctacatgccat ctgttgacgc taacagaagg agaggtgaca    180
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 catggtgaga gataagatag gctgtcgggt caacagctga ctactgtgct ntntntntnt 180
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 tatccatgaa ctttgttaata atcagtgttt nttnttctgt ggggtgataaa ggaaaaggaa 480
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 tccacacagt tctcaaggag tccctgatgg ttgacacgt gtaccctaaa catgtctgta 360
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 agacctaaat ggtaaagtag ttaagggagc ctccaaaaga aagcagatgc tctccttaaa 360
 aataatcctg ggggtagggg gtgttaaata tgtgtgccac caagcttgat gaactcttag 420
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 gacctcagct agtcagtcac cagagaactt taaaacacta ttgnnnnnng ntttaantaga 120
 cccctacaaa acaggggaat ctttgctgtt gttttgacct taaattgaat attgacctgc 180
 ctctcccttc tgagtactag gattgtagggc atatgtcacc acacctcacc taatgtaaaa 240
 tatttagatt tcagagagga ggggagcatc atgctgggat tgaacccagg gtctcataca 300
 agttatgggtt ggtgttagct ctctaccact aagtt 335

<210> 4272
 <211> 509
 <212> DNA
 <213> Mus musculus

<400> 4272
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 tcttttaaaa acgttgtgtg tacatgtata tttgggtatg catgtatgtg tgtatatggt 120
 gtatgtgcgt ggtgtacaca catgtgtatg caggagccag aagagaaagt caggcacctt 180
 tttctattgc actccacttt attctgttaa gggaagggtct ctcatgaac ctggagctct 240
 gctagcaagc agcaagccag cgatggatcc tcccatccct gacccccaca ttgctagact 300
 atatttgctc atgcccagct tttacaagg atgtggagaa ctgaaattca ggtcctcatg 360
 attgcataac aagcactctc acttactaag catgtttctaa tatgttttac aatgaaagac 420
 gctgctcaag atttcacctc aatgaatgat caattctgtt tgtaccttgt ttgccaatca 480
 catagcattt atgctcttat tctactta 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
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 tttatgttct ttctggttcc ttctgtgtct aaagccttga gtgagagact tggagttttc 120
 tagaacacat gatctctcta cagagttcag tcttgatgtg ttctatggac ctggagtcaa 180
 tggacattgt atcatttctt cacctatttg tgctctgtca ggcactccat gatccaccaa 240
 gtcatgaact ggatctggtc tgcctatcc cctggcctca ctacatgat ggcagacata 300
 gaatgtggca gatcaaagt cccttgggtct ctgttcattg cagcaaagaa aaccactaac 360
 atcttgagtg tgttgacgtg 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
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 gtctttctcag tgtatgcaag gggctgcggc cctcctctc ctccccagct gaacaatacg 120
 gacagttttc acacatatct acctgtataa cctccgtac ctctcataac tgggtcaacga 180
 ctgtaacagg ttnacatcag gtgtttttct acatactttt tacacagatt ctatgcgatt 240
 aantgtaact taattcagcg catcattgta caagttctta cgcttggcct ttttttttc 300
 ctaagtgatt gtgggttttc ttgtgggttt ttcttgtggt ttttcttgta aagatattga 360
 gatggctgtt gatgcttatt ctctgtaact aagaattttt acctttttgg gaaaaagcat 420
 tgctatggat taatgaattg agacttcatt tactcgttgt aaatacacta ttgtgcaaaa 480
 aaaaaaann 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
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 tgccggttatt atcttacttc ttcttggttaa gtctgtgacc cgatgcttct ctccggttag 120
 ttatctgcag ttaaaattct gggaaatcta ttgggaaaag gagaagcaga ttcttcaaaa 180
 tcaagctgca gagaatgcga cacagttggc cgaagagaat gttagatggt tctttgagtg 240
 ctcgaagccg aaggaatgca acactccaag cagtaaagac tggcaggaaa tctcagcggt 300
 gtacacattc aatcccaaga accagttnta cagcatgctg cacaagtatg tnagcagaga 360
 agaaatgagc ggcagtnctc nctctgtgga aggagatgca gtgatccctg cccttggttt 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
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 tgggagtaga gagaaagata tgaaccaata gggagagtca ggccattcta ctggtattca 120
 tccaactgtc atttgaaggg aggaggcatg aattcagaga cctattctcc tatgatgatg 180
 gtggctaaca cttctagttc cagtctgtaa gctgaaaaag aagaacacat ttattttactg 240
 acagaaatga tctgctccag ccaaactttg aactgaattc taagaaangn tntacatgat 300
 aatacatatc ctgcttagna tccatttntt ctttggctta aanacctata caaatagatn 360
 ttatgtgcat agacaataac ttgttttttt tttntnaat tgcagcattt tcatcaccac 420
 tagtaccagc atcacntct 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

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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 tacatttggt    300
tggtataatt aatgagtcaa ttttaactat ttgtggcaaa gtttgatctc agttacaagg    360
actctgaaaa caccgtgttc taacaaaagt ggtaatgagt ctgtttgttg ctacaagaat    420
ccttctccag t                                                            431

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<210> 4278
<211> 430
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (273)..(274)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

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<400> 4278
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tatacttctt tgcatgcaaa ggggtataaga gaaagggtcat gaagatgctc aaacgtcaag    120
tgagtgtgtc gatctccagc gcagtggagg cagcccctga agagaattcg cgggaaatga    180
cagagtctca gatgatgatc cactccaagg cctccaatgg aaggtaaagg cacttggggac    240
ttcacagcac agcaagctgc gggatgggcc ccnncccacc gactggtcgg ctcccaacca    300

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ggatnccttc cactnccncc ccaccggccn atgcactgag atccagacca gatcgaggag      360
acaaaaaagc aagttcaact tcataaatga aatataatgt atataaagga aggctctcat      420
aagttctcaat                                                                430

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<210> 4279
<211> 376
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

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<400> 4279
gtgtggttca tgcattgtct ttgatatccn agncggagct cagcttanan ctttccaagc      60
gccagngcac agcgttntag ggaatggtgc tccttggtcg ggtgagctgc caggcaagtt      120
taaatatgct gtgtgtgccca cattttttaa ttttgtcaag gtttaccac acacacacca      180
atcaaaacct tattggtctg gaagttggga ttccgttttt ggtagatcgt ggtagatctg      240

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gtactcctaa ctccctggtc ctcaggcggc tcctctgtna aatgagaaaa tgtatatattt 300
 tttacttcat gagatctttg ctggaaatta atgagaaggg tcagtgtttg tgacttatgg 360
 gcttatattta 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
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 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 cccctctggt 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 aagttaaagt cagaatagca aaattaagga cccaaactat ataggttatt 120


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cttcctattc ttcctccttc aactaagaac gttttgcata ttgctcttt aaatgaccat 180
cttctgtctg cctttctcac attcagagcc ataatgttct tgtgatgcca tgttttcaga 240
tagcttcttt tatttactgc ctatttgcac gtacctttga aatgtacttt tattcgagc 300
tttcgttagt tgatgggtgt ttgtatttgg gtgataagca agcactctac cagtgcctaa 360
gtcttcagcc ctctacacgg attcctgaag tcatgttaat tctatcaatt aatgacgtgc 420
acagtaatat ttcagaacat ggatgcctcg cacattg 457

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<210> 4282
<211> 307
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

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<400> 4282
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tcttagggaa gcactggcca aaggaagggg actcctagag ttgtaacctt cctcacagaa 120
gacaagaaaa tgagttgggg tatcagcctc aggctagaca gagagccaga acctcttcac 180
agattcccag atcaccggag aagtcactat tgaatccgga caccantca ggcacaagag 240
gtctacattc tctaactcct ttccagtgtc tccccaacgg tcacttactt ccagactgcg 300
tgtttta 307

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<210> 4283
<211> 546
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (259)..(259)

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<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 tgtagctct caggccaact gaagaaagtt agcgacacta tggtatgggg 60

atgttgggga taaaanggca catagcactt agagtggaag catgacgtga tagaaagtaa 120

tcagggtcac aaactccagc tggctaccaa gcagctgtgg ccccgggcag gccaaaagga 180

ggatcaggct ggggtagtgg gagatttcca gcttgagaag agctggtgag ggtgtagaac 240

gacaggagcc ctnttgatnc tgggtgatta cagatcagat acctnccnnt tgganccntc 300

catctcacc cttaggatgtg aaactacttt caatgtgtac aaataagtta gtctattgta 360

gataaggagg ggcaggttcc ctttaagctg tttttacttt attaacctga gtgatatatg 420

gtcactttct ttttttttaa acttttgatt ctctgtgaat ttcacatcat gtacccaat 480

ctcattcatc tccccatncc tttctatctg cctccaccc 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
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 agctcacctt cttggtttgc tctagatttc ctaaaatgag ggggaaacta acttaaaggc 120
 taacacgggg agccaagaaa ggctgtgtgc tgcggaccac aaaccgagaa agtccagaag 180
 ttaaaggggg gaaaaaagtg ttttaaaca gaccaaacc tcccaaact gacccttcat 240
 gcacatcatg ctgacttcat gcacatcaga gctgaccacc aggggtcagt attgtgctgg 300
 ttaccagct gatgcaattt catctgcaca aagtctgctt atacaaagag gnatggttgg 360
 ctgatgggag ganccgggga gaatccctta gggaacaaaa agaatgtcac atctgtaaaa 420
 caagaagagt ccagagtgaac gttcaggaga gcctggatac tgnccatcgc 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
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 ctaagctgaa gcccaaggtc aaggagaagt ccatacggat catcatgacc ctcctgctgc 120
 aggtgctcgt ntgcttcgtg cccttcaca 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

tacggctact tagcaacatg aacagtgaga tgctttgagt cagagcaagc tgccagtctt 420
 cagtctctttt aaaattcttt tcctatctac tttcgggtga accagcattc tacactatcc 480
 agtcctttct 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
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 caacttgacn acgagctggg gtcattctaa agagggaacc tcgattgagg aaacacctca 120
 gtgggttaaga gcaccagctg cttttctgag gactgggtgtt cgatttccag catccacatt 180
 tgccctgtaac 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 ttattatttt ctgcatgctt aggatcatca 60
 tgcaattctg gtaattgttg gagttcatag gcatcatatc tgtgtatggc tgttggttag 120
 ctccctcctt tggattcata catggcacct aaattgatat aatttacttt caaaatgttc 180
 tgaccataga tttcttgcac tcctttcttc cttgtttttg gttttgttca agaagaactg 240
 gttaatatct cataagtggg ctatgtgaaa gcaaagctcc ttgctgttgt taccgattgg 300
 cctctgagac tgaatcagat aaaaacaaag ctcaagaact ggtaggatgt tttgaagttt 360
 ctgtttaacc agagccatct ccaaacttga tctcaatggg gctgcaattg cagattaaag 420
 gaaagagaga tcaaactagg aacctacaag atagttcact agcctaagat ctttacttgg 480
 agtaattaaa tattgttttg ttctggctcc caccctggct tctgggatgt gccccagatc 540
 actgtggttt a 551

<210> 4288
 <211> 462
 <212> DNA
 <213> Mus musculus

<400> 4288
 gaacagcgta tgtaccacac agtgattatt ctgatatatt ttgatgcttt aaaaccacaca 60
 ttttttcctc taaattatta cctgaaatta ctatttatga ttcaaaccat ctgccctaac 120
 tattcatata tacaacagtg gtgttggagc cgggcatagt aggtacacac ctgtaatccc 180
 aacactctgg aagcttagga cttcagggtt atcctctcct acatagtga tcccaactaa 240
 aggctagcct aggctgcatg agagctttct tcaaaagtca aacaaacaaa caagggtttaa 300
 aactcaatga ataaatccag taatgaaaat atcttttcac attgtgtggt aatgggtgttt 360
 tcccttaata acaatgaaag gtttggcttt gatggcctga cttactgctc aaggagaaaa 420
 accagcttga cagaatgaca ttgtcttcaa gtgtgtttac ct 462

<210> 4289
 <211> 513
 <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> (84)..(84)
 <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> (161)..(161)
 <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> (251)..(251)
 <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> (338)..(338)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (341)..(341)
 <223> n is a, c, g, or t

<400> 4289
 actgagcatg cttcattcaa tacagcatca ttttgtcttt gtagaagata tttcttatta 60
 accttttatt gtttgagaat ntntacatg agtattatgt gttttgatca aatccacccc 120
 cattcactcc cttctaattt ttcctttctc ctnatcacat ntacctcca acttcatatg 180
 cgttttngct ttaattcact aagtcaatgt agttctgcta ggattacatg ggggcaggtc 240
 catctgccct naggagcaca ttcttgaaga acatggantt tccctctgcc tcagccgtca 300
 actntcctc agctaagggtt gacacttcac aaatcccncc nacctatgct gggagtgtgg 360
 aatgcttgat cttggacatt tagaagcggt ctaactgact tttagcttgt ttgcaataa 420
 attacagttt agttggtagt ggattttctg gtgtattttc attgtctgaa gggatactat 480
 tttgtcttga atggtctcaa catttgttct aca 513

<210> 4290
 <211> 114
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<400> 4290
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<210> 4291
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 4291
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 ctcccattct gtgtattata tcccagacta acttacttaa cttttttgag 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 aattgtttta gtttagagat tcattgcaat cctaaaacta 360
 gaaatatgac ttaatgtctc aatgtccttg gggataagat attgtgtcaa gatgaaagaa 420
 atgtgtgaca attcagaaat actttacaaa tgattacttg gtttgtttgt ttcattgggat 480
 cacagcaaca tca 493

<210> 4292
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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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 cccaccaca cccatcctgg aggacagtgg ataaagacct ggagtggcct ccctgggcca 180
 agggatatgaa cgcttctggc tttgtaactt atgtattcaa caaagcatca tagatggtgt 240
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<210> 4293
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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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 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


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ataacacact gatgaaaaac ttacaatccc tatcatagcc catcatgaag ggacatcagg 360
caggaacaga agcagaggcc aactgctta ctgacctata ccttacggct tgctcaacca 420
gtgtttttat acaatccaag acttccagcc caggggtggc antgcccattg gcagactgga 480
cccgcacaca tcaaccatga gaatatgtct ccacagattg gcttttaggc aacctgatgg 540
agacatttcc tgaggtgagg tttc 564

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<210> 4294
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<212> DNA
<213> Mus musculus

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tgaacgagggc tctccaggtc caaaagggggc cccgggtgct cctggaatcc ccgggctgcc 120
tgggccagct gctgagaagg gagaaaaggg ggctgcaggt cgtgatggaa catctggctg 180
gacaatgtga attgtcgggg cacagagaac agtttgtggg actgcagtaa gaact 235

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<210> 4295
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
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 <222> (189)..(189)
 <223> n is a, c, g, or t

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 ttttttgttt ttttgagaca gggttttctt 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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 <222> (52)..(52)
 <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

<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

<400> 4297
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 tcactgagaa gacactgggt agaacattgc ttttggggtgg ggaattccag gaaagaggag 120
 attataactg aggttgctat agaatgtcaa ggacagatgg ggagaaggta tgaatcaata 180
 tatgtcaact gcacagatgg tatagccaca cagtgtccac atcccagttt tctatcccct 240
 gaatctgaaa ttaataatgc cttcattata ggcaggagct gccaaagtagc tgagaggggc 300
 ccagcaaagc tctgagagcc gcattgggtgt 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
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 gggagcttaa gtagatggcg agagggagaa ggaacatttg ttttgttagc tgtatacaat 120
 cacagtgggc 130

<210> 4299
 <211> 70
 <212> DNA
 <213> Mus musculus

<400> 4299
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 ctaccttata 70

<210> 4300
 <211> 76
 <212> DNA
 <213> Mus musculus

<400> 4300
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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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ntnnnnnnnn nnnnnnnnnt nnnnnnnann gnattgtaga cacaggcacc tctctgctcg 120

tcatgcctgc ccagtacctg aatgaacttc tgcagaccat aggagcccag gaaggagagt 180

atggacagta ttttgtgagc tgcgacagcg tcagtagcct gcctaccctc acttttgtcc 240

tcaatggtgt ccagttcccc ctgtcacctt 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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<222> (179)..(179)

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aaaatttcct ctgacttcta ctttgaacaa agcccttggc atatccactg aaggttgcac 120
 agctcctgac gtgccttccg agccagtga c 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 ttcttcatta 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

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 <222> (165)..(165)
 <223> n is a, c, g, or t

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 acaccagtga aggtggccgc tggggacaag agcaacgaga aaatcacatg tgcttcagtc 120
 caggggtcaga ggtcaagatc accatcacct tccnaagata aaganttcaa ggtgacgttg 180
 cctgacggac accagctgac ctt 203

<210> 4305
 <211> 561
 <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> (534)..(534)

<223> n is a, c, g, or t

<400> 4305

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tccccaagaa catgcaagtc agcatcgtgt gcaagatcct ggcagaccac gtgaccttca 120

acaacccccca tgacccttac gaagggaagg tggagtttaa acttacaata cagaagtaaa 180

acgtgggagt ggtgtccacc cctcagatgg gtggacacgg atggacactc ttcctgactg 240

cacagcctct gctggccagc atgcacggcc acttccatca tggcccagag ctgacaccag 300

gaagtgnbcc agcccagcan tccccgagta tcaccaaccc tcangtgagc gcaatcctat 360

nggagntgtg ggggttaacac ggggacccag agtccggctg ccantaagga aggcctatnt 420

gtccacattt ntgtcctgtg atcatttgcc cgtcctgcac ttcaatatga actatgggtc 480

cacatcaggg taacactggt caccctggca tgacacatnt ccagttngtg cttntgagac 540

cacagtcctt atgcatcaa a 561

<210> 4306

<211> 348

<212> DNA

<213> Mus musculus

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 <223> n is a, c, g, or t

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 <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 nagaagaggaa      120
tccaagaagc caccagctaa actgcagcca cgantctctg aaggctggct ccaccagag      180
gacagaggac aagcagaaga nacagaggag gagctggana tcaggttcaa tgntcccttc      240
gatnttggca tcaagctngt caggagntca gtatcagcag catggccggg ccctgggggaa      300
gtttnttcag gatntcntnt gggaagaggt caaagaggcg ccagctga      348

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<210> 4307
<211> 567
<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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<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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 accccggtcc ccacttcagt atctaacatt accgtcatat ataccataaa caaccagctg 120
 agagggggttg atcngctttt caatgtgacc atcgagggtta gtgtgaaaag tggatctgtg 180
 ctacttgctg tcctngaaga agcacagcgc aaaaactcca tgttcaaatt tgaaaccacc 240
 atgacatcct ggggccttat tgtctcttct atcaanaata tcgctgagaa tgttaatcac 300
 aagacatact gggagtttct tagtggtgcaa acgccttttg atgaaggggt tgcttactat 360
 atccccttca atnatgagca catcacagcc aanttcaccc aatactgaga cggagtnntnt 420
 tntntcccat gtgacaaaag gatgggtttgg gttgttttgt tttgtttttc atntcatttc 480
 aaatntgtgc caagaaaagc agatattaac aatgctactn tnttcctgag ccactgtgtg 540
 gaataaatga tgcaggtgct caccatt 567

<210> 4308

<211> 557
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (146)..(147)
 <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> (362)..(362)
 <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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 ggtttgacca tgtgaaagga tgggtgggaaa ttcgagacaa atatcagatt ctcttcctct 120
 tctatgaaga tatgaagagg aaccnnagc atgaaatcca gaaggatgat cagtttatgg 180
 gcaagaatth ggatgaagat gtggtggata aaatagtcct ggagacatca tttgagaaaa 240
 tgaaagagaa tcctatgaca aatcgttcta cgcccccaa 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

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 <222> (280)..(280)
 <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> (316)..(316)
 <223> n is a, c, g, or t

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 ctattttgct tataaattat acagggcaat ccatgatattt ggcttccata acaaaactgt 120
 catcaggatt ctcatcgcca gaagtgaaat agacctaattg accataagga aacgttacia 180
 agagagattt ggaaaatccc tctttcatga tatcaaaaat tttgcttcag ggcactatga 240
 gaaagcacta cttgccatct gtgctggtga tgtggaagan tantgaaaag agggagagtt 300
 tgaagggtgat gcgatnttct ttataggcac cgcacataga ctgctgaacg cgtgctgtat 360
 t 361

<210> 4310
 <211> 383
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (282)..(282)
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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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 gacaaccagc agaacacggc caccatcaac atccactcag gctcgtgctc ctccaccacg 120
 atttttgact ataagcatgg ttacatcgca tcccgggtgc tctcccggag agcctgttac 180
 gtcacatcaaga tggaccacaa agccatccct gctctggaca aactccaacg gttcctctac 240
 gagaagcaga caatgaatgc tatcgactcc ccagagtata cntgggtcag gtacaacnt 300
 ntgaagtntc tgatcacgaa ggtggactgg ttcctgtttg ggtngcctat tngacagcta 360
 tgcaagcaca tgcccctgta tga 383

<210> 4311
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<220>
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 <223> n is a, c, g, or t

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 caactacatc gccaccaa atgacctcta tgggaaggac atgaaggaga gagccctgat 120
 tgacatgtat acagaaggta ttttagatct gactgaaatg attgggcaat tgggtattatg 180
 tccccagac caaagagaag ccaagactgc cttggcaaaa gacaggacca aaaaccgtta 240
 cttgcctgcc tttgaaaagg tgttgaagag ccatggacaa gactaccttg tgggcaacag 300

<210> 4312
 <211> 500

<212> DNA
 <213> Mus musculus

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 ggagtggatc cctcctacta ccatggagag cttcactggg taccagtgtc caagcccagc 120
 tactggcaat tagctgtgga tagcatctcc atgaatgggg aggtcattgc ctgtgatggt 180
 ggctgccaaag gtattatgga cacagggacc tccttgctga ccggcccccg aagctccatc 240
 gttaacatcc agaatctaatt tggtgccaaag gcttctggtg acggcgagta cttcctcaag 300
 tgtgacacca tcaacaccct gcctgatatt gtcttcacca tcggcagtgt tacctacca 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

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 atgggaggac caccatctac aagatcttca agacagctac ggccaggaat ggacatttgg 180
 tcagcgcctg taccagcagt acacctgtta caccgtgttc ttcacagca tcgagatgtg 240
 ccagatcgca gatgtcctca tccgcaagac acggcgcctc tctgttttcc agcagggatt 300
 cttcaggaac aagatcctgg tgatcgccat cgtgttccag gtctgcattg gctgcttcct 360
 gtgctactgc ccagggatgc ctaacatctt caacttcatg cccatccggg tccagtgggtg 420
 gctggtcccc atgcccttcg gccttctcat ctttgtctat gatgagatcc ggaaacttgg 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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<222> (226)..(226)

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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> (287)..(287)

<223> n is a, c, g, or t

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ccaagaagtc atgcattgtg cacagaatga acaaggatgc catgccctcc cttcaggacc 180

tcgatacaat ggtcaaggaa cagaagggtg aagggcctgg aggagntcct cccaaggact 240

tgatgtantc cgtcaacnt accagagtgg aggacctgaa tacattngga ccaaagattg 300

ctggcatgtg cagg 314

<210> 4315

<211> 467

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 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 cctcaaattc gctgnatcac tcccagttat tntgcttntc cagaaaatct 420
 tgctttgatc acccaggcac cggcaatccc acaatcctgt gtacata 467

<210> 4316
 <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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<223> n is a, c, g, or t

<400> 4316

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aggctcatga gtggctctat caacggccac cagccagtaa tccacacagc caaaccttat 120

gtgacaagat cttggccctt ccaaacttct tcccactgag gcacaccgtg acgacatact 180

attccccagt cacgtccaca cccatgcccc tccagcacgc tccttccaac aaatgttccc 240

aaatataaag gtttcttggt ctgtgattgt gcacacagac cttctacaaa tgaggaccag 300

cgacccaaag aaaaagggtt tcccangtca tgttatcagg ggcctgctct caaacgcatt 360

ctgatctctg agctgcctgc aagtcctcat gagagtgtgt gaaatgtatc ctcctcctgg 420

aaggactaac tngccnncac agggatgatg caggggagtg ctgttagctg tttccanccc 480

tccttatcag gacagaagcc atagctgacc tctttgtgac ttgaagggtc ccgttttgca 540

at 542

<210> 4317

<211> 375

<212> DNA

<213> Mus musculus

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<222> (328)..(328)
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 <223> n is a, c, g, or t

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 cacctattgg tcttcaagat gtgctcacat taacctacac ttgactttct tcagattctg 180
 caaccattct tttcccttat tagaaaaaca aattaaatac aattaaatgn aacataaagt 240
 catcaatttt ttttagcaac agcctactct aactcaatta gtcctctttt acttntntc 300
 aattaaagat taatactaata gatancanca cttcanntct gagttgaaac agctgagaac 360
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<210> 4318
 <211> 363
 <212> DNA
 <213> Mus musculus

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 <222> (177)..(177)
 <223> n is a, c, g, or t

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 ctcagaacaa gagttcaagt ccaaggaaag tgaggaacat ggccagcagt tggcatncag 180
 ggtcagcgag gacatgcttg ggcctttcca gtaaaactgaa tactgctgct gtcccaacca 240
 aaaggtcctc ccgaggccag aaagtggctt gaattctacc tacctgccgc ttcctcttca 300
 agagggacat cgaccccaga tggctttgga ggtaggagag gccctctcc actgattagg 360
 tgg 363

<210> 4319
 <211> 190
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 agtgctacac agctgacata ntntggattt tgcggatntc cttntgtgga acatcagtgg 120
 agacatanta gaagtcacag gaaaacaacc cgtgggntnt gacntcgca atgcttgatt 180
 atgagagtgt 190

<210> 4320
 <211> 88
 <212> DNA
 <213> Mus musculus

<400> 4320
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gcacgctgga ggtacagatg ctcagtgt

88

<210> 4321
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<212> DNA
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 gaggtacaga tgctcagtgt ggctcccacg gctctggaga acttgcacat ggagaggtga 120
 gagaggacag ggctgagggg ctgcnagnat caatatttga taaatggaac ttcattgaaag 180
 taaaagtttc tataaggnaa anaatgctgt caataggaca aaaangnagt gtacagattg 240
 naaagtatct tcaccaaccc tacatcttac anagggctaa tgcacacant ttaagaanaa 300
 accaagaagt taggtgttaa tacnncnaac aanntnatct naaaatgggg ttgagagctn 360
 aacggagaan tctcagcaag ggnatntaga agagcagaga agcacttaag gaaatatttg 420
 antntttant catcagtga aagtcantcn aaacctntct gtagttccat cctgtacctn 480
 tcaggatggc taagaccaa 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 ttttcccctt gcgacctgat ctgctctcct ccctcgggga ggaggaccag 180
 attctaacag aagcactg 198

<210> 4323
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 4323
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 taagcagggga ttctaatgc 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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 gtgggactaa gcggcctgga agtccagaga tcagggcccc agtacacgtg gaatccagac 180
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 gattcctaata gcaacttctc tgctgtctgc cctaaagcct tcccggcctt actgtgctct 300
 gtctgaaaca ctccaagatg gtggcattca cctttaatcc cagcagtcag gaggcagagg 360
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<210> 4325
 <211> 308
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 tgggtgaggg taccagtaag accccgagat taggtgaaaa aatatctcga aaggaaacaa 120
 agtccaatat ggtggccact acattttctt gtttcttggg aagctgtggc ttcagtcna 180
 atagtctatt tctttgtcac tcaaagaagg ttttcaggnt cgtgtctanc ctgtcccacc 240
 ctgctccaca tcaactctgca cctctgtagg agtcaccttg ttaagctctt gtgacattca 300
 aacttggt 308

<210> 4326
 <211> 495
 <212> DNA
 <213> Mus musculus

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<223> n is a, c, g, or t

<400> 4326

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tngtttctta aggatggtga caagtagttt ctgtttntg aaggacggcg atgtagattg      120
cacgtctcat tttaatcagg ctttcttccc tgccgggctg gaagaccag agctcaccca      180
ctgaccngga 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
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<210> 4327

<211> 60

<212> DNA

<213> Mus musculus

<400> 4327

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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> 4328

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ntnatnctgg caaacccaag gaagagtaag ccaag                                           95

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ntccacatgt tggcttccca tggaaccttg tgatttgggg ggaataagtg catttttacc      180
ttgta                                                                    185

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<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (306)..(306)
 <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>
 <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

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 <222> (390)..(390)
 <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> 4330
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 accacacttt gctgacacct cccaggtgc agatcactgc cacccatgct cccggatgct 120
 ccaggacaca catacaccca gcagggtgc cgactgcatt ctctccttgt gcccacaggc 180
 actggcctgg gactttcatg gaggtcctag cctttcctcc cacactctag cctttctcag 240
 gctgcaccaa agattccacc ttcaggggcc nnacaganng nngggngnnn cnnncccnac 300
 caggangccc aanccctccc ttggatcaga gagagaancc ctctcntgaa ctgcccnnng 360
 ttggtattga atcccantcc actgaaagtn ccattgacca ccnctgcac 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 caagaccctt tcctgcccta cccaccacgg 180
 tcctgccaac aggaccaggc aaactttaac tccacaaccc aagaccctgc ccaaaggggtg 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 ggacgccaaag 180
 gactttcttca aaaggaagat agacttcctc accaaacaga tggagaaaat ccagccagcg 240
 ctgcaggaga agcatgccat gaagcaggct gtcattgaaa tgatgagcca gaagattcag 300
 cagctcacag ccnttggggg cagcgcaggc cacggtncaa agcctgagag tgcactgcag 360
 aaatgaagca 370

<210> 4334
 <211> 285
 <212> DNA
 <213> Mus musculus

<400> 4334
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 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
 actggcagga gctctcactg tggagaggcc actgacagaa gctgctctgt ggagccagca 60
 gcggggccga ctgactctca tctgctccct ttcctaagta tccattcctt tgaatgtaaa 120

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gaatgaaact ctttgatact aactttgagc cacttgggga ttaactccat gtcagtatatt 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

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<210> 4336
<211> 367
<212> DNA
<213> Mus musculus

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<400> 4336
gctgtttgtc atggcccgag aacatgctcc atccatcatc ttcattggacg agattgactc 60
tattggctcc tcacggctgg aggggggctc tggaggcgac agtgaggtag 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

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<210> 4337
<211> 322
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (272)..(272)
 <223> n is a, c, g, or t

<400> 4337
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 caatagatgt tggtttcttc tccggggcag gaccaggctc tgcattggtgc acttctctca 120
 cagctacact gcgcaggctc agggtagatc ccagggttacc 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 tctgttgagg ttctccac tttccataa gcagaacaag aaccaaataca 60
 aaacgtctta acgctgttag cgagatcacg tcccagagac agacacaaaa tgggtggcagg 120
 cttggcgaac aggaactaga ccacccgaag ggcagccac caccgtaaata cagacctcac 180
 ttccgaatgt aaaaggttca catncctttg gcttcctgtt gacttcctcc cgaccagaa 240

agcatgggaa atgtgaaggg tatgcaaaaa tggttgttgg ttactgttgc tccccgtgcc 300
 cttgacccat cccatgntcn cctntcgctc cancaaacc caaggactag ctgaccacag 360
 actccacaga cgggat 376

<210> 4339
 <211> 537
 <212> DNA
 <213> Mus musculus

<400> 4339
 tgaaagctgc gtactccttc tacaacgtcc acaccagac ccctcttcta gaccttatga 60
 gcgacgccct cgttctagcc aaaatgaaag ggttcgacgt attcaatgca ctggatctca 120
 tggagaacaa gacattcctg gagaagctca agttcggcat aggggacggc aacctgcagt 180
 attacctgta caattggaag tgcccagca tgggggcccga gaagggtggg ttggtgttac 240
 agtaaccagt tgccagtga attctggata aagccactga gaattcaaac caggaaacgg 300
 aacccttcca cttgttggtc caactttcac agatgtgaga tctctggcaa aaaaaacaga 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 tcccttaa ataggcaat 300
 accccccccc ttttgtagac cttctctgct ttcagtaata agtatggcct ttcttagcta 360
 tgatctta ataaatgaac acattcacct taaatctggc ctttaatttaa 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
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 ttttaggttaa ctctatttaa caagtttcgc aactgttgcc ttcatgtgcta cccaaggaga 120
 gcatgccaga tagcgaggat ccaaggtcaa ggcagagcct tgacagctaa gagtcctaag 180
 cttttgcgat tttttttttn ngtttagact acatatttta agggctagag ggatgggtca 240
 atggttaaga aacttggtga 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
 tcacaggggtg gctacagtcg gaacacagag cacagcatga actaccagta cagataaagg 60
 cccagggtgc ctgcccctct caaccttctg cacctctgcc tccaacttgt ctgaggagat 120
 tgagtctgca catcaccagt tgccatgttc actgggccag tgcccacccg tccacgttgc 180
 tgacattgcc acgctttgag gtgtggtggt cgctgggacc cgtgccgtga cccctattta 240
 gctgtgtttt ggactccgtg tcttcagtgg ttgttagtt accattacgt aaaccttgtc 300
 tgagtagtgt tccgaggtct tnccgttccg gatccctctg tctgtttatg cctggtgtga 360
 gttccatcgg gtgtctttta 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 tgtaccccgga 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 gccaaagggga	120
gctgactcca gccaacagcc agtcacgcat gagtaccaac atgtgaaagg cattcctgtg	180
accgtcagac catagtctgc acacctactc tgcctgtgga agcagcacct gggcctcctg	240
cctgctttcc tcaagacgag agagacccca gactgtgtgt ggttcattag agcagtctgg	300
ccactggggg gccagttcgt tggccttcca cgctgaggta ccctctgcag tggtaggcag	360
cctgcccata tggccacttg ggcctgactc taagtttctg cccagtgaa 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
actgtcgggtg atagtaagcc atttcttggg aagaggagac tcttcctac agatctgctt	240
gggcctgtgc aaatggcact gcaaacgagc cacacacacg tggagtccat gagctagtgg	300
gatgtacaaa gacgcttaag catttcaggg ctggttctgt tcatatccaa ttctggtgct	360
taggaacagg gacccatggt aatgccccag ggca	394

<210> 4346
 <211> 499
 <212> DNA
 <213> Mus musculus

<400> 4346	
gaagagtgtc tgctagtcca gtctccagtc cattcgagca gatgccacag gtgcctgccca	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 ttttaagtttt ttaaaagaaa aaatgttttt	360

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ctttgtttca gtgtttggag atttttgttg tttgttgtcc ctccctttcc tgaatcctgt    420
tatgaaccaa ttttatataa tataattagt gttaatctaa ggtgttactc ggcaccgttg    480
ttgcggtcat ctttataag                                                    499

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<210> 4347
<211> 296
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

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<400> 4347
acaccagtct cttcagacca tctttttctc tttggaggat ttaccactga aaaacagcca    60
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

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<210> 4348
<211> 353
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

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<400> 4348
gtgctggggc taaataccat catttgtttt tctctttaaa ctaagacatg tttcaacaga    60
atttctactg aactgactac aactcaattc tttcagaata caaaatactc aattttaagg    120
aaaaacatac aggcgtacca cttggtaatt aanagaccat agcaaatacct ttattacaaa    180
taattaaatc tctccacgtc gcacacagta tcaaacagca ttctgtagtc ccactagaca    240
gcacaggagg cattcaatgc tacaagtgag gacggagtta aacttgcaac tcctgacccg    300

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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 tgtgaccca acatcatccc tgtccgggtt ttcattgctgc 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 agaccatttt 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 ggtagccaa gcccctgtgg 120
 ggtgcttgga tcaggagagg atacctcagt ggttaagggt ctgatggacg cacatataca 180
 tagatgtact cacttatcta tggtacagat ggggtggggaa gaggttgctc ttactctcc 240
 atctctgaca caaagtgtag ctgctagagg gatgacctct cttcaactt gtcctgaagc 300
 acttacattht agttgttgaa agcagtagta gcagaccaag ctanccctt atccanccaa 360
 cactgcacct aaccccaggg atttgctacc agagcaaact cagttctncc tntccctgaa 420
 gtatgaccag gagacancca gtttcaaggg ctinntnngc ctagcagagg ccaagtgggt 480
 tgaa 484

<210> 4352
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 4352
 gagtgctgga gcgttttcag tccctgggac tcacgtgaa agagtggacc agtgtgaaac 60
 tgcacgccac ggtcatgaac acactgctca ggaaagaccc caacgcggaa ggcaggtaca 120
 atctctacac agcagatggc aaatatatct tcaaggagag agagtctttt gatggccgga 180
 acattttaaa gacatttgag aacttctact ttggttccct gaggtcfaat tctattcaca 240

tctcccagag gttcacggtg gacagctttg gaaactatgc ctctgcgga catgttgact 300

tctcctgac 309

<210> 4353
 <211> 448
 <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> (336)..(336)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (359)..(359)
 <223> n is a, c, g, or t

<400> 4353
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 aagcccctct tcaactgggct agtgactcag tgtcagaaaa tggacattcc tttccttggt 120
 gaaatgcccc cagagcccat gatggtggac gagctgtatg agctggtggt ggacgccatc 180
 ttgggcttca gtttcaaggg tgacgttcgg gagccattcc acagcatcct gagtgtcttg 240
 agtggactca ctgtgcccat tgctagcatc gacattccct caggatggga ttagagagaag 300
 ggaaacccta gcggaatcca accagactta ctatntcac 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
 aagcctgtga ggatccaaaa agcgaagcta aaagtgttcc taaatccaaa ggaaagaaaa 60
 ccaaagatgt gaaaaaatct gtcaaagcac ctgctgaagc acagccagtg agtgatgtcc 120
 tcatcagctg tgcgacttgc cacagtgaat ttccatcccg gaataaactg tttgatcatc 180
 taaaggctac tggatcatgca 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

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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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> (335)..(335)
 <223> n is a, c, g, or t

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 tcattcctgtg ttgtttctct ttgaagtga ctcactgtca tgactgggta gtgtggacta 180
 tcctgagccg taactgctct gaatgttcac tcgattagcc atgtatatatt taaatgctaa 240
 tattttaatgn aantntaagt ttcaacattg ttgctatttc tgcatttaaa cataattggg 300
 agacaactga cattnctaca ntcaactngc caggncccta gactaagtat gtccattttt 360
 gttcaggtac a 371

<210> 4357
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 <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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 aagagcaatg tccactgtca ggtgttttcc aagtccagtt ccaggagcct cctcatgttt 120
 gcctgctggg atccctgcac aaggtgtttc ttacaatag accaggatgt gaagcactgc 180
 tgctaacccc tgctccctgt gacatcacca tctcctccct ctcttcctct ctccattttg 240
 ggnaattntn ngtcagncca ggtctttnnn ttacttngtt tttgactcat gtnnccgtgg 300
 gcanctagag tagagaattc tggaggaaan aaagtttatt tcatcttgac ttttgtgttt 360
 gagttatfff taatatfff ctgtaaatat tttgtaatat tttccttgta gtgaaatgga 420
 ttacagtatc atttcctaatt tcaaaacagg atatgtggga agaaaatata caattctggg 480
 attaaagtta cttcccacaa gctaaactct tttgagtgtt tcatggaca 529

<210> 4358
 <211> 58
 <212> DNA
 <213> Mus musculus

<400> 4358
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<210> 4359
 <211> 221
 <212> DNA
 <213> Mus musculus

<400> 4359
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 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>
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 <223> n is a, c, g, or t

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 acgatgttgg agaatatgtc cggcattatc cccggggaaa acgggttatt gagcagcttg 120
 gtggaaagca gttggtgatg aaccacatgc accatgaaga ccagcagggtt cgctacaatg 180
 ctcttctggc cgtgcagaag ctcatggtgc acaactggga atatncttgg taaacaacta 240
 cagtcagagc 250

<210> 4361
 <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

<220>
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 <222> (310)..(310)
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<220>
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 <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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 <223> n is a, c, g, or t

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 <222> (483)..(483)
 <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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 aatgaggagc cccagtggagg gtccgcacca ggggcctgga caagaccatg aacgcgagga 120
 gcagggggcag 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

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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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

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ggtagctgtg agcagaagac ggtttaccag gggcccagga gtatttgga gcaacgtgtt      120
aattataaac agcaggggtt gagcacaatc tgttctactc ttaatgatgt tatcttaaca      180
ctgaaattgc ctgaaaccca ttacttagg actgtgtttt gctctatgaa ctatcccctg      240
cgctttgaac gtgccagnca gcccttgntt nntttgcca nccttttnca cttcctctcc      300
acaggagtnt ntncgtggctc ttncnaagc agatttccta aggccactat tttaaaagat      360
catagttgct aaagtatgtg ctgtgtatgt ttatcttctn acctagtttt ctcaaacct      420
ggcagcttgt tcattgtgca cacagcagct tcatgtctaa ctctgcttgc taacctgaca      480
gtactggtca ctc                                                                493

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<210> 4363
<211> 433
<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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<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

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tgtttctttc ctggatgttc gaaacatcat cctaggcaag tctcactatg tcctgtatgg      120
gctggtagcc gccatgcagc ctcggtatgt ggttacattt gatgaggagc tgcgaccatt      180
gccagtttct gtccgtgtgg gtcaggcagt ggatgtggtg ggccaggctg ggaagccaaa      240
aacaatcaca gggttccaga ctcatacaac gccagtgttg ctggcccatg gggagcgggc      300
agagttggcc actgaggagt ttcttcctnt caccgccatt ctggaaggct ttgttatnt      360
tcggaagaac cccaactatg atctttgaaa aagtggcttc tagagaccct ggctgcagcg      420
gaattttttg ttt                                                                433

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<210> 4364
<211> 82

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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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 cacatcataa caaagttcaa ta 82

<210> 4365
 <211> 294
 <212> DNA
 <213> Mus musculus

<400> 4365
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 tgcccatatg gagtgggtgta aacgttgctg gcgtaactct gaagtcactg aaccagcaa 120
 taggaactga ctgagataag gaacactgga aaaatgttca caagcagggtg 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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 <223> 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

<220>
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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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 <222> (467)..(467)
 <223> n is a, c, g, or t

<220>
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 <222> (490)..(490)
 <223> n is a, c, g, or t

<400> 4367
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 ccaggaagag tctctgagga cctacctttt tacctacagc agtgtctatg actcaatcag 120

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tatggagaca ctatcagata tgtttgagct ggatctaccc actgttcact ccatcatcag   180
caagatgatc attaacgaag aattgatggc ttccctggac cagccgacac agactgtggt   240
gatgcaccgt actgagccca ctgcccagnc agaanccttg ctttgcaagc tggctgagaa   300
gncttggcag cctagtggag aataatgaac ggggtgttga ccataagcag ggaacctatg   360
gtggctattt ccgagaccaa aagggatggc taccganaaa anatgaaggc tatatgccgc   420
cgtggtggct acccgccagc naggcagtctc agacangcct actgagnttc tccacttcag   480
tcaccctgtn gaacagacca tcttagcctt tttgc                               515

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<210> 4368
<211> 407
<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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<400> 4368
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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 tctaattgtc agctaaggca caaagttgtt agctatgtgc   360
tgtgctattc tgtgttctca tagatttgtc ttactgtttc tctacta               407

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<210> 4369
<211> 301
<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

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tgtgttcgtg ctttcgcgga tgctatggaa gtcattccat ctacactagc tgaaaatgct   120

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ggcctgaatc ccatttctac agtaacagag ctaagaaacc gccatgccca aggagaaaaa 180
 actacaggca ttaatgtccg aaaggggtggg atctccaaca ttttggagga aatgggttgtt 240
 cagcctctgt tgggtgtcagt cagtgccttg 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>
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 <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
 gtggattggg cttgatttgg tccatgggaa accacgagac aacaagcaag caggggtgtt 300
 tgaaccaacc atagttaaag tgaagagcct gaagttnccg aacagaggct gcaatcacca 360
 tccttcggat tgatgatctg ataaaattac acccagaaag caaagacgat aaacacggaa 420
 gttatgaaaa tgctgttcac tctggagccc ttgatgactg attggatttc cctnttattt 480
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<210> 4372
<211> 483
<212> DNA
<213> Mus musculus

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<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> (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

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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>
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<222> (312)..(313)
<223> n is a, c, g, or t

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<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> (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

<220>
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 <222> (378)..(378)
 <223> n is a, c, g, or t

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 ccttgcgagg gaggtgtgtt ggagatctag accctttaaa acaaagcaag ctgcagttaa 120
 ccatgttgcc ttttgccact ctaattgacc agtggactaa atggcaggga ggcccccttct 180
 gggttggtca gattgnagag aaggggctga ccaaagtgcc aagacctaata gggtgccagc 240
 cttgctctca gaagtgggtcc aagggccttt ggccttggtg caagcntagg gtgagncctg 300
 tcttncaccn gnnccacctc acccgtgaca ccaangtctc ncctcagttc cagattccag 360
 acagtattnc ttnttcncc atcctatgac caaagggtccc tgccagatgt aaagcgaagc 420
 tgggtgtgtgt ggaatcagtg tggcaaccca tggactgcag tgcgcataac cagctcacct 480
 ctt 483

<210> 4373
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 4373
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 ccagtcgggt gccgaataca acatctttga agggatggag ctgcgtgggt cacctctggt 120
 gggttatctgc cagggcaaga tcatgctgga agatggcaac ctgcacgtga cccagggggc 180
 tggccgcttc attccctgca gccattctc tgactatgtc tataagcgca ttaa 234

<210> 4374
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 4374
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 tctccaagat caggacacag aaccttccca actgccagct catctcccga agccactact 120
 cccccattta cctgtcattt atcatgctct tggctgccct gagctggcag tacctgagca 180

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ccctgtccca ggtcacagaa gactatgtcc agagagaaca ctgattttgt ttagccggaa    240
gtggaagttc ccgtggagtg ggtttttcct tttcctccag ctggattttg acttcccttg    300
ttt                                                                    303

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<210> 4375
<211> 448
<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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<220>
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<222> (319)..(319)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<400> 4375
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tgctgggaca gtgatggtct tggccaaggt cagcatgtaa tggaaagaca gtgtattgcc    180
aggctggata gatgggggtca tctcacagtg ggtcacgtga aaatcagtgt cacgtagtcc    240
cagtgaatgt tgtgttcttt ctgggggggag gggggaatag aataaactca aattcttttt    300
cagtatagcc cntgagtna atgaatgnaa atttgagctt atgtaagtaa agattcattt    360

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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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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 ccntgtgga 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 acgactgccca 120
 ggattcagga aaagcgtggc cattttcaaa 150

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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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 acacacctcc tcctccangc aactcctgtc ctcagctcct cccacggcct cctcccacct 120
 ctggnnttcag gcgctctgaa aacactcaca gggagaggct tgcagccgag cgagcgagcg 180

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 aagaggggtgg atgcgccctaa ggaactctgc tcctgggtgtt acagtngctn tccctctcca 120
 cccttgagta tttatgctga gtaagctcca ggctcngct cagtgatgct gccacctgct 180
 gga 183

<210> 4380
 <211> 288
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 gggcttgttc atgtggatgt agtgattgcc tgggacttcc acaaactgga accgctagag 180
 aaaggggggtg ggtgggtgaga tagcgccac tcaggagact cctgtgggtca gaggcaacct 240
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<223> n is a, c, g, or t

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aatgcagcta ctttccgaga tagaagagca cctgaactgc accatttccc aggtcgagcc	180
agatataaag gttccagtgg atgagtttga tgggaaagtc acatacggtc aaaaaagggc	240
tgctggcggg ggaaactaca aaggccatgt ggatgtcctg gcacctaccg ttcaagagtt	300
ggctgcccnt tgaaaaggaa gcacagacct ctttccctaca ctttggttac cttcccaacc	360
agctnttccg aaccttctga cgtcatgtag acagaggagc attggantca taaantctgt	420
antnttaact ctaaccctct ggtgctgctn tctgagcagc agtatttaca ataaccgagc	480
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<210> 4382

<211> 274

<212> DNA

<213> Mus musculus

<220>

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<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 tggctgcca ggagccatac gtgcttcaac	240
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<211> 473

<212> DNA
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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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 gtggcaccta gacaccatgt catatctagt taatgagcag aaacaagcac aagttcccac 180
 ttgaccaagt gatagtcctc tgtaggaaac taactacca gctacagagg gaagagtagc 240
 cttagggaga gagctgaccc aagggnttac tttnttcctt ggnanagttt gagcattttc 300
 agtgtacaga gttttcattc ctaggctatt ttccatcgac ttagtttttt gtgctagtgt 360
 taaactntct gtgggtttcct ntgcnttctc ctttgctgaa gttgggtttgt gttttgtact 420
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 ggaaacgggg cgatgatgca antcgcaatt naccnatccc actntntgat nnnnncaatg 180
 agnntntncc cntggtgntn ttcaaacaac acggggcagg agcatgagga catcagaggg 240
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gtcaagcccn gtgtcctcca gaggctnctg gcacatagag tggagtcacc aaagcaccac 120

ttttgactg 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

ggcaagtggg gaatccagcg ctcccttgca agctt 155

<210> 4387

<211> 547

<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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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 gcatctatct ttgttcttgt atggcagccc 480
ttgaagattt gaggtgggta atgtatcttc aggttaaaac gncctagtt cattttattct 540
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<210> 4388
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<212> DNA
<213> Mus musculus

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actctgaaaa aggaagcact ccgccaggat cagggtctaga ggagagctgg agctggtggt 180
gtctgtgagt ggttgaacaa ggaaactgtc cagaaccggg cacagtgggg tctttaaggg 240
ccctgtcccc caactgagac aactcaagac tcccatctta gctgagccct gactgtccag 300
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<223> n is a, c, g, or t

<400> 4389

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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
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<212> DNA

<213> Mus musculus

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cctcaagtgc agaccaggc 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
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<210> 4391

<211> 550

<212> DNA

<213> Mus musculus

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<222> (229)..(229)

<223> n is a, c, g, or t

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 ggattcccag gttttgcata agatcattca gagcatcttt cagacgattg tggagcaggc 180
 tcccttggcc atagaagaca tcatgaatga actggacaca cagannggng nnngggaagg 240
 gtcagatgag gacgatggtg atgatgacag tgacgaggcc tcagagggtg agcangatct 300
 ncaagacaca ccaccaaga agctgcctgc aggcaccgca catagggctg nccctgaggc 360
 agacaaggaa caggcgtggg atgacgagga gaacgctggc cctgtcctcc agtttgacta 420
 cgaggcactt gctaacaggc tgttcaagct cgccagtaga cagagcaccc cttctcagaa 480
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cagagctgtg tcagcgctg agcttctgca cagactcgga ccccgagcct cagggcttcc    180
acacagtgtg gtcctgtgtt agcttcctgt ttaaggcccc gct                      223
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<223> n is a, c, g, or t

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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
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<210> 4394

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<212> DNA

<213> Mus musculus

<400> 4394

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attggagtgg gctatactca gactctgagg cctgggtgtga agcttacact gtctgctctg    180
gtagacggga agagctttta tgctggaggc cacaacttg ggcttgcctt ggaattggag    240
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gcttaatcca gttaaaagaa acctctggga acgaatatca gaagatttgg ccttaatata 300
 tttccatgcg accagcaggc tccccttcct tccccagaa ggtgatcaca tcaaaggatg 360
 atgaagcaag agctgtatct taaatattta gacagtcact gttggctggg tcctagttag 420
 atggttatca gtgctgccgt ggtgcggccc cctatacatt atttaaattgt atttaactgt 480
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 gctttcaata ttgtctctc accctctggg gttgattcga cacttctttt ccgttgcaat 180
 ctacgccacg tatttctgct tcaaattcaga gccgtgggct acaaaaccac gggccctttt 240
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<210> 4396
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 <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> (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

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ggatccctgg aagctgtgat gtcccatctc atgcatgccc acaagagtat cactaccctt      120
cagggagagg acatagtctt tctagctaca gacattaacc tgccaggggc tgtggactgg      180
gtgatgatgc agtcctgttt tggccaccac ttcattgctgg tacttgaaaa gcaagagaag      240
tacgaaggcc accagcagtt ctttgccatc gtcctcctca ttggcaccgc aaagcaangc      300
tgagaacttt gcctacagac tggtagtting annatgggna acnngnnnga ganctgnacc      360
tgggnaggcc acacctcggt ccattcatga tggcgtgngc tgcanccatc atgaacagtg      420
actntcttgt ttttgacaca gccatagcac atntctttgc agataatggg aaccttgga      480
tcaatgtcac gatatntaca tgctntcagt gaggctccag gaggccttcc ta              532

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<210> 4397

<211> 272

<212> DNA

<213> Mus musculus

<400> 4397

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tgggctgcaa tgagtgcaca caccacacct gccagcactc actgagtatg ctgggcattg      60
gccagtgcgt ggaatgagag aatggagtcc ttgttctgga cccacttctt ggtcccaagt      120
ggaaggtggc ctgcaatata tgcaatgtgg tggcacactg ctttgaaaat gccaccgag      180
tacgggtatc tgctgacacc tgcaacacct gcgaggctgc cttgctcgat gtagacttca      240
acaaggccaa gtctcccctt cctggcaatg ag              272

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<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 tgcattgacc acaagcagat	120
agttccagtg aataaaatgg aaacaactca agttcatagc agccagcctg ccgccatttg	180
gaccttcatt tttaaagctg agaccacagt tcccaccagc tgctgggttc aggctacagc	240
aggactgctc aggactgact gacacatttc agtctgtaaa cagacgcaa tgccatttac	300
cctaactcac agacagaggg gaaccgnaac cttccatgct gaggctgcat gctaccgcac	360
ttaaataaat acattggctc cctgggttaac agct	394

<210> 4399

<211> 62

<212> DNA

<213> Mus musculus

<400> 4399

catgggtgat gcttggatat gaacagtggg attttgtgca caggaacat 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 ggagatgggtg aagtccaagc tgcccaacac	120
agtgtggggg aagatctgga agttggcaga tgtggacaag gatggcctgc tggatgacga	180
ggagtttgcc ctggccaacc accttatcaa ggtgaagcta gagggccacg agctgcccgc	240
tgaccttcct ccacatctca ttccaccctc caaacggagg cagagtgac 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>
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 <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 tgccaacac 120
 agtgctgggg aagatctgga agttggcaga tgtggacaag gatggcctgc tggatgacga 180
 ggagtttgcc ctggccaacc accttatcaa ggtgaagcta gagggccacg agctgcccgc 240
 tgaccttctt ccacatctca ttccaccctc caaacggagg cacgagtgac ttccatncn 300
 tgagataccc tacaaccccc agggctgctg ccnactttct acccaccagc tccttnttct 360
 gccaggtgg gncgtggggcc tggaggggca gaaattgggg gagggaaagg gtcaccattt 420
 ttcaagggtc ataaagactg agcgggtgttt cctcagctct tgaataggaa aaccaccatc 480
 tttcttttaa agctgttccg gggttcagcg ggagggcatgg 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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 agtgtccatg cagcacgaca ggggaaaacc cagccccttc cctcgccctg tcatttcctt 180
 cctctcctcc tctgctgagc caaggaggtc tgggtgtcct gagagcccca gactgagcag 240
 taagaagcct gagctagcaa atgaccactt tagtcacccc actgtagcct ggggacccgg 300
 acacatcctg tggccagtgg tttggctgtc aggggtgggct ttccactgag ctgggtaggg 360
 cattgcance 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
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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 tggatattcta gagacgtctg ttgtctgggt tcaactactg	420
tgctatacat gtaaaactgt ctctttgaac tattgaaaat ttaagggttaa gtataatatc	480
acctttggat ttgtaatggt gtttctggaa tcttagacca gtgtgaaccc tt	532

<210> 4404
 <211> 89
 <212> DNA
 <213> Mus musculus

<400> 4404	
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tccatttagt ttgcttccaa tgattaaat	89

<210> 4405
 <211> 321
 <212> DNA
 <213> Mus musculus

<400> 4405	
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aggcgttaga ggtcatccct cggaccttga tccagaattg tggggccagt accattcgtc	120
tgcttacctc ccttcggggc 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 ttcggggccaa gcacacacag gagagtgtgtg	60
agacctgggg tgtgaatggt gagactggta ccttggtgga catgaaagag ctgggtattt	120

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gggagccatt ggctgtgaag ctacaaacgt acaaaacagc agtagagact gcagttctgc 180
ttctgcggat tgatgacatt gtctctggcc acaagaagaa gggatgatgac cagaaccggc 240
aaactggtgc tccagatgct ggccaggagt gagtgctgag cacggtgact tccatgcaca 300
gaaccagcag tctccccctt cctgagccag agttccagga aactgtgga catctttggt 360
tgcaaggat caggttgagg ggcagcccc agtctgtccc atctcagttt gcaaaaagca 420
ctgacacgta tctcttctat tgtaagcttt ccatttagtt tgcttccaat gatta 475

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<210> 4407
<211> 319
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (136)..(137)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

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<400> 4407
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ttatgcctta gaagtctcat atttcaaata atctttggat cgtaaactac ttgagctttt 120
gtgngaataa natacnntgg ngtgaatacc ctgagttcct ctagcttgct tactaatgca 180
gactacacca caggccagggt gtttgatttg tctgagaagt tagagcagtc ggaagcccaa 240
ctgggacgtg gcagtttcat gttgggctta gaaacacatg accgcaagtc ggaagacaaa 300
cttgccaaag ctactagag 319

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<210> 4408
<211> 154
<212> DNA
<213> Mus musculus

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<400> 4408
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 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
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 tggctcgact tcggatggta gacattgtgg agaaggaaga tgtaaataaa gccataaggt 120
 tgatggagat gtcgaaggac tcccttctag gtgaaaaggg acagacagct aggacccaga 180
 ggccag 186

<210> 4411
 <211> 170
 <212> DNA
 <213> Mus musculus

<400> 4411
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 gacaatgcgg gctatgacag tgcagatctg gtggcacagc tccgagctgc tcacagttaa 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
 ttcattcttct gtggatttga caagaaaaac ttaaatgtga gtcgctttga tgtgtatcta 120
 gggcataatc cagcaggaac atctactcaa gaccttttcc actgggcaca gcttgctaaa 180

tctgggaagc ttcaagccta taactgggga agtccattac agaacatgtt acactacaat 240
 cagaaaacgc ctcctacta 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 gtcagaaaaga 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
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 aaatagaagc tgaaatagac cctcaagtca agtcagcgga tgtgggaggg gaggagccaa 120
 aagatcaggt agctacctct gagagtgaac taggtaaggc tgttcttatg gaactgtcag 180
 ggcaagatgt tgaagcatca ccagtcgtgg ctgcagaggc cggagctgaa gtctctgaga 240
 agccagggca ggagattaca gttattccca acaatgggtcc agttgttgga caatcaactg 300
 taggagatca gactcctagt gaaccacaga ctntgcaga aagactgaca gaaactaaag 360
 atggctcaag tgtagaggag ntcaaggcag agctgggttc 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
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 ttgtcaccac cattgcatac agcatccgag gacagctgag ctggcaccag aagacctatg 120
 ccttcagtga gaaccactt cccacagtgg agattgccat ccgaaatacc ggagatgctg 180

accagtgggtg cccctgctg gagacactga ctgatgccga gatggagaaa aagatccggg 240
atcaagatag gaacacaagg cgaatgaggc gtcttgccaa cactgccccca gncctggntg 300
atgaagacat ccatgctcga cctntacgga gcattctcaga ctngcctttc cttcctctgt 360
ggaaagagaa aggcaaaggg acagctgggtg ccattcctga 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 ttattcctgtg cccctgatg gcagcgggtga 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
agtgccctg gccntgggg gctgggcagg agcaggncct cctttgaagg ggttgctgtg 420
tgtaagttat tttgtacatg tctgggtgtg ggtttacatc tgcttcctg 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

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gtctcacctg atgctggtgg agccaaaaga gtgacctcca ttgcagancg gctgaatgtg	120
gattttgctt tgattcaciaa ggaacggaag aaggccaatg aagtggaccg catggtactt	180
gntgggagat gtgaaggacc gtgtggctat acttgtggat gacatggctg acacttgcg	240
tacaatctgt cagccgctg acaaacttct ctcagctggc gctaccagag tttatgctat	300
cttgacgcat ggaatctttt ctggccctgc ctttctcga 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 tcattcttct ctgtgtttgtg ccattcctgga	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
tgtatctgcy tttccaagta gcaccttgcc catccttgct gccagtgaag ccaaagatga	360
cagtccaaca cagacattag catccccgaa tgcttgcaga ttaacacctg catgatcatt	420
tgtcttacag tttttgagat actttgttgc aattcctttt 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
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 tgtttttagaa 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 aaaagcaaata ggtcgttcct gttcagcctg gcagacctga agtcagtcaa 360
 gcagagcaag gagggcatgg gctggtcgta cctgggtcttc 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
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 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 ctggaatggt nctccagggg ccatcctttt ttgtaacata gttattttatc 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
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 aagaaagtgg agaagtccaa gatcttttaa 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 ctacgtacag gcacccctgt 120
 gctccgagtg tacctcggtg 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
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<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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 ttatgcagca cctggctaag aatgtagtca tgggtgaactg tggcctcaca aagcacatga 180
 ctgtcaagaa caagtatgca gcatctaagc atgctaagat cagcacgctg gcacagctga 240
 actgtacact agttcagaat ttgtctaagg ccgtgacaaa ggcataactc caatagactg 300
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 tacttg 366

<210> 4425
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 <212> DNA
 <213> Mus musculus

<400> 4425
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 ggagaagggg tggaaccaga gcgccgagaa gccaggaca gcagcagcta ccggaggccc 180
 acagagcagc agcagccgca gcctcacat atcccgacca gtgccccgt gtaccagcag 240
 cccagcagc agcagatgac ctgctcctat ggtgggtaca aggagccagc agcccctgtc 300
 tccatacagc gcagtgtccc aggtggcggg gggaaacggg accgtgcagt gtatgactac 360
 agcgtgccg acgaggacga ggtctccttc caggatgggg acaccatcgt caatgtgcag 420
 cagatcgatg acggctggat gtacgggacc gtagagcgca ccggtgacac ggggatgctg 480
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<223> n is a, c, g, or t

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gctagaaatg gaaaagagtc ggtgcatccc tgagatgagc gattctgagt ttgtatttcg 120

cattcctgga ggtggaatca caaaaacgct ctatgacgaa agctgttcta aagagatcca 180

gatggcagtt ctgctaaaat ttgtttcaga aggggacaat atcccagatg ccgtcagcct 240

tgtggagtac cttaatgaat ggcttcagat aatcaaacc tgtaancgac ggcccatgg 300

catctgccct gccnttgga gatccccagn ctcttggcgg ctgnntcttt ggcagtgggc 360

ttcctccgc gctgttttga tctgttttca 390

<210> 4427

<211> 517

<212> DNA

<213> Mus musculus

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 gctgattgtg ttggtattgt gtgtatgctg cttttctaac caagaggctg gttttggcat 180
 ctatctcatt ccctgggaat gcggtgggta aatgtgtgat acaaaancag gnctggnaga 240
 aacagaaatg aaggtcaaaa tcgctggcct gtacctacag gcnatagcna ncccaantcc 300
 tcatntctng gggancctga aantntccag aacgcttgtg aacantgggg aatcaggtnt 360
 gaaaatttaa aactaaaatn catgagactg agnccatcca ntntnttggt gtggcggggag 420
 aggtggagcc atggtggtgc anccatccca gcgtgntctg ntcattgatg ggatggttgc 480

aatgttgaga aaatcccggg aattttatca acacaag 517

<210> 4428
 <211> 177
 <212> DNA
 <213> Mus musculus

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 atgaagaaaa ccaccggcct ttgttccata agggtcctgt gatcaagggtg aacagcaagc 120
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<210> 4429
 <211> 551
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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ctgtcaatgt ttcacgttg tgggatcatg gccctggttg cagcttatct caactttgtg 180
agtcagatga tagccgttcc agcattttgc cagcatgtta gcaaggttat tgaaactcga 240
actatggaag ccccttattt tctaccagag catattttcc gagataaatg catgcttccg 300
aaatcttttag agaaacatga caaaaattna ttttttttga ccnacaagat tgcggagtcc 360
ctgggtgnca gcggggtacag tgtggagagg ctgacagttc cttatgtgcc acaggtgaca 420
gatgaagatc ncctttctag aagaaaaagt attgtggata ctgtatctat tcaggtggat 480
attttatcca acagtgtgcc ttctgatgat gtgggttagca acaccgagga gatcaccttt 540
gaagcactga a 551

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<210> 4430
<211> 392
<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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ctgacatatt tcatggccgt caagtccaat ggtagcgtct ttgttcgaga ttcctcccag 180
gtgcacccac tagctgtgtt gtcctaaca gatggggacg tgcacatccg agatgatggg 240
cgtcggggcca ccatctcatt gagtgcacgc gacctgcttc ggctggaagg tgattcacga 300
actgtgcggt tgctaagggn antttcgtcg agccctagga cggatggtgg agcggancct 360

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392

<210> 4431
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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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 gaccagtatg aacacttgga tgctgctgac gtgacaaagg tagagaaaag caccaatgag 180
 gcgatggagt ggatgaatag caagcttaac ctgcagaaca aacagagcct gacggtggat 240
 ccagttgtca agacaaagga gattgaagct aaaattaagg agctgacaag tatttgcant 300
 cctataatatt caaaacccaa acccaaagtg gaaccccaa aggaggaacc aaaacatgct 360
 gagcagaatg gaccagtgga tgnccaagga gacaaccag gctcccaggc tgctgagcac 420
 ggtgcagaca cagctgtgcc 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 ccttgccaac 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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 <223> 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

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 ggaagagagt gaggctaagc gcttggccat catgatgatg aaaaagcgag agaagtacct 120
 ttacccaaaag atcatgtttg gcaagcggcg caaaatccga gaggccaaca agctggcaga 180
 gaagaggaaa gcccatgatg atgctgtgag gtctgagaaa aaggccaaga ggacaaggcc 240
 cgtgtgagct ccagttgtcc ctactgaga tttggacttg gcagaagcaa gctagtgaaa 300
 cacacataca caccagccag cactctcata ctttggtggt atgtggctag cccancng 360
 cctttgtggt tcatgccagt gcctgggcaa agagacctca acccaacnca gtttctttaa 420
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<210> 4434
 <211> 441
 <212> DNA
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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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 <222> (61)..(61)
 <223> n is a, c, g, or t

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 tgtgaaatth caaaagtgtg aactttttat tcttccaaag aattgtaatt cttcccacac 180
 tgaagtctag agattacaga tctatccaat gggaggctct ggaaggcatg cctggaaatt 240
 gtcattgtttg tgccacattt cagttgagtt ctgcagagtt aatttaaata tgttcctcag 300
 caacaacgta gtgtcatgtt aaaggagcga cctgcctccc cggctctgtac accgtgtcct 360
 gcatgtccca gtccactttt ccatggcctt ttgttatatc agtctctgct ctagtgagag 420
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<210> 4435
 <211> 503
 <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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gtgggaggag agaatacaga actggcatga ggaacacaga gggatgctaa gggaagattc	180
gatgatggaa tacttgaaga ttgcgcaaga tctagagatg tatggtgtca actactttga	240
aatcaagaat aagaagggtg ctgagctgtg gctagggtgtt gatgcttttag gcctgaatat	300
ttatgaacat gatgacaagt taacacctaa aattgggtttt ccctggagtg aaatcagaaa	360
tatttcattt aatgacaaaa aattcggttat aaagccaatt gacaaaaagg cacctgattt	420
tntntttnct atgcacntnc gtctgagaat caataaacga attttgnctt tatgtatggg	480
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<210> 4436

<211> 403

<212> DNA

<213> Mus musculus

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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> (273)..(273)

<223> n is a, c, g, or t

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cctcatctac agtatttcta agcggtttcc ttgatgaag tgcctaaact tgtgcttttg	180
tatggtactc tcatgatgtg ctgctgttca catctgtttc tgctgttcat aggttgaagc	240
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acctcagttg tggtttgaaa ttcgaaatag tacatgtaca cgtacccggc tagaaattgt	360
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 tcgnattttg gttcaggaac gtctaacaca ggatgcagtt gctaaagcaa atcaaacaaa 180
 agagggctta cctgttgctt tagagaaaca tattcttggc ttgacacag gcgatgcagt 240
 tcttaatgaa gctgctcaga tcctgcggtt gctgcacata gaagagctca gagagctaca 300
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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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 tagcttctgc aggtgagtgc agctgcatgt cccacactgc cctttcctga gagtggacag 120
 gtggaggagg agccatagcc accaacctct aggggtggtct tcagatcacg atcatgctca 180

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tcttcactgg caaagcactg ctccctccctc tgggccctgc tggacctaga agtgggaagc 240
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actctctggg agccatgtgg atatgncctn tccctgttcc tnccnacagt gactcagtnc 360
ctcttntccc aggagaagac acctcaggga gtnccttgccc tgtaatgctc acgtccatcc 420
tgtaacctaa gagtcactcc agttgctcca gggctctgtat tctntcttgg gagnccaccg 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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 taactataac gtccccaggg accagagcac agggcagtg tgctaggagg gctcttccca 180
 gagcgacctt gtccatcctg ccaccccccc tccccccatt tgcgtgggnn nnnaaanaaa 240
 acaaccagaa gagaaaantc ctgaactgcc aagtgcctgc ttaggagctc tgctaagatg 300
 cccctgttaa acttttttagg aggggtctgg gtntcntagg accccctttt caggcttggg 360
 taatagcagc cattttttaga ttggttctgt ttataccttc ccacccatct tgggcaaaca 420
 aaaaaactta tattgcctnt nttcttcccc caattctgta ggggtggaggt tgatagccta 480
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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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 <223> n is a, c, g, or t

<400> 4440
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 ccgttctctg ctctccgcc tgcaggggcc atgatccac ctccccccag tctccgggc 120
 cctcctcggc ctggcatgat gctgcccc cacatgggag gccctcccat gatgccaatg 180
 atgggcccc ctccgcccg aatgatgcc gtgggaccag ctctgggat gagaccacc 240
 atgggaggcc acatgcccat gatgccgga cctcccatga tgagacctc tgcccgccct 300

atgatggtgc ccacccggcc tggcatgacc cggccagaca gataagagca gaagcgctnt 360
 tgatggtttt gtatttcttg ttctgttcca ccaggagctn ttggtgctga gcccgagtgt 420
 ttactagatg catggaaagg aaacttcctt tcctaactga atat 464

<210> 4441
 <211> 137
 <212> DNA
 <213> Mus musculus

<400> 4441
 gtagatgtta ctggacctca tctctacagc atctatcctc atggatcaac tgataaattg 60
 ccttatgtca ccatgggttc tggctccttg gcagcaatgg ctgtgtttga agataagttt 120
 aggccagata tggagga 137

<210> 4442
 <211> 368
 <212> DNA
 <213> Mus musculus

<400> 4442
 gccttaccga agctgattac ctgagttcac acctgactga ggggccacac cgtgtggtgg 60
 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 ctttctagtg 300
 tgtttgcttt tgcattccctt ctgactgcaa gggacatgca ggcagctgtt catcattact 360
 gtcccaag 368

<210> 4443
 <211> 541
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (282)..(282)
 <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> (312)..(312)
 <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> (361)..(361)
 <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>
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 <222> (463)..(463)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (509)..(509)
 <223> n is a, c, g, or t

<400> 4443
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 ctcttttagaa aacattactt ttgaattaga ggctttatca gacatggact ttctctttat 120
 agaaatgctt tagagaaaag ccccttccat ctatcatgac ttactaacat ctaccacagt 180
 ttatcagcat ttgaagattt ctttgatgat ccatacttgt cttgggatag ggtttgttta 240
 tagggaggag tctggaaatt tcagtatgaa tgaaaactag cnaggcaatg gtgagatgcn 300
 agtaaaatcc tnatctaatag tttacctgat gccttaccta gtgaagagtt aatgaagggc 360
 nagaangcct tctgcttgct ctcatgagtt tgctcaactg gcagtttgct cagttgatat 420
 gaatcatgct aggtattatg aaagtttcta tgaaacattt aantcaattt taacaatata 480
 tgattctggg aaagaattgt tccatgctnt catgattatg cggaaccca aaagattact 540
 t 541

<210> 4444
 <211> 376
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (124)..(124)
 <223> n is a, c, g, or t

<220>
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 <222> (140)..(140)
 <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> (248)..(248)
 <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 gttgggggtgg agtggtgata 300
 taaatatata aatacaaatg tatatatttc aggatgtggt ttaggaactg ggaataacgt 360
 tttctgttac tcctga 376

<210> 4445
 <211> 562
 <212> DNA
 <213> Mus musculus

<220>
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 <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> (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

<220>
<221> misc_feature
<222> (328)..(328)
<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> (344)..(344)
<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> (359)..(359)
<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> (418)..(418)
<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> (448)..(448)
<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> (469)..(469)
 <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> (498)..(498)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (515)..(515)
 <223> n is a, c, g, or t

<400> 4445
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 ccaagagtgc aggacctttt ctgactgcct ggaggatgtc tgggagagaa ctaagcacca 120
 ccctttgcct ctctgggagaa gcagcctccc tgtcccctag ggggacacaa gggttggcct 180
 ttccatcctt ccagtctccc ggctctgtga gtcaggccag aggtggggca agagagtggg 240
 aggtggccca ctncctcatca cccccctgcc actcaaagcc agtctcactg tgaaccactg 300
 ggacctcagc agaggagggg nctgncnngg nncctggtgg gccntcgggg tncctcanc 360
 ccngcaccc agcacttgaa cccttcaccc tctcccctgg ctggcacctt ccctcctntc 420
 caccctgca 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

<220>
 <221> misc_feature
 <222> (53)..(54)
 <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> (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> (353)..(353)
 <223> n is a, c, g, or t

<220>
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 <222> (360)..(360)
 <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> (413)..(413)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (419)..(419)
 <223> n is a, c, g, or t

<400> 4446
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 aaccatagca accagaatcg ataggcagtc catccacagc caggagatgc tgggccagct 120
 gctccaggag gtctccttta tggcagtgat gaaagcctga cagcagaccc tgtgtgccag 180
 ccatggccag agtggctgct gccctgtgc ccagcatcca ggtgcatctc cagccagcta 240
 caagccagct tctcgtcagc tctggaggtt ggctgtggac cttggggcta aaataggggtg 300
 ctttntcctg gattgaagac atctcgggtc cantgggtgc tncagggcgg ggnctagaan 360
 tcccaagtgg tatnttcatt ccttagtgaa ggccaggaga ttcctggggc ccnggtttnt 420
 tgtggaaagc ttgcagaat ccacataacc ttcttgactt c 461

<210> 4447
 <211> 344
 <212> DNA
 <213> Mus musculus

<400> 4447
agctttctgct cccagatctg tgatccccgg acaactgggg cattctggca aacatggaag 60
gactttgagg ttcggcacgg caatgaggat accatcaggg agatgctgag gatacggcgg 120
agtgtgcagg ccacatacaa tactcaggtc aacttcatgg cttcacagat gctcaagggtg 180
tcgggcagtg ccacaggcac cgtgtctgac ctggctcctg ggcagagtgg catggatgac 240
atgaagctgc tggaacagag agcagaacag ctggcagctg aggcgggagcg ggaccagccc 300
cccagggccc agagcaagat cttctttgtg aggagtgatg catc 344

<210> 4448
<211> 175
<212> DNA
<213> Mus musculus

<400> 4448
ggtaggaacg ctgcaacctg ggtataaata ttatgccttt atttttggct agagaaaagt 60
tatttttagc ctagatctaa ccattttcat actcttacct gaaagattca cagaagtgtc 120
aagtgctatg cattgaaact tgttttttaa acattacctg gcactgtgta tatta 175

<210> 4449
<211> 328
<212> DNA
<213> Mus musculus

<400> 4449
tgcccttggg ctggctcgga ccaaaagtta gatcctttgt gtggccttga tggttccggt 60
cagcgttcat ttgctgagac tgttcgagac tgttgctgtg ttgaagtagg aatagaattt 120
gcaacccttt gagcaaagct gggatgatgag ctgaaagaac gcgggcgtgc atgttgcctt 180
ccctgtaaat agccttagct atcatttcct agtggaagaa actgtggggg aggaacgctg 240
caacctgggt ataaatatta tgcctttatt tttggctaga gaaaagttat ttttagccta 300
gatctaacca ttttcatact cttacctg 328

<210> 4450
<211> 535
<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> (197)..(197)
 <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> (505)..(505)
 <223> n is a, c, g, or t

<400> 4450
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 cgacagtgaa aaggcaggag accgagaggt gcagaggacc atgctggagc tactgaacca 120
 gctggacngc tttcagccca acactcaagt gaaggtaatt gcagccacta acaggggtgga 180
 catcctggat ccagccnctg ctgcgctcag gccgcctnag accgcaagat tgagtttcca 240
 atgccaacg aggaggccag agccagaatc atgcagatcc actcacggaa gatgaatgtc 300
 agtcctgatg tgaactatga agagctggct cgggtgcactg atgacttcaa tggagcccag 360
 tgcaaggccg tgtgtgtgga ggcgggtatg atcgcatcgc gcaggggagc cacggaactc 420
 actcatgagg actacatgga gggcatcctg gaggttcagg ccaagaagaa agccaaccta 480
 caatactatg cctagggggac acctntagtc tgtccgctgg tctgaggggt aaagt 535

<210> 4451
 <211> 85
 <212> DNA
 <213> Mus musculus

<400> 4451
 tggattcacc ctcaagtacg gatgtgagaa aagagttaca tgcgaatatg agtcagtcaa 60
 cacgttttgc atggttaagt taaag 85

<210> 4452
 <211> 575
 <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> (324)..(324)
 <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> (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

<400> 4452
 ggaattctca ttaaggactt ccttgatgaa cattatgata ttcccaaaat atcgatgata 60
 aataacgtca tacacaataa tgaaggttat ggtgttgttt tggatgaagcc tacaattttc 120
 tgtgatctac aggaaaatac acaagatgaa attaatgaca atatggttca gaaaaataaa 180
 gaggcagatg tcaactgaagg 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 caaaggaggat 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

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (224)..(224)

<223> n is a, c, g, or t

<400> 4453

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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
accctttctt tctccagggg aacaggcagg aagacaaccg tgctgaaatg tgaaatgtga      300
tggggctcct acttgacatt tcctttttat gtatgctgtt ctgttacact atccataaga      360
gaaaactcgg ttttatagtt acattttcag atgttgtgta taagaacata actgttttca      420
tgggtttcaa c                                                                431

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<210> 4454

<211> 349

<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> (112)..(112)

<223> n is a, c, g, or t

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<221> misc_feature

<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

<400> 4454

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tgccacactc accaaaactg aagctagagg gtggccctgg acatgcagcc accctctcct      60
caagcctgag tggactcaca cagaaccctt tccnnggtcc cattctgacn cnaggggtggg      120
aaggaagggc ctgccagcct ccccagggga caagccagct ggagctgtgc tcctgggtgcc      180
tcatgactgg ccaccaccca ccctgtagac gccatccctg cccacctccg aagcctcctt      240
ctgttgccat tttgctgagc atngttggnt cattgtcatt gtcactctgtg gctgtcctgt      300

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cacctttctt caagtgtcct gtgcagctgc catgctgcac ttaatgagg 349

<210> 4455
 <211> 86
 <212> DNA
 <213> Mus musculus

<400> 4455
 caatgcttgc ttcgagccag ccaatcagat ggtcaagtgt gaccctcgcc acggcaaata 60
 catggcctgc tgcattgtgt accggg 86

<210> 4456
 <211> 161
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (90)..(90)
 <223> n is a, c, g, or t

<400> 4456
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 catggcctgc tgcattgtgt accggggggg atgtggttcc caaagatgtc aacgcggcta 120
 ttgcaacat caagacaaag cgcacatcc agttttaga t 161

<210> 4457
 <211> 483
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (278)..(278)
 <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> (428)..(428)
 <223> n is a, c, g, or t

<400> 4457
 tgctgcttac aatgcattct cttccccaga aacacgcagg cagttaaagg tgggaaacaa 60

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aggagtggga tgaggaaaaa catcgaccg tttcagaggt agtccttta atatccagct 120
ctgcttccag ctgtgggtag aaatgctcag aaaatcagat ttgagtcttc acaggggaaa 180
cttcactatg aggataattc ctaaaagaca aaagatgtat ctgatctaaa gaaacaccag 240
agtattatta ggggaattta tataaaattg tgattttngt catggaacag gcagatgttt 300
tggtcctaag tatttttagct ttgcctttct gtagttgcag tatgtgatag gaatcagtga 360
ttcctgacac agttcttttg ccngccataa gaccgtgaag taagcagtta tgttcagacc 420
ctacccgntc cccattcctt ccaaagctat tgcagatgaa ttgcggagct gtttattcat 480
tta 483

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<210> 4458
<211> 499
<212> DNA
<213> Mus musculus

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<400> 4458
cactgtcctt accaaatgat gttaccagag tccatcgcaa tcgtctgttc cccaaagttc 60
caggaaactg gattctttta gctaactgac tatggtcttc aagagatttc aacctgccgg 120
cagaaaggct ttcaccccca tggcagagac ccaccgctgt tctgtgactg cagccatgtc 180
actgtcaagg acagaattgt gacgatcaca gaccttcgat aaatctcaaa tcatgaacca 240
gggagatgga tcaactggaca aatgtgaaaa tgaccaaadc acaccaagca actaactcaa 300
aaattaggat gcaagagaaa atacttctct agatccaaac actggccttc tgttcctctt 360
gaaatttacc tcccaacttg ttcattctct cctttggact aaataggggc atctgtgcaa 420
aactgtagaa gccattttga aggatttggc tttttattgt ttgtggcatt aataagggag 480
cttaccattc tggtgggat 499

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<210> 4459
<211> 527
<212> DNA
<213> Mus musculus

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<400> 4459
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atgatgatga cgaagcggag gaagacagag gcgcgtgggg tcgagagagc tatgcgtttg 120
atggtttctc gcctccagag gaattcgggt tcagcttcag cccaggggga gggatgcgat 180
tccacggcaa ctttggcttt gatgatctat tggatgatac atggcctgtg agtccccatt 240
ctagagccaa agaggacaaa gatcttgact cccaggtttc ccaggaaggt ctgggtccac 300

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ttcttcaacc ccagcccaaa tcgtatttca aaagtatctc tgtgaccaag atcactaagc   360
cagatgggac agtggaggaa cgccgcactg tggtagacag tgagggccgg agggagacca   420
cagtgaacca tcaagaagcc catgacgggt ccagaagtga tccagactct cagagatctt   480
cagctttgga tgatcccttt tccattctgg atttgctact aggacgt                 527

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<210> 4460
<211> 530
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

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<400> 4460
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cctgcttctg acccaagatg gcctcgtgac tagacctgtt ttttaaggaag cgctgtctgt   120
ttttaagtat tcttaaaaac gttttggaaa gcacttcaga ttttactgtt taccatgagc   180
catgggtttt tgttttttct aaattgtcgg gttgtgtggg ttttggttac tcgtttttgt   240
tttttcaggt tttttggttg tggcttttct ttttttttct ttttttgtgt ggtcgccctt   300

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gaagtctggc gccccacccc tcctgagatg gaatggantc gatttgagca agccatggcc 360
ctccagctcc ccagcccggc tgcggagttg cagcaggtcc tgcccatcgg gcacatntnt 420
caagcccatg gggagcatag cantccggga ggctgtggaa atgtttatnt atattntcct 480
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<210> 4461
<211> 465
<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> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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cctgagagcc ctaaaaactc agacattcaa agatgccctc tgctgcccac tgctggaaca      240
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ccctgcgggtt ctgtatctgt gctacactga tgtgatgaag ttggaccgtg tcacggttga      360
agctttttaa ccgttacttt cttccaggag cttgaaatgc ttggtgaann aacattcctg      420
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ggctgctact gaagatgatg gggcagtggc tgccaggatc actgatggct tagaactgtt      180
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 gttgcttcag gcagtggccc aataagtctt aagtccaagg tccaaagacc aggatgcaga 180
 ggagtcaagg gtgtcagcca gagcaacccc ggcagccaca ntgtgtgcac tcgatgatgc 240
 gaccntgaa acagaagaag aacatttgaa cacactgcta cagcccntgc nacactccct 300
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 cccaggcgtg gtctccggtg gcaacacaga ccagaacctc atgacagtcc ctggttagctt 180
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 gaccttccat ggaagaagtg cctgtttgcc ccaggaccct gaagaagggtg gcctgaactg 240
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 aacctgtgtt tgaatttgta cggccacccc cttaccaccc caaacagaag ngcttcccnc 360
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 tctactgaga gactcagtac attcatctcc gagggggaac tgtcncagca gctggaaggt 480
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tttggttgtg agcctatgca ccttaccttt aatggttgaa ccatcttttc agcccaaaca 240
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taatctgata ggaaaccgtc ttttcccaag tgaattccct ttatttcattg agaacaaaag 180

tacttagata ctataaaacc ttaattttcc caacttttaa aataaaatgg aatatttgct 240

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aatgttagta gaggtcgcnt tctttggaaa ttgaggactt ttttttttnc ctttgaaagt 480
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 tctctgttgt gtgatcccaa tccagatgat cctttagtgc ctgagattgc tcggatctac 360
 aaaacagata gagaaaagta caacagaata gctcgggaat ggactcagaa gtatgcgatg 420
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 gctgtttcta tattcatttc atcctgaagg acctacaact taggtgaaag ttatgaccaa 180
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 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
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 gcctttcctt gacatacaga aaaagctggg catcagcctg gaccggcact ttatgttcct 180
 aagcgcagaa cagccctata agaacgccgc tcggtgc 217

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<223> n is a, c, g, or t

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agcgaaaggg tttatttgca agacgacgac agttattact cacagaaggg ccacatttat	120
attatgttga tcctgtcaac aaggtcttga aaggtgaaat cccatgggtca caagaactcc	180
gaccagaagc caagaatttt aaaactttct ttgtccacac gcctaacagg acgtactacc	240
tgatggatcc aagcggaat gctcacaagt ggtgcagaaa gatccaggag gtttgagng	300
cancagtacc agancaatcc agatgctnct gtgcagtgc 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
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<210> 4485

<211> 447

<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> 4485

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taaggagtga actgcagcgg aaggatgcgc tgggtccagaa gcacttgaca aagctgaggc	120

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attggcagca ggtgctggag gacatcaatg tgcagcacia gaagccggct gacatgcctc   180
agggatcctt ggccttcctc gagcaggcgt ctgccaacat tcctgcacct ctgaagcaga   240
cctaagcact cctgcctgtc ttgcagcctt gcagtcttgc cagacacgtt tccttacaga   300
cctggtgtgt tggaaggant ctgttggata atgagtttgt atcagtttct gtcctatatt   360
ataaggtagg gtttcattat gaagccggga agggccttga atctatgata ccctgcctca   420
gntcctctag tactctaaac tcctgaa                                       447

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<210> 4486
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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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<223> n is a, c, g, or t

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<222> (367)..(367)
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 atgcctgtan gncctttggg agcagaggcc ctcaggactg ttttgggacc tgtagttggt 120
 ggcctgggca atggctggac tatgcgatta catccatgcn gagatctgca ggcccccatg 180
 tccttggctg aactagctt caccaaacta gtctatagct gaggggatag cctgcntcct 240
 gattccttga gataatagca gccttaacct ttagcctata ggctttcgtc canccctagt 300
 cacttinctgc cccaggtcaa caggctgctn tcatagccac accacacagg agctggccag 360
 tgctttntna tcgagactga cccacacatg ctgtgtttgt tnccttttgt gacactgtgg 420
 ttaccgg 428

<210> 4487
 <211> 503
 <212> DNA
 <213> Mus musculus

<400> 4487
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 tatcacagcc aactacacct acctaattggc cagccccaga gctgcgtgga ccagcagcag 120
 ctctgcctc agtgcccgct cctttcctgc cactgctgct gcttctggct tgcctctgta 180
 ctgtgtggtg tggagggcac taagtatcac tgaggagcaa caaggagaga cctctgctgc 240
 cccgtgagcg agcgggtgctg ggttttgacc tgggcagtggt ccagtgtggc tggcggtcatt 300
 gactggtggc tgtgtctggt ccgttgagt tagagctgag aagaggcagg atttgggggtt 360
 gaggtgagtc atggcctctt gctggaaagg tgtgttgggg tgtgggtgtc atctcacct 420
 cgtccccact cctccggcct ggaatgtgaa gtgactcccc agcccccttg gctgtggcag 480
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<210> 4488

<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggccagggtgc ctgagcgcgg cagtggagac cgcattcgct tcattcttggga tgtgctgctg 180
 cccgaggcaa tcattctgtgc catttccgcg gtggaggcgg tggattacaa gacagccgag 240
 cagaagtaca ttcgtggccc cacacttagc taccgggaaa aggaaatctt tgacaatgaa 300
 ctcttgaggg agaggaaccg acgccgtcgc tgatgccgca gtctgcacct ggccggccag 360
 cactgggtgt gacctgccag aggcctcca ccaggcctag gagtgtgaga actttgacct 420
 gtgcgtgggt tntacgtnc ttagcctaag tctgggagat cagatgccat cagatncctg 480
 ctncatcta tgaacagctg ctttctggaa gtttctg 517

<210> 4489
 <211> 409
 <212> DNA
 <213> Mus musculus

<220>

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 <223> n is a, c, g, or t

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 agatcgtcta cttcctccct ttctgccact cagagctcat ccagctgggc aacaaggaac 120
 tgaacttctg ggccaagaga gccaagcaga ggcacaacat cacactactg tgggaccgcg 180
 aggtggcaga tgtgttggtt gatggctaca acgtccacta tgggtgccgc tccattaagc 240
 atgaggtaga gcggcggtgtg gtaaaccaac tggcggcagc ctatgagcag gacctgctan 300
 ccaggggggtt gcaccctgcg tatcactgtg gaggattcgg acaagcacct cctcaagagc 360
 ccntgagctg ccctcacccc aggctgagaa gcgtccacct acattgcga 409

<210> 4490
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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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 <222> (408)..(408)
 <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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 <223> n is a, c, g, or t

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 ggctttttcca gacattcact acccccttct cccttgtgcc gtagtctgtc tccggggact 120
 gggggaggag tccgaggtgg ggtagctac ctgtcccag gggaccctgt gagggtcctt 180
 gctcgaagag tgcggcctga cggctctgtg cagtacctag ttgagtgggg angggggggg 240
 catcttcttg acagcctgct tctgtcccc tccccattca cacactggca ctttcatgcc 300
 ctngacctct gacctcacct acagctggga tgtacctgga gagatgggga gtggttntcc 360
 ctctnccca ggctggaatc caggggagtg aagagntcct nttntctncc ctttcatgac 420
 tcctaatingc cccccctcat ttcctttgat gttattttgt tacagctttt gagataattt 480
 ttttaagacta ttttaaccct gggattagag attggggggg ggggggtttg gtgntccagg 540
 attccagact gtatgactgt 560

<210> 4491
 <211> 130
 <212> DNA
 <213> Mus musculus

<400> 4491
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 gcccgctgga gccacagcca gctcctcacc tggctcggga gttcatgatc aaaacccgtc 120
 gtaggaaggg 130

<210> 4492
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 4492
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 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 cccaaccta actcttgga 240
 cttggccctc tcctttcttc ctgttaagtc tgagagggaa gagctaggct atgaaggga 300
 gatgtggccg tacgtgggaa taaccagtgt ccacgctca tttccctcc atcctgcgtt 360
 ccgcctccct tgggtactcag ctttttgggg acagctgggg ccaggactgg gtcacctatg 420
 agctgaatca gcctctcctg agtcccaggc ccctgcagtc ccctggttct ctggcctgca 480
 gcctcttgcc cgctgggttc actttatagc cacctttt 518

<210> 4494
 <211> 275
 <212> DNA
 <213> Mus musculus

<400> 4494
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 ggagcggagg ttcagctcat ggattgggtg ctctatccta gcatctttgg gtacctttca 120
 acagatgtgg atttctaaac aggaatatga agaaggaggg aagcagtgtg tagaaagaaa 180
 atgcccttga gggctccacc ctgcctgccc gtcacctcaa cgtctgtagc tttagtacac 240
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tgtcatcaga gtgacagccc tggagccttg ccagtgactt cctcgctca catggacccc 180
 caggttcact gcacacgctg agaaatagaa ttgagaagta aaggaaatgg ccttcaaaag 240
 gccacacctg agaccgccc ctgctttatg acacccttcc ctgggcctca tgctgtacca 300
 caggaggcag agtcagcaca gccgtggcca gggcaccccc aggtccctga cctggtantt 360
 agcagtgcac cctcccccc agtgctgtgc actgagcagc cccactcag ctactgccag 420
 ntntcntcc caagcaccaa ggtagactct gagcacagac agggccccgt ggcccagtca 480
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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> (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> (223)..(223)
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<223> n is a, c, g, or t

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<223> 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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acatggtngc ccgtgccttt aatcctaata ctttggaagt agacanagga agatTTTTga 180
gtaagnccaa tctgaactta aatcagactt tgtctcaaaa aanagaccgg gtgtggtggc 240
actccccctt aatcctacaa cttinggaggc aagaggcagg ttggatctnc tgagcttgaa 300
gttagccagg attacctagt gagatcctat ctttaagntcc ccctccctgc tcctgacaaa 360
aacacacaaa ttctgtttgt ctcantctta gcacattggg ctagagggga aacgacatca 420
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<223> n is a, c, g, or t

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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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tccagatgtc accctgtttt ccaagccagc atccttgagt ctgctcagca gacatctgct 180
caagtccttt gtgtactcga caaagaatcg acgatgcaag ctgctgcccc tggatgatggc 240
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tagctcngga tagaaagaac ttttttngnt cgggcttttg agaaggcagc agaaagcacc 360
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<210> 4498
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 <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> (332)..(332)
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 agcgccggct ggacgcgcat tatccagtc tgggtgggatc gaaacttggg caaaggaggc 180
 tccaccccct cccagtgatc ttctgctcca catcccggaa ctctaccgc tcccgtcgcc 240
 cgccatattg ggtgtgggcg gaagtcttcc gaggccttag gaaaaaaaaa gaggatcgct 300
 gtgtcccttt aacagggaga agagnctgan gnacngnnnn nnnncttgag tcccttccgg 360
 tgcgtgcaat ag 372

<210> 4499
 <211> 293
 <212> DNA
 <213> Mus musculus

<220>
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<222> (141)..(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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 tgatggaaaa cccttcctg nccttcgtgc ggccccggtg gatctacagt tgtaatgaga 180
 agcagaagtt actccccc atcagctntatg ggggtggtgcc ccaggcctga gtgtacacct 240
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<210> 4500
 <211> 475
 <212> DNA
 <213> Mus musculus

<400> 4500
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 aagaccggca tgctgatgtc ctcaatctct gtgttgccca gtttgagcca gattccgctg 120
 agtatatcaa ggttcatcat cagacctatg aagatataga cagacatgga aaatatgagc 180
 ttttacgttc aacaagacac ttggttgaa tggcttggtg ttttgtaaata aaaaaaaga 240
 ttgatggttt gcttattgat cagatccaga gagacttggg tgatgatgcc accagcctgg 300
 tccagctgta ccacatgctc catccagatg gccagtcagc tcaagaggcc aaagagcagg 360
 ctgctgaggg agtcgactta attaaaggtct 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 cagaagggtga acaaggctgg 120
 agccgagaag gaacgggccg ataacgagaa gctagaggag cagccggggg agcaggctcc 180
 cagagagctg gcagaggatg agcccagcac cgatcgggtc gcacctgtga atggtgaggg 240

cacatcccag aaggggggaga acatggaaga cagagcacag gaagacgggc aggactctga 300
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 ggttggcttg cagccctatc tacgatgaaa aatggggcct tagctgtgac catcatcatg 180
 atggtagtgg ctggcttctt taccctctgt gctgggcttt cactcttcct cctgcagcgg 240
 gtacacgcct tctaccgccg aacaggagcc agcttcacgc agggccagga agagttctcc 300
 cagggtatct tcagcagcag aacctttcgc ggggctgcct catctgctgc ccgaggagcc 360
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<210> 4503
 <211> 541
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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<220>
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 tgaacaacaa cagcccttct ggaaacggcc tgctgccttt ctgcttctgt ttggcatagt 180
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 tccctgagnt nnnacnattc cnntggccat tcatattagt tctattacaa gnnntggaag 360
 agnttanatc nttntacnc aggcccnacg antacagctg atacagntga cataaantnn 420
 tgatggagat acaactcagg gccttgcatt ntacactgac ttgcttttnc aggctccaac 480
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 c 541

<210> 4504
 <211> 457
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <222> (429)..(430)
 <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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tgaagcctga gaactcagag atgcaaactc ctgtgaagca aagtaaggca aggactgaat 240
ccctgcatgg ttttgtttct gtcttgaaaa ctgtgattgg aacagttgga gacataaaat 300
cttaacagag ttccttcatt gtcttaaaaa gctgcttgta agtccacata ttaacttcaa 360
aagagagtgg gaggtctggg aaccagctn ttatgtttac ccaaagtta cgttgttctt 420
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<210> 4505
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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 ccctaccag ccatntcata aagtggggga acaggccatt tgcgaagaca 480
 cact 484

<210> 4506
 <211> 414
 <212> DNA
 <213> Mus musculus

<400> 4506
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 tcaacttcca atgccatctc cacagtcctc cccctcacac agctgcgctg ggtgaaacaa 180
 acaagcgccg agaagaaggc cagcgtggtg accttacctg tctacctgaa cttcaccggg 240
 gcagacctca tcttcaccgt ggactttgaa attgctacaa aggaagatcc tcgcagcttc 300
 tatgagcgtg gagttgccgt tctgtgcact gagtaaagct agacttttct ccagtcctct 360
 ttctggaata ggaaactccc aatatttaac cttcattcat ccttaacggt gtgg 414

<210> 4507
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<212> DNA
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<223> n is a, c, g, or t

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atagaaattg atgacttcatt ttcctacatt tatggaagca aattccagct tcgggcaagt 180
gagcggctctg ccaagaagtt caaagcaaag ggatcaattg acctgtgaac tctgccactg 240
gagacagatg tccctgacac tgaagaactg gaaactccct aaatactcac tttttcttga 300
agagcctctg gctgtagccc ntntctgtagt ccagggaaaa cagaggggct gaagagcatc 360
gaacaactcg ggagaaagct aggggtaaat atttgtactg ttaggtgacc ttaagttagc 420
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<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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<223> n is a, c, g, or t

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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> 4508
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 ccctgctcga tgtttctggg gccctgggag ccagcaagt ctttggctct acagaggaag 120
 ccctgcaggc cgcagccac gtactggaag cgggcgagca cccacctggg cccctgggta 180
 cgcggggtgc tatgcaagaa gttgccnga atcctgctgg gcgaggggcc agtcaatcag 240
 aaaggctaca ctctgacagc actggggcac ctagctcaga ccctgggacg agcccggaag 300
 caggctgtga ttggtggaga gcgagatcga ctttaccggg ctggaagaa ntgccagtcc 360
 ctgctggctt ggaccaacga aaacgaggct nccctcacac ccctggcgct agactngtgc 420
 caganccac cgagcccatg cntgtgacag ctgaggagat ggcaacgctt actggagagt 480
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 ctggctgaac 550

<210> 4509
 <211> 364
 <212> DNA
 <213> Mus musculus

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 <222> (127)..(127)
 <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> 4509
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actcaacatc aaggcgctgt caaggctgtg gcatgggtgtc cctggcagtc caatatcctg   120
gcaacangga ggaggaacca gtgaccggca cattcgcatt tggaacgtct gctcaggggc   180
ctgtctgagt gctgtggatg tgcattccca ggtgtgtctc atcctctggt ctccccacta   240
taaggagctg atctcaggtc acggctttgc ccagaaccag ctggttatit ggaagtatcc   300
aaccatggcc aaggtggctg agctcaaagg acacacngca cgggtcctgg gtcttacaat   360
gagt                                             364

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<210> 4510
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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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tacgaagtgg gcagtgtgga aggcaaggag ctgctgtgct gctgtggggc cattgaatgc   180
agaggggagac ttcttttagag gaagacttcc tcactttgag aacgcttgaa ctatnntttt   240
ccccaggaac tgggtcttcc tgactgttga actctgaccc caagtctctg atctagcttc   300
ttcccagctc ctagtagata ga                                             322

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<210> 4511
<211> 450
<212> DNA
<213> Mus musculus

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<400> 4511
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tgataaccct gagaagtata ataaccagc catgcttcat aacatcgacc aagagatgct   180
aaaatgcata gagctggatg agcgactgaa ggctatggac caggagatca cgggtgaaccc   240
ccagtttggt caaaagagca tgggctcaca agaagatgac tcaggaaaca agccctccag   300
ctactcttga aactaaccct catcttgagg taacagaacc ttggcctggc aagtgtgaag   360
agcgcagcag gaagtacat gcgggttcca tgccggttcc tcctggacag tcagaaattc   420

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agttttaacat ctgcagtcct attgctttca

450

<210> 4512
<211> 487
<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> (390)..(390)
<223> n is a, c, g, or t

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<222> (407)..(407)

<223> n is a, c, g, or t

<400> 4512

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gaccagaaga aattgaattg cttatatgtg gaagccggaa tctagatttc caggcactag      180
aagaaactac agagtatgac ggtggctata cgagggaatc tgttgtgatt agggagtntt      240
nnggaaattn ttcattcntt tacagatgaa cagaaaagan tctttctnca gtttancaac      300
aggcacagac agagcacctg ttggaggact aggaaaattg aagatgatta tanccaaaaa      360
tggcccgagc acagaaaggt tacctacatn tcatacttgc tttaatntcc ttttacttcc      420
ggaatattca agcaaagaaa aacttaaaga gagattgttg aaggccatca catatgccaa      480
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<210> 4513

<211> 540

<212> DNA

<213> Mus musculus

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<222> (398)..(398)

<223> n is a, c, g, or t

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<222> (458)..(458)

<223> n is a, c, g, or t

<400> 4513

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tcccttcttc attggggaca ttgtgggctg gaacagcaga tttcagctgc atatatgaac      120
aaatccttta ttattattat aattatTTTT ttgCGtgaaa gtgttacata ttctttcact      180
tgtatgtaca gagaggTTTT ctgaatatTT attttaaggg ttaaatactt ttgtctgtg      240
tttattactg cttgaggttg agcctttttg agtattttaag atatatatac caacgaaact      300
attctcgcaa ggaaaacatt gccaccattt gtagaacatg taatcttcaa gtatgtgcta      360

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tttttntcc ctgtatctaa gtcaaacag gaactttntt ctaacaattt gcttttgaaa 420
cttgaagtca aggaaacagt gtggtgcaag tactgctntt ctagccccc aagagttttc 480
tgtacaaaat tttgagaacc aataaagatg gaagggagaa cttggaatgt ttgaaccaca 540

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<210> 4514
<211> 553
<212> DNA
<213> Mus musculus

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gggctcaggc gtgcctccta aggcattgtg acacgtcaca ggaacacgtc tgaatccagg 180
gcacacattt cagtttgga gaaagaccaa tagggcatcc gcaggatctc tgccaccagc 240
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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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<210> 4515
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<213> Mus musculus

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<223> n is a, c, g, or t

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 gacatgtgag ctgttctgtg aagcatagag catctcgccc attccacagt ttctccctgc 180
 tctcctcagg agttagtggg gttggatttg tcagaggtga tgagttaaag agtcctttca 240
 cactttccag atgtgaaaca caggactcct aggagcccgc gcagcccgc gtggggagggc 300
 atccttgttg tattgtgtgg aggagcgctg ncctccact nccagaaggc tgggcgtgan 360
 cctcagacca ggctggggca agggnccttn gctgcacaat gcaaggaact tgggctcctc 420
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<210> 4516
 <211> 505
 <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> (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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 aaatgtttgg agtcttgaac ctgaagatct gtctacgac ttgatggaac gatatgaacc 180
 acaaatccaa gccacagaga gtgaaattcg tttttcaaca tggaagagag cantgatgna 240
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 ntntgccctt ggggtttttt atantgagta gcanganntt attaattgga gcnagatgtn 360
 tnntcaactg ctgaagagta atttgaacca cggacttgca atgtgtgaac tttttacaga 420
 aagaattccn tnttttagtg tgaaaccaat attataggtt tttttttacc tataggccac 480
 ttgcttacag gaacccatga ggccc 505

<210> 4517
 <211> 187
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

<400> 4517
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 cagggattgg tcctggtaca agtttcaatc tccaacccta gtgggtttct gaaacctgca 120
 actggatgga gaagctgtag gcagtattta tctgtatgaa gagttctcta cacctattga 180
 ttcccca 187

<210> 4518
 <211> 384
 <212> DNA

<213> Mus musculus

<220>

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<222> (29)..(29)

<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> (319)..(319)

<223> n is a, c, g, or t

<400> 4518

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gcgccacatt tgctgagatt atttgtgcga attggagcga tgttggccta cagcctcta 120

gatgagaaaa gccttgcttt attactgaac tatctacatg attttctcaa gtacctggcg 180

aagaattctg caaccttggt cagtgccagt gattatgaag tggcccctcc tgagtaccan 240

cggaaagccg tgtgagggcg tgctcgccct ctctccctcg tgcttggatc tctgtaaaca 300

gtttggttct tagtccttnt cttgtacaaa tgatgtactt tgaagaccgt tagtgtataa 360

cagagttggt tgtttcctct ttga 384

<210> 4519

<211> 240

<212> DNA

<213> Mus musculus

<400> 4519

tacttagtaa ctgtgaatcc ttgaagactt cagcaggctg taaacatgag ttgctcaaga 60

caaagtgccg ggctacttgt ttgtgtgaag aaaaaattca ttaacatgcc cagtgtgcag 120

caggacagac tacatgagga aggggtacag acttagttga gactgatggg gaaaatctat 180

aggagattag tgacatgtca catcccaaatt gacaaggctt ctttccttcc tagattcata 240

<210> 4520

<211> 524

<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> (41)..(41)
 <223> n is a, c, g, or t

<220>
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 <222> (48)..(49)
 <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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 <222> (87)..(87)
 <223> n is a, c, g, or t

<220>
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 <222> (103)..(103)
 <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> (169)..(169)
 <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>
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 <222> (331)..(331)
 <223> n is a, c, g, or t

<220>
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 <222> (403)..(403)
 <223> n is a, c, g, or t

<220>
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 <222> (477)..(477)
 <223> n is a, c, g, or t

<220>
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 <222> (489)..(489)
 <223> n is a, c, g, or t

<220>
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 <222> (494)..(494)
 <223> n is a, c, g, or t

<400> 4520
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 tttctttacaa gaaagcntca gcgagantct gggctatgag ccnacttgtc aactgggagg 120
 aagcaaanca gaaaacctca gagtggatag ggacaatagt ggaacagcna caggggnagat 180
 attggacaca aagtgccagt gatggaaaaa gggcaggtac atggctctgg gagttataag 240
 gtcctgtagc aagtacagag gcacaagcca ggtcctgctg tctcctgtag acacagagac 300
 caacttggtg tcttttctcaa gtcaccagaa nccttgccag tactaacc cactcacaac 360
 ttgcttcctt aagcccctgc tcagagacaa acatagctga gtntcagttc ttaggcttca 420
 gcaattacaa ttacttttca cttagaactt agtattgctt ttatttcccc cttcaantcc 480
 taaatcatnt cttncctttg gtaaaatccc gttgctttct gaag 524

<210> 4521
 <211> 367
 <212> DNA
 <213> Mus musculus

<400> 4521
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 tcaccaaccg aggcacgca caaatgttgg aaaagtacca gcagggagac tttggctact 120
 gtcctcgtgt atactgtgag aaccagccaa tgcttcctat cggcctttca gacatcccag 180
 gcgaggccat ggtgaaactc tactgcccc 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

<220>
 <221> misc_feature
 <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

<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

<400> 4522
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 agcatttcct aaaacccac ctgtgactgc agagtgagag tgctcagact cggacctctg 120
 tagccggctc ttcctcaggg caggccagca ctgcagatcc tccggcccga gccacacagg 180
 cggctgggng ctggggctgg ggnctggggc nagagccngc ctcttccaga gcttctatct 240
 tatctagaac gcgttacaca ctgttacagt cttaccggct cagccctgct tgtcttgac 300
 atctgacctt gcagaagctg ggggtgggtgg tagcatgcta attaagagaa tcagaagtag 360
 tttccagagc tggc 374

<210> 4523
 <211> 503
 <212> DNA
 <213> Mus musculus

<400> 4523
 caggctcagt gacctcctga aggagaagca gtctgtggaa aggaagtgtg cccagctgaa 60
 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 tcgcatggc ctacgcgcc aaccaccct cttccggggc 360
 cgggtgggaag ctgcagtcca gaaagggccg cagcaagagg ggcaagtgc catcagagac 420

ttgtccctga gacttcctgg gcaccacagg gtctgctggg acctttgctg agcggaagtg 480

tggggccctaa taagtacgtc tga 503

<210> 4524
<211> 553
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(293)
<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> (353)..(353)
<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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<222> (431)..(431)
<223> n is a, c, g, or t

<220>
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<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<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 aggtgggtcgg gcacaacatc tagcaaacgg atgtcccaga gccagacagc 180
 caaaggggta gactttgaat cagatgagga tgatgacgat gaccctttca tgagcagtag 240
 ttgcccaaga agaaaccgaa gataatgttt ttaatggaac ttagaaattg cnnatgatgc 300
 aggaagaaat caaagcacca catactgact tcacagctga agatgtttta ntntctgggct 360
 tatatttnat cgttttctga acggtganc ccttaancca tttcctagcc caatgataag 420
 gagattgcag ntnttcttag ccntttaacc tggttgttat tgtntctgggg ctgctctgcc 480
 atatcgagaa cattaacttc ctgacagaac tgtgttttct gcttgtaaga acttggtctaa 540
 aatcccatc 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
 attttgagg aacttgagag gacttgaggc tttctactgg gacaca 406

<210> 4526
 <211> 446
 <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> (150)..(150)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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 agatctaata ctttttgata aaagggctctt 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>
 <221> misc_feature
 <222> (213)..(213)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (256)..(256)
 <223> n is a, c, g, or t

<220>
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 <222> (284)..(284)
 <223> n is a, c, g, or t

<220>
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<222> (309)..(309)
 <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>
 <221> misc_feature
 <222> (313)..(313)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (326)..(326)
 <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> (360)..(360)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (400)..(400)
 <223> n is a, c, g, or t

<400> 4527
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 tcttcaagag agatggttct gatgtcatct atccagccag gattagcctt cgggaggctc 120
 tctgtggttg cactgtgaat gtccctactc tggacggcag gaccatccct gttgtattca 180
 aagatgtcat caggcctggt atgcggcgga aangtcctg 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>
 <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> 4528
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 ggaatcctta ccatcacaca aaacttacat cagtgtctgga aatgtaacag aaaatctggg 120
 gatgcctgac tttggttatt tccctggtat tttattaagc ttgagtatgg ttaatatatta 180
 tgctggcggtt gcattaatct caaaagatta gcacctatat tccatggatt ctctcggtt 240
 tagtccnaaa tatttttaac tgggcatggc agtacacacc tttaatccca gcactgagga 300
 ggcagaggcg gcctggtnta cagagcaagt tccagaaaaa ccacagctac acagagaaac 360
 cctntntcaa aaggaaagac aaaaagaatc cctgggaaac attttcagct ttttcagttt 420
 gttatttctca 430

<210> 4529
 <211> 228
 <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> (110)..(110)
 <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> (186)..(186)

<223> n is a, c, g, or t

<400> 4529

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gggtggnctt ttctacctgc agtcaaaggt tgtccgtgca aaggaacgtn tagatgagga 120

antccgaata caagcccagg aagacagaga gaaagggcag aagccccaaa cgtgactgct 180

gggctntcca caccagcc 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

<400> 4530

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gtcaccctgc ctgagctcta tcaggaccct gcataccagc ggataaacca caacatcctg 120

tccaccagca ctctgagcag cccagcagtg agcctcggtg gctttgcccc tgtggtcctt 180

gatggctttg gcattgcgta tgctgttcac gatgactgga taggctgcaa tgtctcctcc 240

tactcaggac gcaatgcccg agagtttctc cactgtgtcc agaagtgctt ggaagacatg 300

ttcgatgccc tcgaagncaa agccatcaaa acttagcttc ttggctgatg 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 caagtgcctt cccaggaggt gacagagttg ctgagagtca 180

tgattcatcc tgaccagag agaaggcctt cagcaatgga gctggtgaag cattcagtgt 240

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tggtgtctgc atctagaaag agcgcagagc agttacgaat agaattgaat gctgaaaaat 300
tcaaaaattc tcttttgcag aaagaactca agaaagccca aatggcagcc aaagttgcag 360
ctgaggaacg ggcactcttc acagatcgga tggccactag atccaccacc cagagtaata 420
gaacttctcg acttattgga aagaaaatga accgctctgt cagccttact atatactgaa 480
ctgctca 487

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<210> 4532
<211> 285
<212> DNA
<213> Mus musculus

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<400> 4532
tcattcagca cggagcagca tgggaagata agaagactga gtcaggactg gctgactgca 60
gcctgcaact ggcaaacatc tggtgcctgg gcagacagcc ctccatgctg tgacagctgc 120
atgcggctcc accgtttccc ccaaactctg cccatacaca tcagcaggaa ctgtggctga 180
catgagacac tgctggccta cacggactag agaccagcag ccccccgagc cccatggcat 240
taccattga ttactgatg agcaccttca aatgtgggag tccca 285

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<210> 4533
<211> 445
<212> DNA
<213> Mus musculus

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<220>
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<222> (175)..(175)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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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

<220>
 <221> misc_feature
 <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> (333)..(336)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (347)..(349)
 <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> (380)..(380)
 <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

<400> 4533
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 ttggaatgga cctattgggg tatttgaatg ggatgccttt gctaaaggaa ccaaagctct 120
 catggatgaa gttgtaaagg ccacctccaa tggctgtgtc accattatag gagngggaga 180
 tactgctact tgctgcgcca aatggggcac tgaagacaag gtcagccatg tgagcacagg 240

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aggtggggca agtcttgagc ttctggaagg taaaatcctt ccaggggtag aggccntcag      300
caanatgtaa ttntcataat ntanttgnnt ncnntttcc tgcgcannng gaccagaacc      360
aantcaacct aacctataat tcaacatttg ttaacntnta ctatgaatca agaccaggt      420
aatgagctag cagtgaacca tcaat                                             445

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<210> 4534
<211> 294
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (254)..(255)
<223> n is a, c, g, or t

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<220>
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<222> (267)..(268)
<223> n is a, c, g, or t

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<400> 4534
ggaaacaatt tcacgttctt cttagtacca tccatgaact tcaacagaca ttggagaatg      60
atgacaagct gtcagagggt gatgaagctc aagaaagcac catggaagca gaccctaagc      120
cnatagatgg actgaccntc nccatttaca gggacagcga atagctgcat gggcttcctg      180
ggttcagtgt gttgtacttt tgggatatth caacttcagc attgaagtac ttgctttca      240
agtattcatg tgtnnctgtc atatttnnct tcacagaacg gaaatgtatc ccat          294

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<210> 4535
<211> 537
<212> DNA
<213> Mus musculus

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<400> 4535
gggtgtgaca acatgacgtg catcatcatt tgcttcaagc cccgaaacac agtagagctt    60
caggcagaga gtggcaagag gaaactggag gaggcactgt ccacggaggg ggctgaagac    120
accggcaaca gtgacaaaaa gaaggccaag agggactagt ggtcaaccgg accctgcca    180
tgtggactgt tttctgagcc cttggaccg agactgagtt ttgtccttgt cctttagcct    240
tagcagtggg tatgaggtgt gcagggggct ggggtggcttt cctcagccca ttacaaagag    300
ggccccccac cccccccacg cggcagcctg ggaggctctg ctgtcctctt aagcctcctt    360
actctccttg ggctcatcga ctatcggttc tgtgcctgtg ctctgtttgt ttggagggaa    420
ggactggtag ttctgatttt tactctgtga acactttatt taaggacatt cttttttatt    480
ggcggctctg tgacccttag ccgcttgac ccgctctctg ttgtacactt tcaagca    537

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<210> 4536
<211> 130
<212> DNA
<213> Mus musculus

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<400> 4536
ggaaccaaca ggatgaagca attacctggt ttaatgtcat ctatccccgg acacagcttc    60
caacctggcc acctgaattc aaacccttgg agatattaca gaaaccagga gaaactgtct    120
ttgtaccagg                                     130

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<210> 4537
<211> 428
<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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<400> 4537
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 agagggatga actggtccgg gacctggacc agaaggaacg gatcgctctg gaggaagatg 180
 agcgcctaga acgaggcctg gagcagagac gtcgcaaggt gagccggcag ctgagcaggc 240
 gggaacgctg taccctgagc tgagtctcct gtctggtttg tccctttctc tggctcgtgga 300
 ccgtnttcgc cactccccca gcctgcacag cagaggccag ntcccatgc tccttcagcg 360
 agcagaagca agactgacca gactctcggg ctggagcagt gancctgcta gtgtttatatt 420
 atccgagt 428

<210> 4538
 <211> 433
 <212> DNA
 <213> Mus musculus

<400> 4538
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 ggccggtggg ctgccacca cgggggacaa agatatatta gacatcgttc ccaccgagat 180
 ccaccagaag gcaccagtcg tcatggggtc ctctgaagat gtgcaggagt tcctggagat 240
 ctacaggaag cacaagcca agtgaaggcc agccttgccc ctgccccaga gcagagctca 300
 agtgacgcta ctccattctg catgtttgtac attcctagaa acaaacctaa cagcgtggat 360
 agtttcacag cttaatgctt tgcaatgccc aaggctcactt 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 catggacca 120
 gaacatgtag agctggtgaa aaggacgatg gctggagtaa gcctgcctgc accaggggtt 180
 cctgcctggg ctgggagat ctgggacgt cagtgggaag atgtggtaca gaaagccctc 240
 caagcccggc aggcacccc tgcttgaag tgaccagaga gcgagctgcc ttacctcct 300
 acattccaag tcaggaccag cacaggacta acaactctgg tcttaacagc ctctccttc 360
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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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 cttggcctcg gcagtgtcgg gctacgtgca ggctctggcc agtgcgggcg tggtaggtgt 180
 cctcgccctg ggtgctcctg caccgcaggg ctgcgctgta gctgtggctt ctgaccgctg 240
 ctccatccac ctgcagctgc aggggctagt ggaccagcc cgggagttgg gcaagctgca 300
 ggccaagcga agtgaggcac agcggcaggc tcagcggctg cagngagcgc cgtgctgcct 360
 ccagctactc agcaaaggtg ccccttgagg tccaggag 398

<210> 4541
 <211> 509
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (204)..(204)
 <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> (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

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 <222> (350)..(350)
 <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>
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 <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>
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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

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 accatcccca gcacgatctt cccacctcaa gaccccagct ggtggggccgc agacaccac 180
 aagcactcca gccctgggt ntgntacacg cacaccctc acacaggacc cagcctccat 240
 cacagacaac ctgctgcagc tccctgcccg acgcaananc nttcagactt cttttagagc 300
 caggcctgac tggacctgtg gatgttttgt ggaacacttt gtggagcatn tagggcangc 360
 ttnttaccac tcagaggatt ccagncttg 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 caagctcttg 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
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<210> 4544
 <211> 494
 <212> DNA
 <213> Mus musculus

<220>
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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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 aggtagacaa cttcctagac ttagaagatg tggacatgga ggaagagagt aagccccaga 180
 tgaacaagga ttgcctgcta cttccagggtg aggtggaaca ggatataagc accagcgttc 240
 catcttatga tccttctgtg gacctaccgc tcacctctga ggtgaggcca aagcctgctg 300
 tgggaaggac tcagaaacaa accgaagaga tancctggag 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 cagctgggtc 120
 gcctctgcta caattctaac cacgaaaacc tgaagcctca gtacttggaa cagctacctg 180
 cacagctgaa acaattctca ttgttcctgg ggaaattcac atggtttgca ggagaaaagc 240

tgacctttgt ggattttctc acctatgatg tcttgatca gaaccgtata tttgagccca 300
 agtgtctgga tgagttccca aacctgaagg ctttcatgtg ccgttttgag gctttggaga 360
 agattgctgc attcctgca 379

<210> 4546
 <211> 488
 <212> DNA
 <213> Mus musculus

<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> (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

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 acatccaaag tgaggctttt ctatgtttga gagaatttgt gtgcacttct aagaatttgg 120
 ccgggggag gaggaagctg aacttgttct ctgcacacct gactgggata ctccagctga 180
 ctcactcctt caacacagaa cccacctgtg caccaggaaa ccagctctga atagacggcc 240
 agtggctttt ctccaaaac ctccatcttc actgacaaga ctaaactccc aaccccagcc 300
 aaaggcaggg ataagcctcg actccttcct ggcgcaaaca tgggaacaaa ccctcccagg 360
 agccacgctg cgcntgtca cctncctgcc tcctccttgg gcccncacag gctttcttta 420
 gccntctggt tttgaaaaaa ttttaccttt ctgaccatt taggtttttc ctaccacttg 480
 tatttcat 488

<210> 4547
 <211> 505
 <212> DNA
 <213> Mus musculus

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 <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

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 atccagaagt catggtggct ttccaggatg tggcccagaa cccatcaa atgtcaaaat 120
 atcagagcaa cccgaagggt natgaatctc atcagtaa atgtcagcaa gtttggaggc 180
 caatcgtaat gtcaaagccc ttgctgaatg aagaacagct tagctcactt cctggatggt 240
 gcaataatac aaaccagtgt acctctgacc tcaccgggag agctggggcg cttcgaagat 300
 aatccctacc ctctacatca aatgctggctg aggcatttta cagtgggttg ccattagcgt 360
 gtntcattca gataatgttt tcttactagg aattacaaac ttaaaacatt tttcaacctt 420
 taacatatat tgtaaaaact taggggagtc aattcctcca ttttcttta ctaacttggg 480
 cttttccttt tgaattactg ggcag 505

<210> 4548
 <211> 563
 <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> (418)..(418)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (504)..(504)
 <223> n is a, c, g, or t

<400> 4548
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 cggtggccac tctgtgagaa gacatctctt tctgctcact gcttgcaata aaaactattc 120

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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 aaactgttct 420
ttgggttaac acggggttgt gtcattaaag gtttcttacg ttactgttga gtcagatatc 480
taagggttag attcaggtgg cctntcctat tttgttttga gggagtcatt aaccttactg 540
tcactaaata aaccctgtct ggt 563

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<210> 4549
<211> 429
<212> DNA
<213> Mus musculus

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<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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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 cgagtccttg aagctgcagc 360
gcgcgggctg ccacccact cgntcttccc ctccgctgtg ctccattccg cactgggaag 420
ccctaagga 429

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<210> 4550
<211> 411
<212> DNA
<213> Mus musculus

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<220>
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<222> (347)..(347)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (386)..(386)
 <223> n is a, c, g, or t

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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 agacttncct tcttcaccgg 360
 tgtgatcggt 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
 gatctgggtt ttcgccttcc aaggctacta acaggaagtc tggagcctgt gaaggaaaac 180
 atgaagggtt atcatcttga acttgggttt aaacataatg aaattcaaca tatgggtcatc 240
 aagattccta agatgctaac tgcaaacaaa agaaaactta cagagatttt tgattatgta 300
 cacaatgtga tgaatattcc ccaccacatc atcgtcaagt ttccacagtt atttaacaca 360
 agagtgttta aaattaaaga aagacacttg tttcttgcct acctgggaag agcacagtat 420
 gaccagcaa aacctaaacta tgtttctttg gacaagttcg tatcttttcc tgat 474

<210> 4552
 <211> 557
 <212> DNA
 <213> Mus musculus

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 <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> (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 ggcaaattggg 180
 gttggggggag ccacaagcct gcagtgaatg tgtagaggtc tctctcactg acctcacact 240
 gtccgttagt tggttggctg tccgtttcac tatcacttat taaaatatag ggttttcctt 300
 tcgctttggt nttcatatnt taagcancca aatccttcna aacngcctaa gtggaaatct 360
 tactacaagt ttatgaaata tttaaacttc tttttcactg tcnaaattct gatttctaac 420
 atgtaatagc tattcctttt tttctggata ttttatcttt gatTTTTTTT ttctttgctt 480
 accctttttc attctcagt tctgacttgg agactttggt ttaaaaatta tttgtcctga 540
 tgcacttttt gcctaatt 557

<210> 4553
 <211> 480
 <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> (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> (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

<400> 4553
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 ccaaagtacg ttgcattggt gcggtgtcac caattacgga gattggaaag gtacgaacta 120
 ttactcagaa acaggatttc ccaagagctg ctgtaaactg gagggctggt atccacagag 180
 agatgcagat aaagtcaacg aagaggggtt 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 cagcgggtgag gatgaaagca gtgaggatga agcacgtgct 120
 gcccgggaca aagaggagat ttttggtagt gatgctgatt cagaagatga tgctgactct 180
 gatgatgagg acagagggca ggcccacagg ggcagtgaca atgactcgga cagcggcagt 240
 gatggtggtg gccagaggag ccgcagccag agcaggagtc gtagccggag tgccnagccc 300
 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>
 <221> misc_feature
 <222> (368)..(368)
 <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 atgggtcaact cttgagatgg 240
 tgcacgtaga aaaccacgc acttgctcat ctgcgcacct gagttgtgat gaaaacaact 300
 aattttttta atcttccacc gatttttant tttagctgca gaattagatn tgcattccag 360
 accttggnct 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

<400> 4556
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gaagagggct ctgtttggcg tctacgacaa cattggaatc ctggggaatt tcgagaagca 120
cccaaaagaa ctgatcaagg gcccagtatg gcttcgaggc tggagaggaa atgaattgca 180
gcgtttgtgtc cgaaagaaga aattttgtggg aaacaggatg ttcattgagg acctgcataa 240
ccttaacaaa cggatcagct atntntacaa acactttaac cgacatggga agtacagata 300
ggacgggaaa tgtgtcacc c tggagaaggg gaacaggact tatcccagca aggagagagc 360
tttgtgtgct cgatgtaata aa 382

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<210> 4557
<211> 395
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

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<400> 4557
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ctttgcctgt ctcttggctc ttaacaatgc ctaccctctt gttccccctc gttcatttcc 120
cagtccagcc attttccac tcctaagttc tttactgtta agaatgagag aatcgtcaga 180
agtaatatta gtgagtagaa ggatagctgt caccgaccc cattcaaatc agagtggacc 240
tgtgaaactc tcaagtgaca tccaaggtct tttgaaatca tgaccaaatt cccgtgtctg 300
acaacagttc cagagaactg aaagaaatgt attnctcncc catgagacag atttttgtnt 360
cttgagtttc ttgggacttc tcacaaatac ctggg 395

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<210> 4558
<211> 406
<212> DNA
<213> Mus musculus

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<220>

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<221> misc_feature
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 <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
 attcccatc gccaaatgaa agacatcgac cagcacacaa gataccatgg acctgtgttt 240
 agaccaagaa agccacaaaa ggagtgaana gaggcaggaa gngggcactg gaacacgcaa 300
 gagggttgna ctactcggcc tttcttccat tccaagttaa gtgggacaca ggccttcct 360
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<210> 4559
 <211> 515
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (65)..(65)
 <223> n is a, c, g, or t

<220>
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 <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

<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

<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> (293)..(293)
<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> (349)..(349)
<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> (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> (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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gggtcccaag ccagagtgag agtcaaactg agtccgacat cagtacccaa agcctgcgga      60
agccnaccat gtcgtatgtg attctgaaga ctttggtgta caagcgggta cataattgtg      120
tgtcccttgc taccttgaag aaagctgtgt ctatcacagg gtacaatatg acccataaca      180
cctggcgctt caagcgtgtg ctccagaatc tactcgataa aggcattgatn atgcatgtga      240
cntgctgcaa ggggtgcntcc ggctccctnc tncntgtgac aaggagcggg ccntcaantc      300
caaccacagg gccaagagat gccaggacag acagaagagc cagaagccnt cagaagcctg      360
ggcagcgtga ntntgaacca tgccaattgn tantaagntc caaaaagaag aatgaccagc      420
ttttcaaagg antccgtagg gtggccaaag gcaaccgcca ttgccattat taaggcagnt      480
caggcgggggt gccaggcttg ccaccaagtg ggaat                                515

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<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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gcagctgttg catttgcagg tcgctatgca tttcagatct ggaaacctct agaacaagta      60
atcacggcaa cagcaaggaa gatttcctct ccaagctttt catcctacta taaaggagga      120
ttcgagcaga aaatgagtaa gcgagaggct agtcttattt taggtgtaag cccatctgct      180
ggcaaggcca agattagaac agcacacaag agaattatga ttttaaacca tccagacaaa      240
gggtggatctc cttacttagc atccaaaata aatgaagcaa aagatttgct cgaagcatcc      300
agcaaagcta actgatgcta aaggactgta cataccgagg gaaaatggaa caaacgcaca      360
gctgtaaaag tccttcagaa gaatgtggca cgtgntcgtg ttccatactg acccagtctg      420
ttttctgtca ttaa                                                    434

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<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 agtgaccac atcagagtcg tagtgaaagg catggggcca ggacgctggt 240
 ctgccatcaa aggactgacc atgggggggtc tggaagtgat ctcaatcaca gacaacaccc 300
 cgggtcccaca 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

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<400> 4562
ctggtctgag aaagaaagta cactaaagcg agcagagaag agagacaaag agctcctaaa    60
ggctgagttc ctcctggtct accatgactg cgtgctccct cttctgact cgacactgct    120
gcccccttt aggtgggccg aggaagagac agaggctgca agatggaaag ccattgctga    180
cttcctcaag cagagccggg agaacgaggg ttccctgaag gctctgctgt caccagatgg    240
agttcacaaa ccatttgacc tttcggagca gacctttgan ttcttngggt gaaataagaa    300
agaantcagg ctaatggcga ccatgntccg attcccactg gaccagggga gcttccagga    360
agacttgctt 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

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```

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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<400> 4563
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tggatgctct caggagttcc tggcttgaga aagaaagtac actaaagcga gcagagaaga    120
gagacaaaga gctcctaaag gctgagttcc tcctggtcta ccatgactgc gtgctccctc    180
ttctgcactc gacactgctg ccccccttta ggtgggccga ggaagagaca gaggctgcaa    240
gatggaaagc cattgctgac ttctcaagc agagccggga gaacgaggggt tccctgaagg    300
ctctgctgtc accagatgga gttcacaaac catttgacct ttcggagcag acctttgant    360
tcttngggtg aaataagaaa gaantcaggc taatggcgac catgntccga ttcccactgg    420

```


accagggag 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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 taggttttgt ttggtttcat ttttaattact ctagggaata cactgacgaa tggtcagcgc 120
 tcctgtcctg atcttttcat caaggcgcct ttcctgtact atggttcagc tgtgaatgta 180
 gctatgg 187

<210> 4565
 <211> 571
 <212> DNA
 <213> Mus musculus

<400> 4565
 acggctgtcg catccatgtc attgaccaca gtggcggtccg gctcggagag tatgaggatg 60
 tgtccaaagt ggagaaatac gagatctcac cagaagctta cgaacggagg cagaacacag 120
 ttgatcctt catgaaacgc agcaagctag gcccggtacaa tgaagaactc cggggccagc 180
 aagaggcaga ggctgcccag cgtctcagtg aggagaaggc ccaagccagt gccatctctg 240
 tggggagccg ttgtgaggtg cgggcacccg accactccct tcgcaggggc actgtcatgt 300
 atgtaggact cacagatttc aagccaggct actgggttggt 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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 atctccttga aaagctggta gcaacaaggc tcggctgggg atgggtgtttg acttgggagg 120
 aaaaagttgc tactgccatt aaaggcacta gagttagtgt gctagccctg aataatctca 180
 gtttctaaaa acatgcagct tccttcaccc cttttttatt tttgaaagaa tacatttggt 240
 cataaagtga aaccctgatt agcgagtacg tggcaatggt cattccgggc 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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ggatgaagac ctgctgttcg aatagctgcc ctcgtctgct cccttcagac tgagcatcag      60
ctccatgtta actcagtgtg taggttcggt atgtgtggat atttattttg gcatatgaat      120
ttctctggct gtaagattta tcagaatgcc nttgtaagac tttttcctgc atcataattc      180
agcaaccgga gatttgcaaa acctgcccag caa                                     213

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<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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tagcgcaatt actcctgttc aaggagcacc tccatgtctt ctgggatgga ctctcttgga      60
aacttagcca gagcacctct gagctaaaag acagtgaatt gtggaataaa ttctttgtgc      120
ggattctgaa tgccagtgc aagtccacag tgtctgttct gggggagctg gcagcagaaa      180
tgggtggggc ttttgatgcc acattccata gccacctgaa cagagccctg tggaagctgg      240
ggaagacaat cagcccggaa gctttgtca ctcagcaaga caagcagcca ggcggctccc      300
agagccctgc ctaagccatg ggnatggtga agaactggtc tggggctgct gtgatttggt      360
tagagcacac ttagacacat cagcagtcct tcactagggg tcactctcag tagcacagct      420
ttcagccagg tggctgtgcc ctggcagcct catctgggtt at                             462

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<210> 4569

<211> 334

<212> DNA

<213> Mus musculus

<400> 4569

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ggttttgctg ccagactct gaaaagttgg gactctgtga agccctgctt accacgagcc      60
tctttctgtt cctaacagta gtttacaagg acacagatgg tttgtattgt catcggatcc      120
agttgtcatg gacctatgcc 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

<220>
 <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>
 <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

<400> 4570
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 gcctcagccc tgagtccaag aagatcctga cacctacact caagaagcgg agccgagccg 120
 gccgtggaga gaccaccaag ccagaggagg gactgaacg gccagagccc atccagcctg 180
 tgacactcaa cctgtctttc aagcgctatg tctttgacac ccagaagcgc atggtacaga 240
 ctccctgaat gaaccatcct gccagctgc aagccagacc acagtgccag atgccccag 300
 acatgcctcn acctccccag ntntgaggn agtcaacccc atcccactgc cattgcactg 360

ttattgagcc ccnattgaga aaacctgggg aaaatgagga acagtgccag gaggnccctnc 420

cactccatcc ctgaaccac 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 ccatttaaatt 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

ggtctattca aagctgcac ccgcacatta cccacccgca gcagctgggg ttccagtgca 60

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 tntnttttcc 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 cccaccact gtggaaatgg atgaaagtcc agcccaaggg caggggcatg 240
 ctgggaaatg ccatcaaatg gaactttacc aagttttctca ttgataagaa cggctgcgag 300
 gtgaagcgct atggtcccat ggaggagccc caggtgatag agagggacct gccgtgctat 360
 ctctagctag ccctacaa 378

<210> 4574
 <211> 353
 <212> DNA
 <213> Mus musculus

<400> 4574
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 gcttggtgccg ggaagaacac cgaaaaatcg aggagtgcgt gaagatggct catcgagcag 120
 gtctgttacc aaatcacaga ccacagcttc cagaaggatg cttaccaaag gataaaccca 180
 agctcaaccg ctatctgact cgctgggctc ccaagtccgt caagcccatc tataaaaaag 240
 gccaccgttg gaacaagggtg 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 atatacgga gattcctcgg ctttaataact tgacttgtga tgaatcggat 120
 gtcaaagact tagcttttaa gttaaaaagg aagctgttca ccattgagcg actgcatttg 180
 cctccagact tgtcagacac agtggggccgt tcaagcaaac aggatctggc agcatccacc 240
 gcgcggctgg gtgcaggctg tagctccatg gccgaaaggc aagaagcacc tggacttcta 300
 gggaccctcc gtagtcaccg agtgcggaagt tatcttgaca ctctgattag gactgctagt 360
 agttcatgta aacatttntc ttaatgatct gaccctccag actttgagaa atacaaggtc 420
 acaaagtgga nccaccatcc ttaagtttga gttgtttcat gatttatttt ttntactga 480
 cttttgtaca aacataatat ggcagaaata ctgccatttg acatttagct gctg 534

<210> 4576
 <211> 274
 <212> DNA
 <213> Mus musculus

<400> 4576
 acttcaggac ctgttttcta agcagttaca gccaaagagc tatgcaaaac tgtctggctt 60
 gggtcagcca aaggtccagg ctacaccact gcatggaaac caggaagcaa ggagtgcact 120
 cactgcaaag ttcttcccag gagcagttac ggctggaggc taaaaggag agcttttcca 180
 acagagaggt ggggactaag tgggcagcat atgcctggcc atctgttact ctctcgcccg 240
 cacactacaa cacacatgcc catgacagca gggg 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 aagggtcccag aagatctgtt caatggtctg 120
 aaagtcgcag atcctcaaga aggagagtct gccagcccca tggtttctga tcccaagggt 180
 cagcactgcc agagcaagct gccgaaggct gctgaagccc atccacagga cgaccatgtt 240
 gaagaggaat gttttcatga ctgtagtgcc tcgtttgagg aggaacagcc agggg'gcac 300
 gtggcagga 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
 tacagctaca gctgcgcggc cacgatgcag cccgccgcct gcgcgccctc gcggatcagc 60
 cgcccgtgc cctgcgtcgc cgcgtcgtga ggttcaagga cactttcacc gaggaactcc 120
 gccgtnggcg ntccgggacc gtccagggca gcagaagggt ccgggcgcca aagcgtaann 180
 cacgggactg gaccctcccg ggccgaggtc acgtaccctg cccttcagtg atctacaccg 240
 acctcagcag tcacgagtca tctccaggac gctacgtcgc ttgaatcct aactcggatt 300
 gtcctacaga tgcctaaagt caaatggaca tgtgcccggt agtcctgcag acgtaaag 358

<210> 4579

<211> 375
 <212> DNA
 <213> Mus musculus

<400> 4579
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 ggttcccaat gtatcatcca ctccatgaac catggagaag agagccagtc cagcccatcc 180
 cttctcacag caggagccgg gaagagttcc tttcctcagc ctggccaatc tcttgtcatc 240
 tccacagcca ggccaaaatc tgtcttcatt ggtaaagtc caaggaccag cgggtgggagg 300
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<210> 4580
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggtcatcagc ttggtggcgg gcagttcttc tnnnaaggca gaagtctcct cactgaggca 180
 gacaatgcat gtggagttgg atatggaagc cttgtgaagg gcagacctcc ccaggcctca 240
 ggactattct gtggaggaaa acctggcnnn nncnnnnnnn nnnnnnnnnn nggaggcagg 300
 ctggcagggg gggagggntt ttgacagtag cacagaccag acatagcggc atagctatgt 360
 accagagtgt accagaggct ggcaggcagt ggcagatgtt ggggtcattc aaatcctcac 420
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<210> 4581
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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> (310)..(310)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<400> 4581

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ttatgcctga gcgcttcttn agatccaaca ggaagccatc tcattacacc cacacccagt	180
tatttgccct tcggagctgg tccccgatcg tgcattggag aggctctggc ccggcaggag	240
ctcttttatct tcatggcctt gctgctgcag aggtttgant ttgatgtgtc agatgacaaa	300
cagctgcccn tgtctgggtg gtgaccccaa ggtgntcttt ctgatcgacc ctttcaaagt	360
gaaaatcaca gtgcgacaag catggaagga tgcacagggt gaggttagca cctagaggcc	420
gaat	424

<210> 4582

<211> 334

<212> DNA

<213> Mus musculus

<400> 4582

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ggttcctagg aatacagtat caaaatctat taagaataac attaggttgt cggaactact	120
aagcaatcct aatgtactca gcaatgaact caagatagaa ttcctcatcc ttttgcaa	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

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tgacgctggt agatgagact aacatgtacg aagggtgtagg 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

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 ccacttgact accccttgag ccctccgaag atgagattca cctgtgagat gttccatccc 120
 aatcatctat cctgatggca gagtctgcat ctccatcctg catgctccag gtgatgatcc 180
 catgggttat gagagcagtg ccgagcgggtg gagcccagtg cagagtgtgg agaagatcct 240
 gctttctgtt gtgagcatgc tggcagagcc caacgatgag agtggagcaa acgtagatgc 300
 ttccaagatg tggcgggatg accgggagca gttctacaag atcgccaagc agattgtcca 360
 gaagtctctg gggctctgag gctaccctg tgcacactga gcaactctgct 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
 aaaaagggtg ccagggtggc caatgctcgg ctggatacct tcagcaggga aatcttccgg 240
 catgagaaac tcaagaaggc tgtgcggctt gcccggggtc gggaccatta tatcttttct 300

<210> 4586
 <211> 475
 <212> DNA
 <213> Mus musculus

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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

<220>
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 <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> (357)..(357)
 <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> (421)..(421)
 <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 ttacacggg 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
 gcgacgccgt ctggctactt agccacgata acgatggcta tggcgccctac agcaaccacg 300
 gcaagtacat cactt 315

<210> 4588
 <211> 455
 <212> DNA
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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 accaacaatcc tgtccaagac ctggccanct 420
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<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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 cagcaccac ccgaaccant cctccacagc nctcctgac 480
 cctntaagcc ccctccagga cctatgcagc actaanatcc ctctcaccat tcatgtntct 540

ngcctgcccc aaatatatcc atctgaca

568

<210> 4590
 <211> 530
 <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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 <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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 <223> n is a, c, g, or t

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 <222> (479)..(479)
 <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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 tctgactcca gacaaccaca atgccaggta cgggggtctc gagcagcagc cagtgcagat 180
 cccattttgc agtaagattg tacctcagng gtacaattcc tcaccaagga agtggctgca 240
 gggacactgg tgccacggct cctggggccag cccttatgtc tgaaanctgg ttgccaacag 300
 ccccgagcca aggcaaggat ttgtgtttgc caaaaatgtt nctggggacc cagccagtgt 360


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gggtctgaac atccccgccc acccccagac tgcattntca tcagggtttc ttgtgccnt      420
tctgctgtgg cagtgacaac tgtgcctagc cggggctgcc acagctccca ggtattttnt      480
acaggaccat ctgagcgggc anccaaacct gcttcacagt atcaataaag                    530

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<210> 4591
<211> 343
<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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<220>
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<223> n is a, c, g, or t

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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

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<210> 4592
 <211> 523
 <212> DNA
 <213> Mus musculus

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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> (370)..(370)
 <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> (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

<220>
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 <223> n is a, c, g, or t

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 gtttccgcca gcagagagat tgcagccttc ttccctgact tcagtgaaca gcgctgggtat 120
 gaggaggagg aaccccagct gcggtgtggt cctgtgcact acagtccaga ggaaggtatc 180

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cactgtgcag ctgaaacagg aggccacaaa caacctaaca aaacctagga gaccagcca      240
agtaaagtcc cgaggactgg tcgcagtgtt cagcccttcc tcctagggtc aggggaaggtg      300
gtctgaaggc actgtccctg ttggaccctt ccatgagctg gcgagntcta gccgaccaca      360
gntcagctgn ctgcagtcca gttctatnta cctnttctg tggagtantc atgggtgttc      420
aggaaggatg gtgacgntc tttttacaaa ggactntcnt ccttcctcaa gaaagagcct      480
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<210> 4593
<211> 532
<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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<220>
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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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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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 <223> n is a, c, g, or t

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 catgtttaat aaagccaagc gttagtatta gtttcaatgg ggaaaggatg gacatccaag 180
 caggaagtgc atgcaggaac acggagatct ctttcaagtt gggggaagaa tttgaagaga 240
 ccaactgcaga caaccgaaaa gtgaagancc ttataacctt tgaagggtggn tnaatnatnn 300
 caggtccaaa aatggcttgg caaacagaca acaattaaaa gaaaaattnt ggatggaaaa 360
 atggtantgg agtgcaccat gaacaatggt ntncagcact nngatntacg aaaggggtgta 420
 gcagaagggg 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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gatagtgtgt gttgctactg tgcttctgtg cctataagac tattgataat ttgttttagtc      180
atatatggtc agtagtctgt cttttcaagg tcatctgcta atagaatgta tgcccatttg      240
caaaactgtc ataccactga actgagctta tgttgactg tggatttctc cactgacaaa      300
gcttatttac gacatcctaa aagcagcggt ttttctatct gtgaaagtta ctgattgtac      360
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<210> 4595

<211> 477

<212> DNA

<213> Mus musculus

<400> 4595

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caatgagtgt ccatgtgatt ttgactgcaa atttcgctta ttgatttttt agcggagacg      120
tccttgctct tacttggtga tcaggagagg ttttcttagc ctttctaagt gttcccaacc      180
cgtgcgctgt agaacagatt gcgcaactg acagcagagt aaaagggggc ggggcttcac      240
ttccggcatc ccaccagtcc acgcccgcg ttttcacctc tccagactcg ccactccttt      300
attcatttgc aactgcaaatt gtagcaattt gcaatcctaa tacagggcca gggcgggtgga      360
taccttaaag ttttatttga cttcatttag tgctttctgt ccatttttaa tgacttttgt      420
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<210> 4596

<211> 404

<212> DNA

<213> Mus musculus

<400> 4596

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ccatctctga agcaacagga tctgagacta aaaaaagtgg caagcctgga cttttcttgc      180
tatctggttc cagagacaaa actattaaga tgtgggacgt cagtactggc atgtgcctta      240
tgactcttgt gggatcatgat aactgggtac gtggagtctt gttccattct ggggggaagt      300
ttattttgag ttgtgctgat gacaagaccc tccgtgtatg ggattataag aacaagcgat      360

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404

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 <211> 549
 <212> DNA
 <213> Mus musculus

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 <222> (186)..(186)
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 <222> (244)..(244)
 <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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<220>
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 <222> (424)..(424)
 <223> n is a, c, g, or t

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 <222> (484)..(484)
 <223> n is a, c, g, or t

<400> 4597
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 ttggaagagt ctcattggggc aagtgggagt gtccaggaca caagcaataa cagcgtggag 120
 tagaaggctg agagaaatgg ctggtctctg tggctttgtt tcatgtagcc caggctagtc 180
 tcaganttgt catctgggag gctagccttg agctgcttgc tgaccctccc acctctgcct 240
 tccttggttc tgggatgggtg ggcacgtgcc cccatgtccc acatcagctt tcatccatgt 300
 tattgtgggt tgcttggttt gctttggttt ttcaggatgg ggcctcattg tgtagctctg 360

actntcctgg aactcactct gtagnccttg aactcagctc cacctncctc cctcccaagt 420
gctnccatta aaggcgtgtg ccaccatgcc tgaactgaga ggTTTTTTTta 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
tgcattttta atattctcagc gcaatgcagg tggccgacaa gaagattgaa ggggagaaac 180
atgacatagt gcggcgtggg gagatcatag acaatgacat ggaggacgag ttctacctgc 240
ggcgcttga tgccgggctc ttcatactac agcacatctg ttacatcatg gcggagatct 300
gcaatgccaa tgtccccag attcgccagc gggttcacca gatcctgaac atgcgtggca 360
gctccatcaa gatcgtcagg cacatcatca aggagt 396

<210> 4599
<211> 445
<212> DNA
<213> Mus musculus

<220>
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<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

<400> 4599
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 gcaagtacta taaaaacggt tatgttaaaa tgtttgtttt catgtagatg ttttcttgat 120
 ctaagcaaag gctatcttcc ttggctctac aaataaacat gccgagaatg aaggaggccc 180
 atgtggttgt taatgtgaac acggctatgc agtagggatt tcggaaggga ttaatctcaa 240
 atattctgct ttttaattct ttatattatt tgtaaactgt gtgttcccat gctattagga 300
 agtgtatatc taggaatgga tatacgtat cnaatgggtc atagggantn ttccacactt 360
 cttccatnta tactgcaata aaaatactgt gatntacttt ntagtattcc ttccccctag 420
 gtttctcaat aacaggtaca ccaa 445

<210> 4600
 <211> 533
 <212> DNA
 <213> Mus musculus

<220>
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 <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 tgggtggacaa ctcaaaaag cgctaccggg 120
 ccgccagtgc cttcttcacc tacgtgtccc tgaaccagga gggcaagcca atgcctgtgc 180
 ctgagcttgt gccagagacg gaggatgaga agaagcgctt cgaagaaggc aaaggccggt 240
 atctgcagat gaaggcgaag cgacagggcc acacagagcc tcagccctag gtgtcttcct 300
 cctgtcccgg gtcagcacag ttgtggcaat agcccagtat gcagtcactt agaaattgcc 360

cccttggcca aacccccgat ttccactgag agctggtggt gtgtgaagtg ttgagtggca 420
 gtgttcccta tggcccatcc ccaaaaacct gtgcacaaa 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
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 ctgggggactc atcccgaaac ccaagtgcct atgggggttat tgcngctgct ggggtgttga 120
 gtgccatcct ggtttcggcc acccttctca tattgctacg cctccgaggt caggggttatc 180
 tgccccacc 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

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tcctctggag ggcccacat cgaggaagt gactaggctt gcgctggagt ccgcgtaaac 120

ctcttttctt ttntnntntn ttttcttttt tnttttttnn ctttttctcc cttttgtttt 180

ggtttctttt aaatgtcctt gtgccaagta agatctatta ttggaagtct ttagcctggt 240

gcatacatat gaaaggaaag gtgcaacaac ttagtttagt tataaaaggt tagttctaaa 300

antttgattt gggggaaaaa tgaggttnt ctttaatgca tttagagcga ttgctgattt 360

aagntntttt tgttgttggt 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 gcccgagggt atggaccctg gtatcaatth ccaaccctg aaaaggagtt 120

cattgatcat tctccaaagg caactcctga caactgatga ttcatttgct 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 cgggctgtgt gcggccacag ccaccatcct ggacaaacct gaagaccgcg 120
 tgagngttac gatacgacct ggcattgacc tgttgatgaa caaatccaca gagccttggtg 180
 ctcaccttct ggtctcttcc atcgggggttg tgggcaccgc ggagcagaac cgcactcaca 240
 gcgccagctt cttcaagttc ctcaccgagg agctgtccct ggaccaggac cggatcggtta 300
 tccgcttctt ccccttgagg gcttggcaga tcggaaagaa aggaactgtc atgacatttc 360
 tgtgacggaa acaaagaacc caggggtgttt gctcgaaccg ggccagagcc cttccagaga 420
 ggccctcccg gcagaatcgt ggcctggtag ataggatggt aaatccctcn ttttngcct 480
 aaacgtctgc gacttcagtg gtccattttt ntcttcccca gcctcgtgaa taattgaa 538

<210> 4605
 <211> 417
 <212> DNA
 <213> Mus musculus

<220>
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<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
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 tgtgtgctag aagtggaccg cggctctgtc aggacagcat gcgagggtgtg cttgtgcatg 120
 cttgtgtgca gtccttcgtg taggccagtg agctgggggg gnttattggg ggtagggact 180
 ctgctgtttg ttttcataca atctctcctg ctaagttgat gctcccctga tccagctcag 240
 cctggggggtg ggggtggggg caggacacag atttctggtc ctctgtcatc tttggtggac 300
 tgccaccaaa cagaaagcat gtgtatcaca tctctagaaa gaagacgaaa acagttcaaa 360
 ccctaattgcg 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>
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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

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 <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 tttcatgggtg 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
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 cagcagactt ctgatcttcc ctctgtacat ctgctgtaac ttcttgtata taccaccaga 120
 aaaaagaact gagagtaatc gtcaccacaga aaaccacagga cactgaggca ctcatcagtg 180
 gccagtttta acttaatgac ctactgcgtt cacgtccaag gtgactaaca gtgaccggcc 240
 ttatgaactg tgggaccctg gagatgtcct caccctcatt acatttctat gcacatatga 300
 aaaagttttt taaaactgag aaagcatctg tcaaaccatg ttaaaaggat atcaactctt 360
 gctttaatth agtagcagta aaaattgctg taggtaaatt tctcatttct ttgcaacaag 420
 atatagatth aattttgagc ttgaatttcg atcctatcta atgttagtga gtttactcat 480
 ctgtaaatgt gttcctgttt tgtaagaga 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 agtcctgtg 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
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gacttccgag ctcggttctg gtaccggagg tccaccactg actgaactgg ccccatccta 120
gggttcttgt ctcaggactc tgccctcctc cctgtgtcct caccggctgc ggaagtgagc 180
agcttgcacc atctgtggcg ggggtgtggc cgcctggctc ctgccttgga tctgtgtgtg 240
gaagcttggt 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 catcttgag ggatccca 518

<210> 4610
<211> 150
<212> DNA
<213> Mus musculus

<400> 4610
gggccccgga actctggtgg agccagtgca agtcaggggtg agcatcccc tatccatcat 60
ggaccctcca caccagtatc gaattcacag aaggaagagc tttgatgcat ctgacactct 120
agctttgcct cggcactgtc tgctgggctg 150

<210> 4611
<211> 381
<212> DNA
<213> Mus musculus

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 <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
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 tggaccgagc actcctcaca gcttcaaggt aacagcgacc gtgcccatgc cgtcctaggc 120
 agcttccctt ccctcgctt ttccttacct cccatgaatg agaaggccat ttcccccttg 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>
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 <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

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tctgtctgga aaatattctc gggaattctt caatcgaga ggagaactgc ggcacatcac	180
caagctgaag ccctggagcc tctttgatgt acttgtggaa aagtatggct ggcccatga	240
agatgctgca caatttacag atttcctgat cccaatgtta gagatggttc cagaaaaacg	300
agcctcagct ggcgaatgcc ntctgacatc cttggttgaa ttcttagcag attctacaaa	360
tatagcattc tgagctagca aatttntccc agtacattgg acctacacag tggntctcat	420
tntttaacag gattaccagt gagctggctc caccctcaga cttttgtagt gctttgaggt	480
actgttgttt gacactttgc ttctgtgca ccatggtcct ggggaaggct ggtctttgtc	540
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<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>
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 <222> (125)..(125)
 <223> n is a, c, g, or t

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 <222> (146)..(146)
 <223> n is a, c, g, or t

<220>
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 <222> (159)..(159)
 <223> n is a, c, g, or t

<220>
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 <222> (184)..(184)
 <223> n is a, c, g, or t

<400> 4613
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 tggatcatca aatccaacta tcaagncctc ccagtagcgtt ntntgaagan gtatcattcg 120
 acagntcctt caaggggttag 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
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 tatcatgtca ttagaaagct aggatggggg cacttttcta ctgtatggct gtgctgggat 120
 atgcaaggga anaagatttg ttgcaatgaa agttgtaaaa agtgcccagc attatacaga 180
 gacagccttg gatgaaatta aactactcaa atgcgttcga gaaagtgacc ccagtgaccc 240

aaacaaagac atggttagttc 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 tagagggtgcc gacaatctcg 120
 tggccatcaa cctcatcgtg caacacatcc aggacatcct caacggggggg ctctccaagc 180
 ggcagacgaa cggctatctc aacggctaca ccccttcccg caagaggcag gcgtcagagt 240
 ccagcagccg accacattga ctcccgtgcc cctgactcca aaccccagcc cccagctcc 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
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 tagtttttaa tattgaattg acttcctgga atctaaattc atgacaagaa aaggctgtgc 120
 cnaatttaat tttttccttt gggaattacc cctgcctccc taagaattga cccagagct 180
 ttgtgggtgc tagggaagca ccctcaagaa gctgcacctt tagtccccat attttggggt 240
 ttttaatat ttttttaagt tctgttagtg aatggcgtgt tatttaaaaa ccgtgtgttg 300
 tcatttcctg gggctgagat agagttatatt 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
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 gccttcattg 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

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 aatcagagat tcagttgtgg aaatcctttt tgaacaagat aatgaggaga agtcagttgc 120
 cactttaatt ttggattccc ttttacagtgc cccaatagac accaggaagc aactggcaga 180
 gaatttggtg 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 attttttagtt tttctatcag acatattaga ggatacatca 120
 gttgctctaa ggtagtaacc agatagtcca cacacacaaa catgaactat cactctgtcc 180
 cgtctagggg ggacatgtca cagggtgttct gagcgatcag gccagctggt ggttttttatc 240
 aggcaggata gttcatcctt aggctttgga attccattgg aaagtgactt cataccaggg 300
 tttt 304

<210> 4620
 <211> 512
 <212> DNA
 <213> Mus musculus

<220>
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 <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
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 gccctcttct gtgggggtcac ctgtgccctg gactctgatg gaaatctcgt gctggacccc 120
 acaaccaagc aagaaaagga ggcccggggc atcctgacct ttgctctgga tagcgccgag 180

cagaagctgc tcatgtccac caccaagggg ctctattctg acgctgagct ccaacagtgt 240
 ctggccgccc cccaagccgc ctcacagcac atcttccgat tctaccggga atcactgcag 300
 aggcgctact cgaagagctg aggcacgcca gggtagggnn nccccccca ccatgcccac 360
 cgcctaccac cgccacgagc cagcantcca ctgtgcctct gtctgtgccc atgtagcctn 420
 tggtcctntc gcagcggagg ctctgtgtcc aggcgtggggg gggggcttag ggacattnta 480
 ggcctgggta taaccctccc ttcacagga 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 gcgatttca gaatccagga tacgaaccag caagctcaca 180
 acatttgtga atttccact aagagacctg gacttgagag aatttgcttc agaaaacacc 240
 aaccatgctg tttaacaact gtatgctgtg tccaatcant ccggaaccac catgggaggc 300
 cactatacag cctactgccg aagtcgggtt 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

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<400> 4622
gagtctcttta gacaaaggcc ctctggactg agcttctcag ggacacccac accacccctt      60
accccatctt ggcatcagtc tttggtcctg tcctgggagt gtgagcctgg atggctgggg      120
ttagcttgta tgattctttg ccctgacgtt agncaaaaaa aaaaaaaaaa atactccatg      180
ctgtcccaag agccaagcta ttcagcacta aggcatttcg cacagtgcac tttgcacccc      240
ccacaggtgg gcctggctta tgccctcaga acctcgagtg nttgagtgtc ccaggacagg      300
gcaccaaga aaagacaccc tgagtttacc tggcctgata cccttctcta gggaagacct      360
gtgaacatga gcccaagggc tgggtgtacac ttgtttacta tgtaagcaag agtagaatgt      420
ctagtgtaca gtggagcct                                     439

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<210> 4623
<211> 473
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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<400> 4623
aaacagcagc ttatcgaaac atgaaagaga ttctcaccaa aaagaatgat caaatcaaag      60
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
aactttttta tgttagagaa gctggtaaca tctatacttg tacagtcctt aag                                     473

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<210> 4624
 <211> 522
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (242)..(242)
 <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> (320)..(320)
 <223> n is a, c, g, or t

<400> 4624
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 gagggataac tatttgtcac taaggcaaac ctcttgagcc ctggcctcca gaaactcagt 120
 ggcaaagccg agtccatgga tgtaaattgt caccatcgag acaggtacag ctgtcttctc 180
 ggaaccata 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

<220>
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 <222> (40)..(40)
 <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> (117)..(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> (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> (131)..(131)
<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> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<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)..(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> (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> (368)..(368)
 <223> n is a, c, g, or t

<400> 4625
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 ggaagtagcc ctcccagatt ctcagacact cccattctcc ccacgccgnt nccnccnccn 120
 ccnccnccat ncaanngcga ggacgccaga tacctcaana aggaaagtta aaggggggaa 180
 tattgatgta catccatcag aaaaagctct catntttcag tatgaagtgg aagctaccat 240
 tcttgagaaa atgggagatc ccatgtttggg 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
 agaagatctc ctgccatcta gaccagaagt tcctaattgtt attggagaga cagaagaagt 60
 ggagcttcag gaatttgata gcactcgagg ctctggcggt ggtcagagac gtgaagccta 120
 taatgatagc tctgatgaag aaagtagcag ccatcatgga cctgga 166

<210> 4627
 <211> 494
 <212> DNA
 <213> Mus musculus

<400> 4627
 ggcaccctaa tattagttcc gtcacagggg ctatttgttt ggatatacctg aaagatcaat 60
 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 tctgcctct tggaggagcat caacacctgt 420
 tatttttagg attctgcata aagttctttt aaactggcat tcttgccata tgatgttacc 480
 taggcaccat tgga 494

<210> 4628
 <211> 407
 <212> DNA
 <213> Mus musculus

<400> 4628
 taaaggttta ctccaacttc agtggagca agatttggat aaaggtttgg agcttatcag 60
 caaggctatt gaaattgaca acaaattgtga ctttgcataat gagaccatgg ggactattga 120
 agtgcagaga ggaaacatgg agaaagccat tgacatgttc aacaaagcta tcaacttggc 180
 caagtcggaa atggagatgg ctcatctgta ttcactttgt gatgctgcc atgccagac 240
 agaagtagca aagaaatacg gattaaaacc gccgacatta taaacacagg ggaaacagac 300
 tgactctttt caaagaagtt taccctctct tcaactcaac cctgaagaca ctgtcataaa 360
 ttgttgaacg gtggaactta gtagtcctt tgtgatgttg tcattca 407

<210> 4629
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 4629
 tcctggccag gatccagttg agcagcagag gttgactaaa tgaaggtgcc gtcttcagca 60
 tcatagtttg accagtgaat atgttcatag aattttgtgt agttgtaccg tacgatttta 120
 tcttcttcat ttattt 136

<210> 4630
 <211> 281
 <212> DNA

<213> Mus musculus

<400> 4630

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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
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<210> 4631

<211> 542

<212> DNA

<213> Mus musculus

<400> 4631

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actgaaaatt ggcacctaca cgggccccct gcagcacggc attgtctact caggggggttc    60
atctgataca atctgtgacc tgttgggagc taagggcaaa gacattttgt atattggaga    120
tcacatTTTT ggagacattc tgaagtcaaa gaaacggcaa gggtaggagga ctttcttggt    180
gattcctgag cttgcgcagg agctccacgt ctggacggac aagagttcac tctttgaaga    240
acttcaaagc ttggatattt tcttggctga actctacaag cacctggaca gcagtagcaa    300
tgagcgcccc gacattagtt ccatccagag acggattaag aaagtaactc atgacatgga    360
catgtgctat gggatgatgg gaagcctggt ccgcagcggc tcccggcaga cactctttgc    420
cagccaagtg atgcgctatg cagatctcta tgcggcctcg ttcataaacc tgctgtacta    480
cccattcagc tacctcttca gagctgcccc tgtcctgatg ccgcacgagt caacggtgga    540
ac                                                                542
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<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

<220>
 <221> misc_feature
 <222> (321)..(321)
 <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> (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>
 <221> misc_feature
 <222> (435)..(435)
 <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

<220>
 <221> misc_feature
 <222> (485)..(485)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (513)..(513)
 <223> n is a, c, g, or t

<400> 4632
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 ggacagactg gaatgacatg tccaagtttt tacagtacgg atggagatgc accactaatg 120
 agaactccta ttcgaaccgt accctggtag gaaactggaa ccaggaaaga tacgacctaa 180

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aaaatattgt aaagcctaaa cccttgcctt cccagtttgg acatgccttc gaaacaacat 240
atgatgcaaa ctacagcagg aagaagccac aatcaacaca tagatttnaa ncgagancct 300
cactggtttc ctggacatca ncctgagctg gatcctcctc actacaaatg cacagcgaag 360
tcaactnata tganctaact actcagaacc tcanccact cattactcct gctgtgtata 420
tgatccaagc gtganccant nttagggccc gggaatctga agaagaagaa gtagcttcat 480
ttttntctag agtagactgt agaaaggaac acntgctaag cagactcaac atcactctca 540
a 541

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<210> 4633
<211> 171
<212> DNA
<213> Mus musculus

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<400> 4633
gaaggagaat ccacgagttg taagaaaatg gcagacaagc cggacatggg ggaaatcgcc 60
agcttcgata aggccaagct gaagaaaacc gagacgcagg agaagaacac cctgccgacc 120
aaagagacca ttgaacagga aaagaggagt gaaatctcct aaaagcctag g 171

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<210> 4634
<211> 487
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

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<400> 4634
acgtcgcggg atggtgacaa gttctggagg atgcctgagt gctacatccg tggcagcacc 60

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atcaagtacc tgcgcatccc tgatgagatc attgacatgg tgcgggagga ggccgccaag	120
ggccgagggc gaggaggacc gcagcagcag aagcagcaga aaggccgagg catgggcggc	180
gctggccgag gtgtgttttg tggccggggc cggggtggca tcccagggtgc aggccgaggc	240
cagcccagaga agaagccagg gcggcaggca ggcaaacagt gatcactccc tgcctgagcc	300
gagcccagaa cgggtgggtga 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
tactgatga ccttgagaaa gtttgcaatg a	271

<210> 4636
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 4636	
gtgctccgga ggaaaacctt gctaaaagaa ggcaagaaac ccacagtagc atcttggaca	60
aagtattggg cagccttgtg tggaacacag cttttttact atgccgcaa 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 ggatccatth aaacactacc gtttgggaatt gagggctaga 180
 aggagaacat gatttcctgc aggagggaca aaggctgagt gttcacgtgc cagcaggctc 240
 cagaacacac cagggttaaa gtttaacttt ctgtatgaat tcattgttgg gcccaaattc 300
 gcataggagc acggtgatcc cgcgctcggg tttctgtanc cttttcacia ntcagggtggg 360
 ttatccagcc acgggtntcc cagggaagac cctggtgttt cttgtgctgt 410

<210> 4638
 <211> 467
 <212> DNA
 <213> Mus musculus

<400> 4638
 ctgtgtgtgc actaatgagg atcctaaaga tcgcccgtct gctgcacaca tcgttgaagc 60
 tttggaacta gatggccaat gttgtggtct aagctcaaag cattaacttg tatgggaact 120
 gttaactaga tatatgtagt taatataact tatggtagct agattctaga agtagcttta 180
 aactagtga cccctgtcta agatgactta agaatacagg gaccattgct ttgttacaga 240
 tctttttaga tattcttgct tcttttagtg gttactaaaa atttcactac gtacatgtgg 300
 tacagatatc tgtctgctca tagtgtcagt ccttcagctg gcctgtcagc ccatgcgccc 360
 tgggacttga gaagagttca taaacgtagc tcctaggggtg tcttgccctc ctacacttag 420
 cttctaattt attactttgt ttctactgat tgtgtcttaa gtctttt 467

<210> 4639
 <211> 466
 <212> DNA
 <213> Mus musculus

<400> 4639
ctgctgccta tgctgtacga gatgaccatc aggaacgcct ccacagccgt gtacgcctgc 60
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
tgcagcggca ggattcactg ctgaccgttt acttgagata cccatggtgc tttgtaaccg 420
tatggtgccc agttccaggt ttatgaagca gattcccaaa ggctca 466

<210> 4640
<211> 206
<212> DNA
<213> Mus musculus

<400> 4640
tggagactgg cagtgtccca atccgggctg tggaaaccag aacttcgctt ggagaacaga 60
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>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<400> 4641
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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 ttttaagaaaa 420
 cgaaacaaaa caaacgtagt tctttttctg aaaggaacaa aaccaagcat cctttgtatg 480
 tat 483

<210> 4642
 <211> 486
 <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> (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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ttgccaggta tggcaaggna cttctacacc tcgaaatacg aaggcaatgt gacgtctctg 120
 cagctaacgt ctccactga 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
 ttcaatatgg tggagagata cagagcactg gtgaagtgga ttgacgacga atnttgcaac 420
 gaatcaggag caantccgaa aagtagttnt gagcatgctc atttgccgaa acctgtggaa 480
 gccttt 486

<210> 4643
 <211> 466
 <212> DNA
 <213> Mus musculus

<220>
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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

<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 ctttgaagag gcaccacatc acggaggccc atgagagctt 180
 cacggcctgc agccagagac tcttcgacat ctccaagttc tacctgaagg atctgaaaac 240
 atcaaggggt ctctttgaag aaatgaagaa aacagccaac aacaatgtgg tgcaggtgat 300
 cgaatgggtg gtagaaaaga tgancaagaa ataagctact gcaccccctt tccttagaga 360
 actgtacaca ncctgtaaac tttcccaaaa gagcagatnc ctcatittga aggaggggtcc 420
 atggtgtcct gtatctatat agttttgtga cactcagtta ttttca 466

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 <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

gtaacgaggt tgacctggat gaacttgtcc tccaaactga cacctactca ggagcagaga 240
tcatagcagt ctgcaa 256

<210> 4645
<211> 556
<212> DNA
<213> Mus musculus

<220>
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<222> (228)..(228)
<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> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<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

<400> 4645
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cagaaaggca gctgtctgtt gtttgtttgt ttgttgctat tgtttttaaa ttctgcattg 120
taagcaagag cgggtgggtca ttgggtccag ccactgtggc ccaggagttt ggttcttaga 180
aggaagactg caggtgtcta caagttgttc cttctgcatt cctgcctntg ggcacttggc 240
agctcccatg nggggggttg tttacttcct tttaaaggag gtaatttctt nccccccnn 300
nnnnnatggt ttccaacaa cagaccaga aacttctaga actttgtgac atgagctgca 360
cttgggtggct ggggactctt gttactgtta actgtgcctg gagttagcta cttgatagtc 420
ccctgaaaat cccagtgcc 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 ggcgcctggg ggaggacatg gaaaacaaaa 240
 tccgaagcac gctgaatgag atctactttg gaaaaacaaa ggacatcgtc aacgggctga 300
 ggtctgtgca gacgtttgca gacaaatcaa agcaagaagc gcttaagaac gacctgggtg 360
 aggcccttgaa gagaaagcag cagtgttgaa gacctctgct tcacgctaac cggacacgcc 420
 atgcactnCG ttaggttcct ttcttttagaa aactcgtttt ctgctccttt tcntctttcc 480
 tttcccgccc tgacaggtca cataacagtt tgcacgacc acgcag 526

<210> 4647
 <211> 555
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (50)..(50)
 <223> n is a, c, g, or t

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 catggaaaat tgttaaccaa aataagtgtg gatttcagaa tcattccagc tctactctta 120
 actgtcctga atttgttaga aactgatttg aaagaaatgt tttcttaaaa ttccatacac 180
 acacacacac atattatgaa ttgtctttta ttgtagtcag aatttattat aacaatattt 240

gatttggacc attttaaaca ttccctatatt taaaattcat acggcttcct taagaagtag 300
aatgaaaggg taaattggtg acatgtttgc tctctgcatt ttctaacctt ctaccgaatt 360
gtgactgact cagagagctc tagcatttac cagttagggt cagaaactaa actctcagga 420
attcattgca tctgtttag aagtgttctt ggggtctgagc ctggcctcct cagagtggta 480
atactgccca cttcctctgg aaaataggca gggctaata 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 tagtgagggc aaggacagct gacgagtgcc tgtttcagcc 180
gtggcctatg gctgcttagt cctcaacatg tctgtcctaa agcatctttg ttcttcgtgg 240
cctcagatgt cttttatctc tgggtgccag aggggcaatt tctgacctcc acctgcctag 300
acaagaaaag ccctaggaca gtccaatgga agaggtgttc ccagctccgt actcacatgt 360
gctgtgggga ccctgagcag ctccatgagg ggcctctctc tgaagctcct gaatcccttt 420
gggctaccag gaatgtcctg gtcttggtct 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 tgaatgacct tctcatatcc 120

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aggctttatg atctgtacag cttccaggtc atccctgtca ttggtgaggt cattgcagga 180
gactggaagt cctaccaata ctttgtggaa agtattcgga agttcccaaa tcaggaggac 240
ttcaaggaca tgattgaaga cgcaggcttt cagaggggtga cgtacgagaa cctgactaca 300
gggattgtgg ccattcactc tggcttcaaa ctctagctcc ttttinctact gtggcacaca 360
ggccagtcatt ttctactgaa ccccgggggcc agatcatntc cctgatgaga cagtagctga 420
ccattcgtct cctcttacgg ccgttaagac tttggattag ctctcattag tagctgcca 480
gg 482

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<210> 4650
<211> 269
<212> DNA
<213> Mus musculus

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<400> 4650
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tcacacaatt agagtgtggg atgttgagtc tggcgggtctt aagtcaactc tgacaggaaa 120
taaagtgttt aattgtatct cctattctcc cctttgtaaa cgtttggcat ctggaagcac 180
agacaggcat attagactgt gggatccccg aactaaagat ggttcttttg tgtcgctgtc 240
tctcacctca cacacaggct gggtgacat 269

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<210> 4651
<211> 475
<212> DNA
<213> Mus musculus

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<220>
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<222> (328)..(328)
<223> n is a, c, g, or t

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<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

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<220>
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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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<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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<223> n is a, c, g, or t

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<222> (448)..(448)

<223> n is a, c, g, or t

<400> 4651

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caccatcttc gataatgggg tgaaccctga gcgaggttac tgggttccag acagtgcccg 120

gatcagagag gagctgggag tcgtctgtta tgagaccaat gtcttgggat tcagggggcc 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 caccgggatg 420

aacccgacca cctggtgntc cagtttgncc gtgtggcccc aaacatattc acgat 475

<210> 4652

<211> 541

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature
 <222> (212)..(212)
 <223> n is a, c, g, or t

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 gctccaattg tcaagcccc tatgactcct ctgccattga gtcagccttg gtggaagccc 120
 tgcagaggaa actgatggcc ttcacacttc aggacctggt atgcctcaag tgccgtggta 180
 tgaaagagac ccatatgcct gtgtactgca gntgcgcagg ggactttact ctcaccatcc 240
 gactgaggt cttcatggaa cagattagaa tcttcagaa cattgccaag tactacagca 300
 tgtcatatct ccaggagacc atagaatggc tgttacagac aagccctgta tcaaactgtt 360
 agcaagccta ggctaaagac actttggtat cccacaccta ctgcctgctc caaaaggcag 420
 aaccactgac caccttgctt ttccaaactc atgagcacag ccagaagga acagaagact 480
 tctgctaacg tcatcatgcc ataaacagac agaagcaggg aatggctcta tccctagctg 540
 c 541

<210> 4653
 <211> 215
 <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> (159)..(159)
 <223> n is a, c, g, or t

<400> 4653
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 ggtgacatca tttctttgtg gctgtgtaac tcaactggcnt 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

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<221> misc_feature
<222> (275)..(275)
<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> (375)..(376)
<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)..(382)
<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> (389)..(395)
<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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<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

<220>
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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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<220>
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 <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
 gatcttacia gagcagtgc aaggtgattc ntnactggga ttggtgcaga tgagcagttg 180
 gcaggttatt cccgtcatcg tgcccgcgtt 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>
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 <222> (390)..(390)
 <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>
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 <222> (465)..(466)
 <223> n is a, c, g, or t

<220>
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 <222> (484)..(484)
 <223> n is a, c, g, or t

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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 tgactttttc agtagcagct tggaatgtta aaanntatgg tgagcctctt 300
 ctctgtgaag gaagggcctg nacaatctgc cagccaggga gtctgtttaa agactgggaa 360
 ctcaagtgcag tgggttttct gcctttcccn ttctcctttg gtctatagtg atactgacan 420
 caatacaaag taaaatctgt gtatataaaa atcctaagta tgagnntctt aaatgttctg 480

gaanttttag aaaaaactta attggatgca attgtttata attaaccaag tcattttatt 540
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<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

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<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

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actaggtttg aaagaccgat ggattactat gaagatctaa aaatgggaat gaagtttgtc 180
agtgatgaac gctacaatga aagtgaagat ggtttggttt ctcatgtaga tggctccgta 240
atttcagga gggagtggtg 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

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agacctattc ctgataaaga atttgtggaa acgtatatca aagcctacta cctaactgag 240
aatgacatgg agcgttggat caaagagcac agggaatact caacgaagca gttgaccaac 300
ctgggtgaatg tttgcctagg atctcatatc aataagaaag caagacagaa gtccttagca 360
gctatagatg agatagacag gcctaaaaga taatgaacag agctctttcc tcggggacat 420
tgatcttctt tcggcctgta cgacatgaaa ggcagttctt catacactcc tcataattct 480
cttctaa 487

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<210> 4658
<211> 401
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

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<400> 4658
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ccagtatacg tatgagaaga cttcgggggc tgggccaaat caacagaggc cgggtgagac 120
ccagaaatcc gtgctagatc cntccacgac atggctcgtg ctcttggcga cagtatgatc 180
ggaggcaccc aaaaggaggg ngagtgtgtc accccaaaag gtaccagtga aatccatgaa 240
ctgccacctc ctgagaagcc tctcaaggag actgtagact taaaggcaga accccgtaac 300
aaagggtcct caggtcatcc tcaggagaag gggcctggta gctggcaggg cccctcagct 360
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<210> 4659
<211> 470
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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<400> 4659

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aaaattaaag tgtgggatct tatggctgct ttggaccgcg 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 aggactcggt aatgttgagc tatttaacag      360
acctgccaaag accaggatga acaacaatca aactcctacc cggattcccg gacggatgag      420
cgaggagcag ggctttgaga ctctgtttgg gacacagtcg gtcagcagcc      470

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<210> 4660
<211> 390
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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<400> 4660
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cagactgtaa ggtgcctggt gatgactgcc ccctcgtgtg gggacagtgc tcccactgct      180
tccacatgca ctgcatcctc aagtggctga atgcgagca ggtgcagcag cactgccccca      240
tgtgtcgcca ggagtggaag ttcaaagagt gaagcccgtg ccgtgccact tccctctcct      300
gtgctgtgcc aggcctncagc cccttcctc cctccccctc cccagataca gcaccccaan      360
tcccctccac acagcacagt ggtgccccaga      390

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<210> 4661
<211> 413
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<213> Mus musculus

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<220>
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<222> (350)..(350)
 <223> n is a, c, g, or t

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 agaacttcgc ctttcgtgtg ctgctggttc aagtggatgt gaaagatccc cagcaggctc 180
 tcaaggagct ggctaagatg tgcattcttg ctgactgcac cctggtcctg gcctggagtg 240
 cagaggaagc agggcggtac ctggagacct acaaggcgta tgagcagaag ccagccgacc 300
 tccttatgga aaagctggag cagaacttcc tatcacgggc cactgagtgn tctgaccacc 360
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<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>
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 <222> (175)..(175)
 <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

<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
 ctgagaatth tttaaaccac attctgcttg ctttggtgga ctctggaaga acgttttaag 180
 ggcttttagga cttgagacat tgttaatctg gccattacta tacaaaatct aataattctt 240
 tggaactcct tagttaccaa cttcttgtaa aagtctacat cattgtgata agtagnatat 300
 ataaatacca cttataagcc atctcaatat cctatcatga tttatgatat atttgatgta 360
 tttttattht caattgttht ctaaaagtht agttcattgt atgactthtga agtgcaaatt 420
 gtgttagcga aacaccttht aagattthtata agggatccca ggtaattagt atatat 476

<210> 4664
 <211> 265
 <212> DNA
 <213> Mus musculus

<400> 4664
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 tctgtccaat tcatggttaa taccaagata acctgggggg cctgtgttag ggthcccaa 180
 gtagccacag gggtcagcac catatccacg cctcccaaca aaactccaaa acctgtgctc 240
 agggcagtgc ctgagcccct gcagt 265

<210> 4665
 <211> 76
 <212> DNA

<213> Mus musculus

<400> 4665

aaagcatgga ctgtgccaaa caccagtgga tccatccaaa aacaaggact gcatccaaat 60

tcctaaatacc agagac 76

<210> 4666

<211> 352

<212> DNA

<213> Mus musculus

<400> 4666

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cggctggcct ctgctccacg gtaaccatgt gcgaccggaa ggcggtgatc aaaaatgcag 120

acatgtcggg agagatgcaa caggactcgg tggagtgcgc taccagggcg ttggagaagt 180

acaacatcga gaaggatatt gcggcccata tcaagaagga gtttgacaag aagtacaacc 240

ctacctggca ctgcattgtg ggccgaaact tcggtagtta tgtgacacat gaaaccaaac 300

acttcatcta cttctacctg ggtcagggtg ccattcttct gttcaaattc gg 352

<210> 4667

<211> 177

<212> DNA

<213> Mus musculus

<400> 4667

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aaagcaccca agttagagga aaggctcaaa gtgctgacca ataaagcttc cgtgatgctc 120

tttatgaaag gaaacaaaca ggaagcaaaa tgtggattca gcaaacaat tctggaa 177

<210> 4668

<211> 254

<212> DNA

<213> Mus musculus

<400> 4668

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ccaaacaccc catatcacia tatgataggt gacgatgaag acgcctatag tgattcagaa 120

ggcaatgaag tcatgactcc agatatctta gctaagaaat tagctgctgc tgaaggctca 180

gagccaaagt atcggaactc ggagcaagaa agtagtggag aggaagataa tgacctctcc 240

cctgaggagc gaga 254

<210> 4669
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 4669
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 agattgcaga acccgaggcc tgtgatcaga tgtacgagag cttagcacga ctgcattcaa 180
 actactacaa gcacaagtac cctcgcccca gagacaccag cttcagtggc ctgtccgtgg 240
 aagagtacaa gctgatcctg tccacagaca ctttgaaga gttccaagag atgaataaga 300
 gcatgtggaa gaaactgcag gagaagtttg cgcccaccag gcctgaggag aagcacaagg 360
 cctggactcg ggtcctgtc 379

<210> 4670
 <211> 94
 <212> DNA
 <213> Mus musculus

<400> 4670
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 ttgctgaatg ttcagaacga ctggtgataa tttt 94

<210> 4671
 <211> 170
 <212> DNA
 <213> Mus musculus

<400> 4671
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 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

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 gaaagtgaaa ctcaaagagc gtcaggaagc agagaaaatg ttcaagggca aacgggggtgc 120
 acagcttgca aaggatattg ccaggagaag caaaactttt aatccaggtg ctggtttgcc 180
 aactgacaaa aagaaaggcg ggccgtctgc aggggatgtg gaagcaatca agaatgccat 240
 cgcaaacgcg tcgacgctgg ctgaggttga gagggctgaag ggcttgctgc agtcgggcca 300
 gatacctggc agagagcgca gatcagggcc gagtgatgag ggtgaagaag agatagaaga 360
 cgacacagtc acaaattgnt 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
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 aaaactgaaa aatggaaaaa acaaattcaa aatctcagat ggcttctagt tcaatctgtt 120
 cagataaatt gtcagcagcc agtttactgc aagcaaacat ttaaaattgg ttacctcag 180
 gatgattgat gtgca 195

<210> 4674
 <211> 61
 <212> DNA
 <213> Mus musculus

<400> 4674
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 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
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 aaggcgcacc ccaacctgcc cattctgac cgcgaatgct cggaggtgca gcccaagctt 120
 tgggcccgt 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>
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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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 <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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tggagtggtt ggaggcagca agcatgggag gaaagctgct tggaaattca tcaaggacaa 120
ctgggaggag cttcacaacc ggtaccaggg agggttctta atatccagac taataaagct 180
ctcagttgag gggtttgcag ttgataaaat ggctggagaa gttaaggctt tcttcgagag 240
tcaccagct ccttcagctg agcgcaccat ccagcagtgt tgtgaaaata tcctgntgaa 300
tgctgcttgg ctcaagcgag atgctgacag cattcaccag tacctccttc agcggaaaac 360
ctccccaccc tcggtgtgag gcctcctccg cacctgggcc tctgacctn tntgcaggga 420
tgaggtggag ctaccaaaca gctgactcac atnccaagaa tctggantct tacaccagtg 480
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<210> 4677
<211> 525
<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

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<400> 4677
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ttcttgccca aagagggttac 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
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<210> 4678
<211> 458
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (348)..(348)

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<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
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<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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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 gtcactctcag ttacagaat gcatcttcta tatgccgttc      420
agggccaaat ggatgaagat gtccagaagg tcttgaagca gatcctcacc atgtgtaaaa      480
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<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>
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 <222> (169)..(169)
 <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> (182)..(182)
 <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> (197)..(197)
 <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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 ctttcttgat agtctctctg cataccaaac aggcccttgt ctctnggaa atggaaacta 120
 tgaaatcaat agctgaggct tctctaggaa agcctgccct ggtcagtana ncctgtttca 180
 cngcttctnt agaatannta 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
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<210> 4681
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (386)..(386)
<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> (457)..(457)
<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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gcatgccagc agctctgacg aggcattctga aacagaggag gaggaagagg agcccagcgt 180
cgtcatcatg gggcgatgag gagtttcagc agtcgtgagc ccagctcatt ctgtgaccag 240
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aggcacctcc tgcagccctg cctgcctggg gagcagaggg agcagacctt agacatttgc 360
agattgcatt ctgtatcctg ccctgntctt gctgaagggg agtgagtgtc tcaccttccc 420
cgggtgccgt tccntttctg cttgaacagc agtgagntnt gcgctggttt ctgtgaaggg 480
aata 484

<210> 4682
<211> 423
<212> DNA
<213> Mus musculus

<220>
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 <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

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 tttcccctga gcacaccaga gccccacctt cacggagtag tgccaacaag gtgggggaat 180
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 ttctcctctt gaaggatacg ccccttattt ctgtactacc ccacccttgc catggggatc 360
 ccaaattggg ttgtcatgaa agtgggtgga cacaagggtg gagccgcgta gtataggtct 420
 taa 423

<210> 4683
 <211> 505
 <212> DNA
 <213> Mus musculus

<400> 4683
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 gtttgatgaa gatgaaaaag gcttcattac cattgttgat gttcagcgtg tcctagagag 180
 tatcaatgta caaatggacg aaaacacact gcatgaaatt ctctgcgaag tagatttgaa 240
 caaaaatgga caggttgagc tgcacgagtt tctgcagctg atgagcgcag ttcagaaagg 300
 aagggctctt ggaagccgac ttgccatcct gatgaaaact gccgaggaga acttggaccg 360
 cagagttcca atccccgtgg accgtagttg tggaggattg tgagtctgac cagtaaattcc 420
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<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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<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> (105)..(105)

<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> (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

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<222> (140)..(141)

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<222> (143)..(148)

<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> (353)..(353)
 <223> n is a, c, g, or t

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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 tatcttcac 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

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 tacatgatgc cagatgagga gacaccattg gcagctcagg cctatgggct ttctcacaga 120
 gatatcacca ctattaaact tctcaatgag acaagagaca tgctggaaag tccagatttt 180

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agtacagttt tgaataacctg tctaaacaga ggcttcagtc ggcttctaga caacatggcc 240
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<210> 4686
<211> 398
<212> DNA
<213> Mus musculus

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<220>
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<222> (335)..(338)
<223> n is a, c, g, or t

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<400> 4686
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gtgcgaagtc tcaagaccaa ccgaacgggg agacaagggt tacgtcccct ctgtttttat 180
ccccatttca acaatccgaa gcgattccac ggagccacaa tctccttcag accttctccc 240
catgtctcca agtgcatatg ctgtgctgag agaaaacctg agcccaacga caattgaaac 300
tgcaatgaat tcccatatt ctgctgaatg acggnnnnaa acggacactt taaagaagga 360
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<210> 4687
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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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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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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 <222> (484)..(484)
 <223> n is a, c, g, or t

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 ttggggnaag gtgacatcaa gatgcattgc tgtgtggctg cttatatctc tgactacgcc 180
 ttcttgggta cagcactgct gccccaccag tccaagtata aggtgaactt catggcgctca 240
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 tgtgagagcc cctgggctgg tggctctcga gggctgggtgc atgggcggct gtggcntcgg 360
 gatgggntcc ttgctntgac ctgtgccna ggaggggtgtg 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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ccaaggatgc caggaacaag ctggctgata atctggccaa ggttatggaa gaaattgctt 180
cccaggaaaa aaacatcatg gctcttgaaa atgccatcac gcagcaagaa gggccagcca 240
aggtagcaca cacacgcctg gagaccagga cgcaccggcc gaacgtggag ctgtgtcgag 300
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<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

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<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
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 cactgcagtc actagcctgt ggcaaagcta gagttctggc taaaaatcct aagggcaaag 180
 atattgaaga tgggtgacaaa tttatttgta atgacgattt caaacacaaa ctattcagga 240
 taaagatcaa tcaaattccag atgaaagaaa cggttgaaga acaagcaagc actacagaaa 300
 gagtatttca agacagacag taccaaattg atnncncnga tcgttcgaat tatgaagatg 360
 agaaaaacac ttanccacaa tcttcttggt tcagaagtct acaatcagct aaaatttcca 420
 gttaaacctg ctgatcttaa gaagagaata gaatccctca ttgaccggga ctacatggaa 480
 agagataaag aaaatccaaa tcagtacaac tatattgcat agaatgttgg ccnttgaac 540
 ttgtcataat gctgtagcca t 561

<210> 4691
 <211> 249
 <212> DNA
 <213> Mus musculus

<400> 4691
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 gggcactgag aggaagatgt gacgtctgtc tccttgagac ctctgagcca tgcttctgcc 120
 aggaggagga gagcatggga gtgtcgggtgt gaccctccca ccgtgatggc tgctggccgg 180
 cattcgtggc actgtgttgt caaataaagg agtcttgaaa acatttcttg ggcagcagag 240
 ctcaggccc 249

<210> 4692
 <211> 108
 <212> DNA
 <213> Mus musculus

<400> 4692
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cagtcaaatg caactgcaag tagggttggt ttaagttggt caagatag 108

<210> 4693
 <211> 268
 <212> DNA
 <213> Mus musculus

<400> 4693
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 catgtcatgt taccagaga actctctaaa caagtacca aaactcatct gatgtccgaa 120
 gaggagtgga ggagacttgg tgtccaacag agtctaggat gggttcatta catgattcat 180
 gagccagaac cgcataattct tctctttaga cgacctcttc caaaagaaca acaaaaatga 240
 agtgcagctg ggatcatcta atcttttt 268

<210> 4694
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 4694
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 tgccctgtgcg ctaaagctgt ccagggtgctg cttttaacaa gaactaagta tgactcctgt 120
 gtgctgacgc tgttcagacg agctctaaga atccattttc taaagcaaag tcattggagg 180
 ggaggggtgag gaaagtttcc cataaaggaa ctactgcttt tgtagtcttc ccaacattta 240
 gtccagtcct gtagaatccg ctctctctga 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 gcggggtccgc atggccgaca acgaagtcac ggatgccttc cggaagatca 120
 tggctgcccc gcagaagaag cgcacccta caaagaagga aaaggaccag gcctggaaga 180
 ccctgaagga gcgggaaagc atcctgaagc tcctagacgg gtagcctgac ctgctgctgg 240
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<210> 4696

<211> 429
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (366)..(366)
 <223> n is a, c, g, or t

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 tgctccgagg gaccaggcct ctgccttgct cgaattgatc tccactttct acaacagatg 180
 cgccaacacc tgcctgtgtt ccagcaccgc agacctgacc tctatggcag tctgggtcat 240
 ccactctctt aatgctttta acttctgttg gttaagacac agacacagcc aactgggagg 300
 tgatgctact gtgacttgta ggcaggacac aagcacgggt 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

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 aaaaactttg aaaaccagg cctccgagg ggcacacaa ccaccttatt tcgagctgtg 120
 aatcccagagc tcttcattaa acccaacaaa cctgtgatgg cttttggatt ggtaaccctt 180
 tcactttgtg tggcttacat tggttatctg catgcaactc aagagaacag aaaggacctc 240
 tatgaagcca ttgacagtga agggcatcgg tacatgagga gaaaaacatc taagtgggac 300
 taactgctgc ttccttcagg tggangtggt 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
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 ttgcagcctg gctgagtaca ttgacatgat ctgtgcgatc ctggacattc ctttctataa 120
 gagccggant tcagtctctc cacctgctct tttccctcta ctcagagttc aagaactccc 180
 agcattttta agctcttgct gaaggcaaaa aagtattcac ccctccaccc aactctgcct 240
 cccaggctgg ggatgcgagg acactgactt tcacttgagc ctctcctgg 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
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 gccttaggag gg 192

<210> 4700
 <211> 534
 <212> DNA
 <213> Mus musculus

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 <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

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<221> misc_feature
<222> (293)..(294)
<223> n is a, c, g, or t

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<222> (298)..(303)
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<222> (305)..(307)
<223> n is a, c, g, or t

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<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

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (371)..(371)
<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> (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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ttagaaaaca gaaaggagcc tgcagctctg cagtacattt tcaaactgct ggacattgag	180
aacaagggat acctgaatgt cttttccctt aattatttct ttagggccat acaagaacta	240
atgaaaatcc atggacagga tcctgtgtca tttcaagatg tcaaggnnnn aanntttnnn	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

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aggcattgct ttcccactaa actaaacccc cagcccataa tgctttcata tattggtaaa	180
ggaacatgag aatcaaattg ccaaggccaa aactagacag tgtcttccag tgactgcagt	240
aaaggaatth ggccacatca tcaggacact gttattagcc tctcttaatt tgagatctta	300
aaattaccaa ataagcacia atgtctcaat tatgcattcc ttatgtctac tcacattaac	360
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<210> 4702

<211> 315

<212> DNA

<213> Mus musculus

<220>
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 <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

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 agacattccc cagggcccnt ggggactgtg aagagcaaga gggtgcctgt tctgagcagc 180
 tcaggggaac agttgggtcca ggacttgagg gggcatcttg aacatcctgt gagcttatga 240
 acctcagagg gaagtctggc atgttcgtgt cagtgttcag tgtttggtag gtgaggccta 300
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<210> 4703
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 <212> DNA
 <213> Mus musculus

<220>
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 <222> (354)..(354)
 <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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 <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> (458)..(458)
 <223> n is a, c, g, or t

<400> 4703

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aatgttttta aattctgttt atcagtggaa ttctaaaata gattttaaag tcaaccagct      180
aattgctgaa gtaaagcatt ttatctacaa ttttatttta gtgtatgtgg cacaagtgta      240
atttcaaatt taagagttgt tttcatagtt aaaggaatct gccttctactg taacgtctgg      300
aaacagaaac aatttgttat gatttctaca gggattttta atagagcaaa catnttgaat      360
ttaaaatatg aatgaccctt ccaagtctna gttttgcttt ggntngaact tagcgtgtgt      420
ttatcagcca tcagttatth gtgaggatgt taattccta tgaatattgt ttcattgttg      480
tatgggaaac tgtagctaag catttcattg tctgcagtct gcag                          524

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<210> 4704

<211> 497

<212> DNA

<213> Mus musculus

<400> 4704

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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
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tgtgtgtcat gtgtgctttc tgcggtacta cagatggaac ccaggactcg tgcgtgtcag      420
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<210> 4705

<211> 432

<212> DNA

<213> Mus musculus

<400> 4705

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gaagcgctga aagagaatga gaaacttcat aaagaaattg aacaaaagga cagttagatt      120
gcccgcctga gaaaggagaa taaagacttg gcagaagtag ctgagcacgt gcagtacatg      180

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gcggaggttaa tcgagaggct gagtaatgaa cctctggata actttgaatc accggatagt 240
caggaatttg attctgaaga agaagctgtt gagtattcag aactggaaga ctcaggagct 300
gggacgtgtg ctgaagagac tgtgtcttcc tccacggatg ctaggccgtg tacatgaggt 360
gtgggacgca ctgccagcgt tgcccttttag tatagctctt ggtaaactaa ctacacggtg 420
caagtgctgg aa 432

<210> 4706
<211> 449
<212> DNA
<213> Mus musculus

<400> 4706
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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 tttcctcgtt gcatccatta atctgcttag agaacactag 420
tgccagctct tttagctgat actgctcat 449

<210> 4707
<211> 482
<212> DNA
<213> Mus musculus

<400> 4707
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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

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 <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
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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

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 caggggggcta gggctgtgca cgtgctatct gtgcagcctc tctgtttgga gaacttatcc 180
 ctgagaggct gctgtcagga tgcctggtcc ctttctggca agcagcaggt agctaaagaa 240
 aaccagcagg tagcaaagga tgtcacactg catcaggcct tgctgcggct gccccagtat 300
 cagactgata ttttngctca ctttcaatca gccccgtgt cacagcaggt ctcttgcccc 360
 tgaaaatctg tcatgtccac cttggagcct gagtaacttt gaacagctgg taactagttt 420
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 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

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gaaaattcat gggacttcgt acaccagtgg ccaggcaggg cctgaagtcg tgaagtcaat    60
agtatttcct ctactgcctg gctgtcaacc tagtaggatg aagaaggggc ctccccagct    120
gcagagatgc ttcacatgtg 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

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<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

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gaagcggcca aagcactcag gagctgagtc tggttacaag aaaaaaaga tgaagttacc    60
agagcagcct gaagagggag aggccaagga ccacgaggct ccatcgaaag gtaaattcaa    120
ctggaagggg accattaagg ctgttttgaa acagggtcca gacaacgaga tatcagtc aa    180
gaagttaaag aaaaagggtta tagctcagta ccatgcggtg atgaacgacc atcacacatc    240
ggaggaggag ctcttgacca tcttcaacag gaagatcagc aggaacccca cctttaaggt    300
gctgaaggac agagtaaagc ttctgaagtg aggctctgtg gcttcacact ctgtcatcct    360
attggctgct tccctntact atttgtaaaa tgtgtagtga attataacaa cctgaagatt    420
gctttctgaa                                     430

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<210> 4711

<211> 433

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (353)..(353)

<223> n is a, c, g, or t

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<400> 4711
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gttctgatcc agacaatctt atagtccact cacggccacg gcaaaagaag ctacacagtg      120
tggctaattgg ggtgccagct tgcacatcaa aactgactaa atctcttcct gcctcacctt      180
ctacttcaga ctttcgccag acacattcat gtgtgtctga acacagttcc atcagtggtgc      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

```

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<210> 4712
<211> 538
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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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>
 <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 acagagtgggt 180
 cagtgccag cccggcctgg gaagcaacgc atgaaggaga aggagcagga gaacgagcgg 240
 aaagtggcac agctagctga agagaacgag cggctcaagc aggaaatcga gcgctgacc 300
 agggaggtgg agaccacacg gcgggntntg atngaccgca tggtcagcct gcaccaagca 360
 tgaacagtgg gcatcacctc ctntntntnt ntccggaagt gtaccagca ccatcgcncc 420
 agcgccaagc atgtgacct gcactgcact gcacatgctg aggaggggac tgagggtaga 480
 ccaggagagg gctcggcttg cacatagacg gtacattgtt tattactgtc catgtcca 538

<210> 4713
 <211> 353
 <212> DNA
 <213> Mus musculus

<400> 4713
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 aagagaaaag aaagatgaac ttcagacaga gtcgtggtca aaaaaacatg aaatagctaa 120
 tagtgatggt cttcaggaca gcagtgagga gctgccacgg aaactgctgc tgactgaatt 180
 taggtcattg gttgtcagta accacaactc cacctccaga aatctatgtg taaatgaatg 240
 tggtcactg 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 ttggagggttc 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 aactgtaca gactgcctgt ccttccttgc agatatgaat agagcgtttt 60
ctttacaaac agatgatagt gcgtgtctgc ccactcaggc cctgtgctgt ccgtgttagt 120
gtagccctcc acgcattggc atgcagctct ttactttact gctcaacgta ttcccaaattg 180
tgatgtttca gagatttatt cctcagtatc catgtgactg tctgttttaa agttgggtttg 240
atgctttaac agcacttcct atgtcctgct gtcccttggt ctcagagacc ctctctcttc 300
accagctcta ctgactcatt tccgccctag gttgtatgca 340

<210> 4716
<211> 478
<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> (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>
<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> (264)..(264)
 <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> (317)..(317)
 <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> (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>
 <221> misc_feature
 <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
 gctaattgcag aagctaagat aggctgttag gtttgnnttt ctaagaatgt aggcantcct 240
 ntacattgnt nactgggtttt gcanccttc tccctcttcc ctgaagggtc ccnagcattg 300
 cattctggaa tcagtgnntcc ctttttttct tgaggtttca tantncaaag gcncnggaac 360
 ttttgnccac agtgttntcc tggcttaggc tcacattacc aaatgcccaa ntcattgttt 420
 ccgatgttga tntcatttga gtggaacaca ccagactcag actttattca ctttttat 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 tttatttttaa tgtagaacta aatggctttt aaaaactttg 60
 gtttacatcc attctggtaa tttgcctgtt ggctttgaaa tccatattgt tcactttact 120
 tttataatat atcagttttt ataatgtaac tagtattgca tacttgatga aaattttgtg 180
 gattttactt agtataaaat tcctataaat tttaaattttt cagttagttt ttgggactgg 240
 gtagtacttc tgagtttggt attatgtact taaccattgc caagtttatc agtcttcctg 300
 tggaagttta gtntctcccc caccctttt agtaatgtaa ttcattgggat ttggacttca 360
 gttatggagt aggcgtctga tagggggaga 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
 ggtgtataca gaggtggcta tgacttattg gtgcgggtcca ggctggccct agctngatgg 60
 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
 tggggatggg ggctcatatg ctatattcac aagtcttcca ggcaactgcc aacttaggtc 120
 cggagnnctg gagaccacac tcttgaatt acggctgggc cttctacaca gcgtggggtt 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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tagaggacta tgacagcgag gagacataga gaacagcctg ccaatcaggt tgctccttga      60
gagataaatt ttagtctatt cagtgggtact tgaacacgtc tctgaaggac aagcaatttg     120
ttaattgctc agttccttat cgtattcgtc acagcaactg acgactgtca tcttgaagta     180
aagcagggtct caagtactca gtgcttagta tttatttagt cttgtgaatg gtttgaggag     240
aagtcacgggt gtgaagtgtg tgaatgttgt actaaatatc aaaatgtgaa ggagtaatcc     300
agaatatacg gactttatgg ggtgttgtaa atttgattta taaaacagtt taggatgcaa     360
ttatgagtat aaataaacct tgtnccttac ttacagtttg catctagctt ttcggatacc     420
att                                                                    423

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<210> 4721
<211> 452
<212> DNA
<213> Mus musculus

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<400> 4721
acattttgaa ctcccctcag atttcttcag ccttacagct gaggaggtga agcgggagca      60
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

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```

<210> 4722
<211> 491
<212> DNA
<213> Mus musculus

```

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<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

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<400> 4722

```



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taaatgaata tcgacccac caagcaagag agactttgag agtcatgatg gaggtccaga      60
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
gtgtgctaata tgatgaaatg aatgaaaggc catgaagaat attccttttt ttccttttag     360
taagtagcat catatattag tttatttcct ctcagacant cttagaggt ataactaaag     420
atactaagag actttttttt caattgaaat gctgtaggtg gtaatttaac actaaacata     480
ggccagcaag t                                                                491

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```

<210> 4723
<211> 468
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

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<400> 4723
cggaagtact cctctatgtt tgaagatgac acggtgacag agtacatcta ccactgtaat      60
gtacaaaccc caagtgggtga gacagctttc aaaaacatga cgattcctta tgggtggggcc     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

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<210> 4724
<211> 470
<212> DNA
<213> Mus musculus

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<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
 ccntctgga gtccagtagc ccagctgtgg tgggtggcagc 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
 tctgggtgtgg ctttttttgg accatatacc aacaacacac tttttgaaac agatgaacgg 120
 taccggcatt taggattctc agttgacgac cttggctgct gtaaagtgat ccgtcacagt 180
 ctctggggca ctcatgtggg ttaggaagt atcttacta acgcaacagc agacagcagt 240
 atcatgagga agctcagtgg aaactagcag gctggcactg tgatccctgc agcgctgttt 300
 gtctgtcatg gattgctcta tataaacact gtcattggaca gcagcttcta gaggattctt 360
 gtttctaggt atttattgta tcatttatgg gtttacctgg acaggtgact tgggggttca 420
 gaattgcaaa tgctagttcc tattctggag tgcattgctga 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 gaagggtgttc 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 gcccgtcac 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 gagagatggt tacagtgtga agaaaataat	120
ttccttagta aagtgagggtg tggttgtaca cttgggggnat 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 cttaaacaatg aagttgataa ggagaggact	420
atTTTtaaca tttaaatttt tggaaaattt acaaattttt 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

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actccacnat cctgttacct caccggtccc tggatgcagt ggcgacattt gcaggatggg	120
ccaacatggc taagagagtc tgtcttccgc ctgacccac gatgctgaaa ctacaagac	180

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ctgcccttcc aggaggacat ttgttcagaa gcctggccac cgggcatgag caggtgtgcc 240
aaggatctcc atgcggggcc acactggctc tactgtgttc agtgaggagg ggatatgctg 300
tatttgcagc agggactcag aacataaatg ctgatcacag agggacacac tagagcaggt 360
tgtgagttat aagcaaagta aatatccaac taaatacaca aagtataaag taaagccaca 420
tctagacacc acgttgtatc tgagtaaa 448

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<210> 4729
<211> 512
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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<400> 4729
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tggaacaatta ctgaaaatgc ttcaggaggg agagatgaaa gataaggccg agatacttct 120
gcaagtggat gagtctcaga gcatcaagaa cgagctgacg gtccaggtgt cttcacttca 180
tgccgcactg gaacaagaaa gatctaaagt gaaagtatta caggcagaat tagccaaata 240
ccaggaggaggc 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
gattattggtt ttctgtccaa acttcttatg ac 512

```

```

<210> 4730
<211> 516
<212> DNA
<213> Mus musculus

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<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 agtgcattgt cccctctctc caggacggca caaaaggacc atccccatgt 180

ttgtgccaga gtctacatct aactacaga agttcacaag ctggttcatt ggacggcgac 240

ccgagtacac agaccccaag gtggtggccc agggatgaagg ccgggaagtg actcgtgttc 300

gcntctcagg gatttggttac cctctnctt caatgtggtg accaaggaca tgaagaagct 360

gggnctatga tactgggcct gtggacacac aaggantcnt ggntcntagc ctgccacagg 420

gcaaccacac ataaaaatca gcccttctnt ccgccactgt ggaccagatg ccctacagcc 480

cacacacagc caaggacatg ccaaccaggc tgggaa 516

<210> 4731
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 <212> DNA
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 ctcagttaat gagaatgggc taggcaaaaag atgtgattga agagcatggt ccttcagaaa 180
 aggcaataaa tgggtccaact agcgcttctg gcgatgaaat tcctaagcta ccgcgtactc 240
 tgggagaaga aaagactaag accttaaaag aagacagcac tcaagaagca gcagtcctga 300
 atgggtgtttc ataactgaag gaagttccta gtttacagtn tcttttacat tacagttaca 360
 atagtgtttg tacaagcttg ccaaagatag aatacggatc gccagtctta catcgcactt 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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<222> (466)..(466)
 <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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 cctggccctg ggcaactaga aacattgatg gaaccactca gggctatcca ggaacctcga 120
 tcgagcagag nnnctgaaac caatggcatg ttgagtccca aatgccaaag ccattcaacc 180
 tagaacacct taggcattat aggaacagga cacttctgcc tcctgataga ggatgagaaa 240
 cagaggcaga atgtagtttg aagctagata ataggggtgtg atggatgacc attttgtctt 300
 ttttgtgttg gtagagtaga agacacaaac tccaaggtgg tgtgtctgga gggaaggggt 360
 gtggcggcac tcaggacaga gtttggtggc acctgcaccg aggttcaggc taggagtacc 420
 tagcaccaaa gagacaaact ttgtgtaant cncaccact gangantctc actggagagg 480
 cacatcantc cttgtcacca acaggaaact gagtgatgga ccctcacttc a 531

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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> (451)..(451)
 <223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 4733

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tacaacccca acacagccta tgggtgaggat ttcctggtgc cagtgatggg ctatgtctgt	120
caaatctgtc acaagttcta cgacagcaac tcagaattgc ggcttttcta ctgcaagtcc	180
ctggcccact ttgagaacct gcagaaatac aaagccaaga acccaagccc tcctcctacc	240
cggcctgtga gccgcaagtg tgccatcaac gcccgcaacg cccntgactg cactgttcac	300
ctctagccac cagcccagcc cccaggacac agtgaaaatg cccagcaagg tgaagcctgg	360
atcccccgga ctccctctc cccttcggcg ctcaacacnc ctcaaacct gatagaggga	420
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<210> 4734

<211> 525

<212> DNA

<213> Mus musculus

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<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> (407)..(407)

<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>

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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

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 <222> (469)..(469)
 <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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 gaagggctga cacgggagat tctgaggag 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 agtcatttgc agagatcagc ccatccactc tttatgctgc 120
 caaagtaact cgccctttgt cgtgttgttt actgaatgtc tccccaatgt tttactgata 180
 aaaatgatgt cattctacac tgataattat ttaaataaaa agaccattct gctagtacag 240
 tgtcccagca agtcaaaagt ttatatgcat gtttaatagt catatgtgat ggtgctatca 300
 gttatcaata gttttcaggt gttgccaca tttatgctga agaccctgag ccaaggctgg 360
 ttaagatatt tagtttcttt tattaataac agttatcgat tctgtgcaat caaaaagcac 420
 aactgaatgc tgtggtcagt tctacaac 448

<210> 4736
<211> 342
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> 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>
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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

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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 ntttncnnn nntgnttnac ntctggctag atgaatacaa gggaaacttt 300

tttnntncaa agaccttctt tgacatacgt ttcctgtgga aa 342

<210> 4737

<211> 489

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (423)..(423)

<223> n is a, c, g, or t

<400> 4737

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ttgatattgg atgcgaacag cacggtgaat atgcctcac agatacggaa agaggagaag 120

aggaggagga ggaagagaca ttagtgaaca tcgttnccaa aatggaaagc tctcaacatc 180

acagaattgg ccctgtggac tccaaccctc tccgaggagc agcctcccc 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

gactgctgcg gccaatgcga acgacttctt cgccaagcgc aagagaactg cgcaggagaa 60

caaggcgtcg aacgacgtcc ctccagggtg tccctctcca aacgtggctc ctgggggtggg 120

cgcggtggag cagaccccg ccaaactct gagatgagtt agtttagagg ctaacggcca 180

gagagaactt gctgggcatc tgggcagcgg acgatggaag aactctgggc ttcggctggg 240

acctttcgtt catgtagcag gaaccggaga tggttgcgta gagcagccca cggttttgtg 300

gaaatctgaa aactgtgcaa tgtattgaga acactctgta ccatgtgcaa ggagtagcgt 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
 gctggattcc gtaaagctag aagcctgaca tttttctgta tgggatgttt ttttgcatta 60
 aatcctgggg tccatt 76

<210> 4741
 <211> 529
 <212> DNA
 <213> Mus musculus

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 <222> (222)..(222)
 <223> n is a, c, g, or t

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 aagaaggagg tggcgttctt caataacttt ctacacagacg ccaagcgccc agctttgcct 120
 gagatcaagc cagctcagcc acctggccct gccagatac tccccccagg cctgacccca 180
 ggacttcctt acccacatca gacgccacag ggcttgatgc cntatggtca gccccggcct 240
 cccatcttgg gctatggagc tgggtgctgtc cgccctgcag tcccaacagg agggcctcca 300
 taccatcatg 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
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 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 ccagtaaat 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

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 <222> (62)..(62)
 <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> (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

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agaaggagac aatgactact tcacttgcac aactaaagct tatgaaatgt tgtctgatcc 180
agtnaaaaaa ggcggggcatt taacagtgtg gatcctactt ttgacaactc agttccttct 240
aaaagtgaag ctaaggacaa tttttttcaa gtgttttctc cagtgtttga aaggaattcn 300
agatgggtcaa ataaaaaaaaa tgttcccaag ncttgggtgat atgaactcct cgtttgaaga 360
tgtagatgcg ttttactctt tctggt 386

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<210> 4744
<211> 534
<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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<220>
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<223> n is a, c, g, or t

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<400> 4744
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ccacctcaag tagcattggc tctggagaaa gtcccttttag caggtctgtg accagcaatc 180
agtcagatgg aactcaagaa tcctgtgagt cccctgatgt cctggacaga caccagacca 240
tggaagtgtc ttgctaagca gatctcctcc cctggaccat gcaagtcctt ctccttgaaa 300
tgaccactcc gtaatagaac atttcattcc nntcagctgg cccccacttc ctttcactnc 360
acgcatggcc acagcatctc tctctagtag ccgagagtgt cattctctcc accctttctg 420
tgtgtaccag agccacaccc atgccattac tgtaacattc caacatctcc atctgacctg 480
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<210> 4745
<211> 433
<212> DNA
<213> Mus musculus

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<400> 4745
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gcaagaagtc agtcgtgtgg gaaaacaagc atatcacatg gtttgcaacc cttgacggtg 120

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gcattgggct cctgctgcc atgcaagaaa agacataccg acgcttgctg atgctgcaga 180
atgcactgac gaccatgcta cccaccacg ctggcctcaa ccccgcgcc ttccgaatgt 240
tgcacgtaga cggcgcatc ttgcagaatg ctgtgcgcaa cgtccttgat ggggaactgc 300
taaaccgcta cctatacctc agcaccatgg agcgcagtga gctggccaag aagataggta 360
ccacgcctga cattatcctg gatgacttgg ctggagacag accgggtcac ggctcacttc 420
taactctagg atg 433

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<210> 4746
<211> 470
<212> DNA
<213> Mus musculus

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<400> 4746
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ttgaagaaga catccgggac ttggctgcca gcgatgacta cagaggatgc ttggacctga 180
agttggagga gctgaaatcc tttgttctgc catcctggat ggttgagaag atgcggaaat 240
acatggagac actgcggaca gaaaatgagc accgcgctgc ggaagcgctt cccagacct 300
gagccgggtg tcctggctac tacacttggc ggcctgcctc caagaccctc tttcccacc 360
cggctgaggg catcatgggg atttgggtcta gttgactctt aacagcatta agctgtacat 420
gagctagttt gtagtgactc actgcagagc accccagact ggcattgtgt 470

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<210> 4747
<211> 388
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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<222> (250)..(250)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <222> (280)..(280)
 <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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 tcctctgagg gcagcaatgg agtctaggca gctcgaggct agaccatcat gggacagaca 180
 cacagagaca ctttgccaca tctgatacag ctgtgaanca agcttctgcc ccaagttctt 240
 cagggcagcn tgtgaaacca gctggacnaa gggaagagcn ttgggggtgtc tgnagcagga 300
 tggggactgt ctcccagtgc gtccgtcaca ggggttgctg gcagtgtcag aaggccccc 360
 gccccaggac tcctgtcggg tgaggcct 388

<210> 4748
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 4748
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 tcagatacat tgctgtggaa gcaggcgctt ttggtgggga gatggtggtg ggtttgcct 120
 t 121

<210> 4749
 <211> 437
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (159)..(159)
 <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> (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 gaccaactc gttggctgga aaaaagccna aaataccacc cacttccggt 180
 acttgggctt tggttgggt gttcggcnan tntctgggcc ggcggttgc 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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 tagccatcct tccccgata ctaagaggaa aaattattcc tcatactgct ttcaagctat 180
 cctaagccag tgtcactgtg gaaaggagcg aacggatgct gcgtccacga gaacttgaca 240
 gctccatcct cccctcacc gcacagcacg gtagtgtag gcttgggtcc cttgggcctg 300
 ggggcagttt tacttggcca gaaagcagtg tttgaatact tgaaatcatg tgttgtgttc 360
 tgtttaaagt ttgtttgtag acattgtgct gtacacctgt ctccatgtct gtttgcagat 420
 gacactgtga agtgtgccac ccttatatgg t 451

<210> 4751
 <211> 490
 <212> DNA
 <213> Mus musculus

<220>

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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

<220>
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 <222> (374)..(374)
 <223> n is a, c, g, or t

<400> 4751
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 tgaacctcct cagtatccgt atattcctgc acatataaca aaaccaagg aacataagaa 120
 gttgtttctg gttcagcttc aagagaaagc cttgtttgca gtcctaataa attacaagct 180
 ggtagctgca ccattgtttg agctgtatga caatgcaccg gggtagtgac ccatcatttc 240
 tagtcttcct cagctgctga gcagggtcaa ttttatatac aactgaattc ctgtatgcag 300
 aagtaaaaga anccgtntct atgagcacag cttacacgtg tagaagagta actgtagaac 360
 aagttttggt tttntcttgt tccctaaatt gccaccacct tcctgtttga agagtaaaat 420
 gaatatgacc gagatagtgg tggaaacatg tggcagtggt cattagcttt tggttctact 480
 cataacttttt 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
 ttttagctcac acccaaagca tttcaccaac ctgggccaac agaggagggg cctttcctgc 240
 cacaccctta agttcagtag ctgtttaact acagttttta atgttactcg gatgttcaag 300
 tgtgatttag tgcttgcttc tccacagga agtggggggc ttgtctgggt tgtaacattt 360
 ctgtgtttat aatgtccttt ctccctgtga gcacagctca gctatggagt tactcagggc 420
 gtgaacagct cacctgggtgc tccccacagg cccttctcta acacgtactt cttgtttggt 480
 cct 483

<210> 4753
 <211> 554
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (365)..(365)
 <223> n is a, c, g, or t

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 ctgggtgaac atcgggggcc ttcattgtgc agtttatctt ctaaagcgca ctgctcaagc 180
 ctttgttcat ccttcagatc aagatgaagg aagagaccct ccttggtaaa gaaaagagtg 240
 aagacaactt attaatatat gtagttccta acactggaaa tatcagcata aagaacttgc 300
 tttgggagaa aaatagcaga aaagtaactt acagtacagg ttacactgct tgaccactcc 360
 agaantgctt gatttctagc aaggtgattg taatggtatt tcttaagaag cctacactgc 420
 ttggcttcta agtgtcagaa cacttttaggc 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
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<210> 4755
 <211> 545
 <212> DNA
 <213> Mus musculus

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 <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

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 aagtatggca ttgtcctaaa ggagtttcgg cctgagganc agccttggt actccgtgtc 120
 aatggcaa at caggacggaa gttcaaaggc attaagaaag gcggggtaac agagaacaca 180
 gcctnactac atcttcacac agtgtgtctga tgggtgccttt gaggctttcc ctgtacagaa 240
 ctggtacaat ttcacaccac tggcccgaca ccgcacactc actgctgagg aagccgagga 300
 ggaatgggag aggaggaaca aggtcctaaa ccacttcagc atcatgcagc agcggcgggt 360
 caaggaccag gaccaggatg aagatgagga ggagaaggag aagcgcagtc gcaagaagcc 420
 tagtgantctg cgcattcatg acctggagga tgacctggaa atgtcctccg atgccagcga 480
 tgccagtggg gaagagggca gcagaacctc caaggctaag aaaaaggccc ctgtgaccaa 540
 ggcag 545

<210> 4756
 <211> 443
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<400> 4756
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agagaagatc tgatggcagg aatcatcatt gcaggctggg accctcaaga aggagggcag 180
gtgtactctg ttcccatggg gggatatgat 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

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<210> 4757
<211> 561
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgaagtcaat tcacttggaag agactatcgc tgaatcagac ttaaaccagt gtttctcact	180
aaatgactca caagacgatt tacctacaac attccagggt gctacagcaa gcacatcgta	240
tggcgcccag aatccatcag gagcaccctt gccacaacct acccagccag ctctaagaa	300
tacctccatg agccctcggc agcgagagc ccagcaacag agtcagagaa ggccnatcca	360
ntcccccgga tgtgtctcaa ggccagccac caagagccca ccacacagag cacggcggn	420
ccgccatgct gatcatcatc ctgacttttag cattggcggn tnttatattc cgacgaatat	480
atctggccaa tgagtacata ttgactttg 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 acagcggaag 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

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<210> 4760
 <211> 309
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (271)..(271)
 <223> n is a, c, g, or t

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 agatgaggaa gaaggaggcc gagcagaagg agggagagtt caccttgcac ggccgggcta 180
 tcttgagat ggagcagttc atccgagaga gctaccaga ttctgtgaag atgtgcaaca 240
 tctgccacgg cctcctcatc caggggtcaaa 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
 ctgccaagt 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 tccaactggt ctgacagctt 120
 tagaaataga caatgctgtt gtggcaaaca gcctgattga catgcgagc atagagacag 180
 tgctgctgat caaaaataat tctgtggctc gtgcagtcac gcaatcccaa aagccaccca 240
 aaaattgtag agaagctttt actgctgatg gtgatcaagt gtttgcagga cgttattatt 300
 catctgaaag tacaagaccc aagtttctaa gcagagatgt ggattctgaa ataagtgact 360
 tggagactga gattgaaaat aaaaagggcc acataataac cttcagcag cgtctgtctg 420
 cgcttgagaa ggata 435

<210> 4764
 <211> 540
 <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> (350)..(351)
 <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> (384)..(384)
 <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> (502)..(502)
 <223> n is a, c, g, or t

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 ataaggcggt tgctgatgaa ccacctgaac cagaagcatc accttctctc tgggagatag 180
 agtttgctaa gcagttagcc tcggtagctg accagccctt tgagaatgga tttgaggaga 240
 tgatacagtg gaccaaggag gggaagctgt gggagttccc agtcaacaat gaagcagggt 300
 tagatgacga tggctccgaa ttccatgagc atatattttt ggnataagtn ncntggagga 360
 tttccccaag caaggaccaa tcntctgtt catggagctg gtgacctgtg ncctttccaa 420
 aaacccatat ctgagtgtta aacagaaggt cgagcacata gagtggttta gaaattattt 480
 taatgaaaaa agagatatcc tncaaagaaa ataatatagc gttcacttaa catcaciaag 540

<210> 4765
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 4765
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 agaaaggcgc tctaattgaa 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
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<210> 4766
 <211> 479
 <212> DNA
 <213> Mus musculus

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 <222> (337)..(337)
 <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> (382)..(382)
 <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> (393)..(393)
 <223> n is a, c, g, or t

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 <222> (424)..(424)
 <223> n is a, c, g, or t

<220>
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 <222> (426)..(426)
 <223> n is a, c, g, or t

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 ggcgctggaa cagatgctgc tggaacttgg tgtggagctg agccctaccc ccacagagga 180
 gctggtgcat atgttcaatg agttgcggag cgacctggtg ttactctacg agctcaagca 240
 ggcctgtgcc aactgtgaat atgagctaca gatgctgcgg caccggcacg aggccttggc 300
 tcgggcagga gtgctggggg cccctgccgc agcagcnagt gggaccaacc ccggcttntg 360
 ctgagccaac agtgtctgaa tntgganttg gtntctggacc ccaccaagga taccatcatt 420
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<210> 4767
 <211> 128
 <212> DNA
 <213> Mus musculus

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<222> (30)..(30)
 <223> n is a, c, g, or t

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 aatggccaac atcccgaaga aaacatccct ccaaaagtca agcctgagcc aagtatctcg 120
 taccaggg 128

<210> 4768
 <211> 558
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

<220>
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 <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

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 <222> (306)..(306)
 <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> (349)..(349)
 <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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<220>
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 <223> n is a, c, g, or t

<220>
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<220>
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 <222> (491)..(491)
 <223> n is a, c, g, or t

<220>
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 <222> (516)..(516)
 <223> n is a, c, g, or t

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 ctcattatcc agagatggcc aggatgggga gagggacggg gttgcacttt gcttctgctt 120
 gtggcctctg ggggaaggac ctgcagtgca gtctctccac actgtggggt ctgctatagg 180
 cttctagaga tacaggttgc cgtgnccagg atcctgctta ctgccctttc ctncagctc 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

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<220>
 <221> misc_feature
 <222> (214)..(214)
 <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>
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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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 atgggagctg attttcactt ctctccact ctgggcatcc aggagaagta cttagcaccc 180
 tcggagcaga ccgcagagca ggaagccatg cagnctgtga cacatgggcc tggagagccg 240
 gggacacctc agcgaggtac ggacccaaaa naccantcc nnnncnnnn 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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 agagtcattct attgcagtct agatgacttc ctggaaaaac ttgacctctt aaaatatctt 120
 aactgtgtgt gttaatttgt aaaattcatt atttgttcaa aaagttatgt atgtccatt 180
 cccagatata tgcactttta agtgaagaaa atgttgctag ctgtttatctt aaaacttggg 240
 aaacttttta aataaaaatc aaaaaaattt agaagttatt tcataaagcc atatggtatt 300
 gacatatttt tatggtagta tttttgaatt tttttttga gagttattct ggaagtgtgt 360
 tacaagctag gagaatgctt ttggacagtt atttttcata aaagatttgt atgattcaaa 420
 accatttctt agactgaagt aantcgtttt aatctgcaca ggttatcttg gcttctgcc 480
 aancaaagt ttagtatctt 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>
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 <222> (364)..(364)
 <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> 4771

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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 naaaccggc	300
atttggaagg taccagtga gaggctcagc cggctcggga gttcacttcc aaaggaagg	360
acantcatta ccnaaatca 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>

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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

<220>
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 <222> (311)..(311)
 <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> (349)..(349)
 <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>
 <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 gcgntcgta gctgtaggca 300
 gaagantgnt naaatttgtg aaaccaaact ttnccttgat ttttcatnc atagtatatt 360
 tgtattcaat tgaagaaata ctttagttac aatgtaaaaa tccntntgct ccatactggc 420
 ttcttgtgaa gg 432

<210> 4774
 <211> 528
 <212> DNA
 <213> Mus musculus

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<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 ctacagctgga tgcagagacc cctagtcacc      420
cccaggccct gtactgttgg ggtctttgag ccatgcagtc aggttccttg gctggacaga      480
aaagacagag gctttatgaa gccagaccgt ttctatTTTT gtccactg      528

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<210> 4775
<211> 532
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (293)..(296)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

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<400> 4775
gggaaggctt tcagtcagtg ctacgccttt acccttcatt agagaatcca cactggagag      60
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 gctcccatg 480
gtactgtagt ataaaaaagg ctatgagaaa tacactcact gctggcgtgg ta 532

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<210> 4776
<211> 516
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (284)..(285)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (482)..(482)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

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<400> 4776
aggtgttcaa tgtcaccagg gacaacagaa acagcctnct tgccagatat tgtggccgctc 60

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gtgcagagca gccggacgta aagcagcgct gttgggtcca gctctgcctc tgctcacggt    120
gggccctgag cagcaccagcag tcagtccacc gtcctctgct cacggtgggc cctgagcagc    180
accagtcag tccaccgtgt cctgtgtgag ctccagactt gtatttcctc ttacggttgt    240
gcatgcgggtt tgagtaaatt ntaaacgag tctgccaaac attnnggcgg aattcgctcc    300
caccggagtg tataatatgt ttggggctga ggaaagacgg gggttcactt nttccttgac    360
tttgagtgt gtagatatta aacacctctc caggtgcagc tccacactgg tgcagctgaa    420
agcagaaaca actggttntc ttcaattatt tccaaaggag gaaaaaaaaa tcagttntcc    480
tntccctntc ttgtttattc ctctgtttct tgacta                                516

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<210> 4777
<211> 501
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

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<220>
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<222> (149)..(149)
<223> n is a, c, g, or t

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<220>
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<222> (153)..(154)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

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<220>
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<222> (158)..(160)
<223> n is a, c, g, or t

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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

<220>

<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>

<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

<400> 4777

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taactactag ccaatttctg ncaaagagca agttaattct gatcccgata acccagagac	120
aaaggtctcc aaggaaaact gctgctgtna gttnngcnnn tnngggcttt gtttttgttt	180
aggganaggg ctagaggaac aggttttagga ggatagcact gtccgcatct ctccgcctac	240
cgtcttctgc caggccgagc tgctccctgt ggagagggac naactctttc tcatttcgca	300
tatttttagt ttgtgagcna ngacacaaat gcnagatttg gctagtaaag caaagtaatt	360
gaacacctac ctcttcaga gaaagatcag gaggggctaa tagtggaat ggatggaaac	420
ttggacaata ggaccagaga aattctcaa tggcagcatg catctcacat ctctgagaac	480
ccgttgcaat tcaatcttct a	501

<210> 4778

<211> 277

<212> DNA

<213> Mus musculus

<400> 4778

tggacttccg agaccttcct aggaacttcc atcaggaaga gaaccaggag cacagaatgg	60
gcaaccatac cctctccagc cacctacaga tagacaaggt gactgacaac cagacagggg	120
aggtgctcat ctcgagaaaa gtcgaggcct ccattgagcc agaacggaac ccggaagggg	180
actggaaggt tcccaaagta gaagcaaaag agccccgggt gcctgtgcag aaggtcaccg	240
acagcttgca ccagagccc 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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 cggaacgcg ttgtccagag gttgatattc tgcaattttg atgaaagaaa tagcactgcc 120
 ttcaaaaaga aaaagggaaa aaaaatcaga tgccaagaac ttcagacttg tgtttcattt 180
 tgggttttga tttcaggtgc tcaaatgca gaacacgaaa caaatcctgt acttagatcc 240
 actttgactg aatccaaagt tcccatttca gatantccac atntacctgg ntntcctggt 300
 cagtgtgtgt gcattgatgt tgctaagatg tgtgggtttt 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

tgcttttgca ggaaccccag aacatggaca attccaaggc agtccagggg gtgcttatgg 60

gactgctcag cccccacctc attatgggcc aacacaacca gcctatagtc ctagccagca 120

gctcagagcc ccacagcat ttctgcagt gcagtaccta tctcagccac agccacaacc 180

ctatgcagtg catggccact ttcagccac tcagacaggg ttctccagc 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 tgccccaac 540

caataaaatg t 551

<210> 4781

<211> 417

<212> DNA

<213> Mus musculus

<400> 4781

gcttcttccc cattaattac gtggaagtca ttgtgccttt acctccgtaa atgtgtcttt 60


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tggacctaac ttcagaactg aaatgaattg gcaccagtgc tctctcagtg tgggtgttctg      120
tgacatcctc gctctctggc ccacttaatc acttttgtat gtgtgttttc ttataaatgt      180
attttgtatc aatttaattt gtataactga tttctttgtc ctaactcata aaaatagttt      240
tcttcttggt ctaaaaagtc attgggttaa tgtatttgct tcctgttgct aaaacgagta      300
aattgcgccc attcgaatgg cctgggtagt ccttgactgc agtgggaacg caccctttgc      360
agccatgaaa gctaaagggt ttgtttcctg acattattga tggcctctgg tcttttc      417

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<210> 4782
<211> 493
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

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<400> 4782
aagcctccca agaactgatt cctattgaag attttattac ccctgtgagg ttcttggata      60
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

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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
 caacagggttt cttttgctgg ctgtacatca tgtaatcctc attaaagtat atcttcatag 180
 tgttgaccat aagaaatctt caattaaatg ctaacttctg cctgtgatta gaatttgcca 240
 taaaatattt ggcataaagt aactgtatga aattctaadc taaacactgt tactaaagtt 300
 gtaagtgaag 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 ggcaggggttg tgctgggtgtg ttctccccac tcttgagagg ggtctctcct 120
 tcaggcctca actcaaacag gcttgcacag gagtggagac ttgagccggc agagagaaag 180
 gactgagggga ctgtcttttc tcataggaag ttgggggtgt ccctgggtctt gttttcattg 240
 tgaacagcac agattccagc actggtgtgg gagagagaaa ttccccaccc agacagagag 300
 ccaggaaaga tggagaaagt gaaagtcagt ggtcaggagc aaagacctca tatgagcctt 360
 cagatggttc ggggccc aaaacactcctg ggcccctggg aaggctggga ccatagtact 420
 caaacc 426

<210> 4785
 <211> 314
 <212> DNA
 <213> Mus musculus

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<400> 4785
tttccggccg gagagcagtc agatatgaac ggacgggtgg attatttagt cacggaggaa      60
gagatcaacc tgacgagagg accttcgggg ctgggcttca acatcgtcgg tgggacagat      120
caacagtatg tctccaacga cagtggcatc tacgtcagcc gtatcaaaga ggatggggct      180
gcggcccagg atgggctggc ccaggagggt gataagatcc tctcggtaaa tggccaagat      240
ctgaagaacc tgctgcacca agatgctgta gacctcttcc gtaatgcggg atgtgctgtg      300
tccctgagag taca                                                              314

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<210> 4786
<211> 342
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (60)..(61)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

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<400> 4786
aatcttaagg tcttgccctca caaagtagtt tttcctcagg tgagggatgt ccacctcgcn      60
ngcgcncctgg ttngcagaga ggtacaacac aaatttgagg ggaaagatgg ctctgaggac      120
aactggagtg ggatggtgct agcccagggtg ccattcttac aggactattt ttacatttcc      180
tacaagaagg atccggtcct ctacgtctat cagctcctgg atgactacaa ggaaggtaac      240
ctccacatca ttccagagac ccctctggct gaggcgagat caggatgatga caatganttc      300
ttaataggtt cctgggtgca gtacaccaga gatgatggat cc                            342

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<210> 4787
<211> 445
<212> DNA

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<213> Mus musculus

<220>

<221> misc_feature

<222> (397)..(397)

<223> n is a, c, g, or t

<400> 4787

atgcttggcc ctgaaatgct acagatgttt ttgtagaaat caagatgaag caaagagggga	60
agggtgtggt aaagagacaa gaaatgggag aatctgagaa atggtgagta attatagttt	120
gacaagattg gaattaacct gtgttcttca ggactctatg tgcattaact ctggggtaga	180
caggagcacc tgtaaatagca gaacgtctca cagctacgag tacatgtggc ggatggcagg	240
cagttctact ccgcaatcag gaaatatggt ctaacgttac tctgaaaccc agagccactt	300
cctgcgaaag gctggtttgt acagtggcaa gtcctccac 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 gaaagggtgtg gcatgcacag	120
actccagtgcc ggcagagttc tgtcaagggg gaaagaaaag cacagaccta aggagcccat	180
gaaaatcagc gggttttctt cctagagccc gagcccctgg ttttctatct gttacacaat	240
gtttgaggat tagtcagaat tactgtagtgt 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

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gaatcgcttc ttctccgata aacagagatt tattgatgaa atcaacagtg tgactgcaga      60
gaaactcatc tataattgtg ctgtggaaat ggttcaatct gcagccctgg atgagatggt      120
tcagcagact gaagacatcg tttatcgcta ccacaaggca gcccttcttt tggaaggcgt      180
aagtaagatc ctgcaggacc ctacagatgt tgaaaatgtg cataagtata aatgtagtat      240
tgaaagaaga ttgtcagcac tctgctgtag cactgcaact gtgtgagtag caggcttgtc      300
tgtggactgg catggaacag gaggtgatac atttgggatt acatcttggt tctgtcacc      360
atcccaggac agtgtggtga ctaccaaaga acaagcagca gcttaagaag gaagaacaat      420
acaaaactac tacatattgt agaaaacctg ccttattgga gaagtcactc cccctttcct      480
ttctcttcat agaagcagaa caaaaagttt tccacatggc tcaagtta                    528

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<210> 4790
<211> 472
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

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<400> 4790
agccgaacag aaactccttg tgccaaaaca gacactaagc tggtagcgcc actgagccgc      60
tcagccccc a ccacctcta cctcgtgcac actgaccatg cttaccaggc cacacccccg      120
gtgacgattc ctggatccgc taagttcacc cccaatggca gcagcttcag catttcctgg      180
cagtctcccc cagtcacttt cactggcggt cgggtgtctc ctccacatca tcccacagcn      240
ggctcaggag agcagagaca gcacgcccac acagccctgt cctccccgcc cagagggaca      300
gtcaccctaa ggaagcccag aggagaaggc aaaaangtgc cgcaaggttt atgggatgga      360
aaacagggac atgtggtgca cgcctgccg ctggaagaag gcctgccagc ggttcattga      420
ctgagccatt cctgcctctc cttccaaagg aagctactca aggcccaggg aa                    472

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<210> 4791
<211> 170
<212> DNA
<213> Mus musculus

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<400> 4791
attgttgatg aggattcgcc ggtccttccg cttggagagt tctcggagcc gtttgtacat    60
ttcatcactc agtgcattgag gaagcagccc aaggagagac cggcgctga ggagctgatg    120
ggtcacccat tcattgtgca gttcaatgat ggaaactcca ctgtggtgtc              170

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<210> 4792
<211> 371
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (298)..(299)
<223> n is a, c, g, or t

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<400> 4792
gtcaactcaa ggacgaggcc atcgtgtacc tggcgagag acgcggcgcg ggcctccgca    60
gcctctcatt agcagtcaac gccaatgttg gggacactgc ggttcaagag ttggctcgaa    120
actgcccgcg gctcgagcac ctagacctca ccggctgcct tcgggtcgga agcgacggtg    180
tcaggacact ggccgagtag tgcccggcgc tgcgctctct gcgggtgcgg cactgccacc    240
atgtggctga accgagcctg agccgcttgc ggaagcgtgg tgtggacatc gacgtgggna    300
ccaccctgc accaggctct ggtgctactc caggacatgg caggcttcgc accctttgtc    360
aacctacagg t                                                            371

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<210> 4793
<211> 555
<212> DNA
<213> Mus musculus

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<220>
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<222> (279)..(279)
<223> n is a, c, g, or t

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<220>
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<222> (323)..(323)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <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 gaggccccct 120
 tcttcactgc ttggggcctc ccagacaaag cctggctctg tgtgctctgt agccagccag 180
 ggcataggag cctttgggta gggcccagtc ttgtactgac caaacctcac tttcttctct 240
 gagcctggag tctcagcttc actggacaca gcccttcna taccctgggc gcccatctca 300
 cccaagctg ctggatacag cnttacctgn acnccaaccc ntggcggact cagaaaagca 360
 ttcaataggc ttggccagga acttcctgtt ttccacttnt gctagccact gtgacctcac 420
 agatccttct gtattccact ctcatctggc anccccaacc aggtgttctc agaagaacgg 480
 actggggggc cagcatgcc aattcagagcc 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

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<400> 4794
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cactggttga acaaaacgga agaggaggct tctcggagca taaggagaa gatgtccatc      120
aacgactctc ccacccatgg acatgacata catgtgacca gagatttggt gaaacaccat      180
ctctcaaagt ctgatatggt aacagacccg agtcaagaag tcctggagga aagaacaagg      240
atccagttta taagatggag ccacaccgt atcttccaag tgccaagtga agtgatggat      300
gacgtcatgc aggaacgaat agatcaagtg agacgaagcg tatntcatct catgtgtgac      360
tcgtacaatg atccaagctt                                     380

```

```

<210> 4795
<211> 427
<212> DNA
<213> Mus musculus

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```

<400> 4795
atgactcctg tcatcgaggt atgggacctg gatatagtgg actctctaga accagtcttc      60
aactgggaa gcaagctttc caaaaagaag aagaagaaag ggaagaagag ttcctcagca      120
gaaggacata ctgatgctgt ccttgacctt tcctggaata agacagtcag aaatgtgctt      180
gcaagtgcac cggcagacag cactgtagtt ctctgggatc tgtctgtggg gaagtcagta      240
gccaggctta ctgcacatac agacaagggt cagactctgc agtttcatcc atttgaagca      300
cagactctga tttctgggtc ctatgacaaa tcggtggctc tgtatgactg cagagaaccc      360
agccagaacc cacgccagtg gcggttcagt gggcagatcg agagagtgc ctggaaccac      420
ttctcac                                     427

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<210> 4796
<211> 396
<212> DNA
<213> Mus musculus

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<220>
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<222> (282)..(282)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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

<220>
 <221> misc_feature
 <222> (327)..(327)
 <223> n is a, c, g, or t

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 tgactacgaa gcaccacctc aagaagcggg cgtccagtgc tcgtgccaac atcacgctgt 120
 ctgggaagaa gcgcaggaaa ctcttcagc agatccgact tgcccagaaa gaaaaagcag 180
 ccatggaagt ggaagcccc tccaagtcaa ccaggactag tcagccacag cccaagcaac 240
 aaaagaagat aaaagctccc caggacgtag ctatggagga tnttgaagat aagagctaaa 300
 atccctgcnt ntntaccag 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 ctcattgatgg tagttctgct gggctctctc atattctttg 180
 gccccactgt attcctggaa tggctctccac ttgatgaatt ggcaacttgg aaagactatc 240
 tttcaagctt caattcttac ctgactaagt ctgctgattt tata 284

<210> 4798
 <211> 480
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (333)..(333)
 <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> (449)..(449)
 <223> n is a, c, g, or t

<400> 4798
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 gccgaagaag ctgactttct ccttggaac gcagatacct tcctctttct cgcccttcca 180
 gggcagcagg agagggaaga actgaggtcc aggcttttcc ctatctccct gaggccagga 240
 cagtctttct 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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 tgggtccagct aggggatgta gttcatggtg tggaaaggct ggtggacctc ctggggtgga 120
 cacaagaact gctggatctt atgcagcggg aacgtggcaa gctggatgga caggacagat 180
 aagactatgg cttcttcacc tggggaagtc acacagcaga tcatcctatg tccagcaaga 240
 cttcatgcct gaagacagct ccaacacgtt taaaacatg aaccagacca caacatgtgg 300
 cctggacagt ggtcctccga ggctgccttt ggaaaggctg accagggatg tctacccttg 360
 gggccccctc atgtgtgcgc cctgtccacc tcactactgc tgaagggtga gtgcagggtc 420
 tgctttctgc agcggccctt aagttatcac gagggcagca cagcacgccc gtcgccaggc 480
 aggcgatgca ctagggcaat ctagcatggt 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 cggaggggtcc tgggagcagc 120
 tggtacctca cgcaggatta acatttctct gcaaaggcag 160

<210> 4801
 <211> 565
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (323)..(323)
 <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)
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 <223> n is a, c, g, or t

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 <222> (391)..(391)
 <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> (426)..(426)
 <223> n is a, c, g, or t

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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

<220>
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 <222> (517)..(517)
 <223> n is a, c, g, or t

<220>
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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

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 ctgaactgga aaatatcacc attcaatgtg atcctggata taccatagtt gggtcaccaa 120
 acatcatttg ttcaaacaga acgtgggtacc ctgaggtacc cagctgtcag atggaggtcc 180
 tagaagactg cagaatagtg agcagaggcg cacaactctt gcattgcctc tcaagcccag 240
 aagatgtgca cagggccctg aaggtgtaca agctgtttct agagatcgaa cgattggaac 300
 atcagaaaga gaagtggata canttacaca ggaaacctca ntctatgaaa attaatagnt 360
 catttagact ttincaattag tggacagant ntccacgna gcagctggcc tgacacacac 420
 caccantcct gttaaaaggt tttggggcca gaagaactta ggttgtgttt tttttntttt 480
 ntgttttgtt tttgaaacta tntcattcat tagtgtntag ccattgtggt tcaattntn 540
 tacttggctg gactcactga aatag 565

<210> 4802
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 4802
 tgaggccttg tacaagtgcc agcatttgac taaagaaaat caattatact gctgcaggaa 60
 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
 ggcaagggct tattgttcct gacaaccctc catatgataa gggagccttc agaattgaaa 60
 tcaactttcc agcagagtat ccattcaaac cacccaagat cacatttaaa acaaagatct 120
 accaccctaa catcgatgag aaggggcagg tctgtctgcc agtcattagt gctgaaaact 180
 ggaagccagc caccaagact gaccaagtaa tccagtcctc catagcactg gtgaatgacc 240
 cccagcctga gcaccactc cgggctgacc tagctgaaga atactctaag gaccgtaaaa 300
 aattctgtaa gaatgctgaa gagtttacia agaaatatgg ggaaaagcga cctgtggact 360
 aaaatctgcc atgagtgatt ccagcaagtt tgagcagaga ccccgagcag tgcattcaga 420
 caccgcaaa agcaggactc tgtggaaatt gacacgtgcc accaactggc gtccgcttgt 480
 ggcagttact aactt 495

<210> 4804
 <211> 525
 <212> DNA
 <213> Mus musculus

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 <222> (235)..(235)
 <223> n is a, c, g, or t

<220>
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 <222> (355)..(355)
 <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>
 <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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 caaaccagac ctagattcat acgtgtttct gcgagtgaag gaacgacaag aaaacatact 180
 agtagaacca gaagccgatg agcagagaga ctacgtgatt gacttggagg tgggnctcac 240
 agcacttgat ccgatacaaa accatcgcac ctcttggttc ttctggagca gttcagctaa 300
 tataaaacaa agcaagcctg aggacatgga gtggtcacag acaatattag aaacnccatc 360
 ttttgtgtct aatagtgaag tcatgttcca tacagttcnt cagcaatgtg tggaccactt 420
 ggacgtagaa aggcncgat gcagaattcc cttcgttgtc acanccttct cctaaattcc 480
 tgtttaacca gcaccaacag atgggcccgt gctctgaata ctcag 525

<210> 4805
 <211> 483
 <212> DNA
 <213> Mus musculus

<400> 4805
 agcgacaggg tatttcttcc atgcaggaat ctggaccaa gaaagtggcc tctattcaga 60
 gaaggaaaaa gcctgcttca cagaaaaagc gacggtttaa gactcacaat gaacacttgg 120
 ctggagtgtc 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
 ttttaactttc tgggtttgtt tgttttatct 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 atcgagggtta tcgagggcct ggagaacaac 120
aacaaactca ccatgtttgga tattgcatca aatagaataa aaaagattga gaatatcagc 180
catctgacag aactgcaaga attctggatg aatgacaatc tactggagag ctggagtgac 240
cttgatgagc tgaaggggtgc caggagtctg gagaccgtgt acctggagcg caaccccctg 300
cagaaggatc cacaataccg gcggaaggtc atgctggcct taccctctgt gcggcagatc 360
gacgccacat acgtcaggtt ntgagccctc cttgctcctc acctgggtccc tntcctcaaa 420
agaacttccc agccacggtt ttttaatnct acctattgct cctgatgtcg tcactatacc 480
aacagtcaca acccaatggc aataataagg cactgggtggc acctggcctg tgatgctaca 540
caccatttgg agat 554

<210> 4807
<211> 361
<212> DNA
<213> Mus musculus

<400> 4807
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taggcacagc ctctcttacc agatcagtgt taaaaagaag caccttggct cccatgcagg 180
aagacagagg cccattcctc ttgtctatag ccagccgagt ggctacttgt cactttccac 240
aaagaattaa gtatgagagt tttggatggg acagtggact aagctaaaaa tgtacttcac 300

cagcaagaat caactgtaaa attcaagatg ttctttcaaa 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

<220>
<221> misc_feature
<222> (434)..(434)
<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> (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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gtgctggagc agatggacct gatggacatc tcagaccagg aggctctcga tgtcttcctg      180
aactccggcg gagaggacaa cattgtgatg tcccctgggtg tggagatgga atccaacccc      240
aatcagaatg aaatgagtct tcagattcca agtccctcag aatcagcatc ccagccacct      300
gcctcacctt ctgcctgcac tgacctggac actgctgatg cccccctcat ccagtctgat      360
gaggaggagg tacaggtgga cncgnccttg gtcacattac aactgacag aaantccacc      420
ccaggtgtca gtgntgacag tgaccagtat gantcaactc aggacattta agtgacttnt      480
nancgtgtcg cagantcctc ctgcaaagcc aggtgcttag aggttttcaa ttttacacac      540
ttgctaattgg gat                                          553

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<210> 4809
<211> 463
<212> DNA
<213> Mus musculus

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<400> 4809
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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 cactgttggt ttctaaatgt catttcaaca tgatgtgatt      420
gtagcttttt aactatgaaa cccctgagag attgtacctt cta                                          463

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```

<210> 4810
<211> 366
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

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<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
aacctagtc agtgctgacg ccttcatttg gctctgcagt caactttcca aggcacggtg 300
tggaacgcatc tgtcaccgac ccgaggtgac gtggtanctg ggatgtgagt gcagtagtga 360
gtcccc 366

```

```

<210> 4811
<211> 245
<212> DNA
<213> Mus musculus

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<222> (49)..(49)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

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<220>
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<222> (102)..(102)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (171)..(171)

<223> n is a, c, g, or t

<400> 4811

gaaaagatgt aagctatgct cattgatacc atgtatgtac ctgcatgtnt acgtgttgct 60

aaaatgantn ttctgtgntc aaaataagca gggggaggag tntnttcac attgagatga 120

agcccaaggt tgaaagctgt cacctccacg cccctngtca cagctgatgc ntcgtctcag 180

gaagctctgg ttactgtca gtaaaagcaa ttatTTTTat agtaagaaat caacttgttt 240

ctgat 245

<210> 4812

<211> 278

<212> DNA

<213> Mus musculus

<400> 4812

tgtttataag ccactgtcac tcgggctctg cggcacgtct gtaatcacat gtctcccagc 60

tctggcatgg gagcatcctg ggtccttcag gaggcattgc tgaaatcttt cccatactac 120

atttcttcag gtttattcca agcttactct ctttgtctag gtcttttttag taagaattct 180

gcttttgtac atattaacat gttgactcta ctgcagcatg tgttcctaca tgggacaggt 240

ggttagtgtg cagcagatag aatctcatga cgctgtat 278

<210> 4813

<211> 210

<212> DNA

<213> Mus musculus

<400> 4813

gcagtgtctaa cgacacggag tcggagagcg ccactggtga aggttcagaa agtgatcctg 60

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

<400> 4814
 tgacttcagt agaccagct ccagctgcc tcaagtcagg atctccatct ttaccccagg 60
 cagttggtct tccttctgag gccactagga aaccagcaat aatgtgcagc ctttcagctg 120
 aaagcaagag gcccaagtgg gtccccccag ctgcctctgg gagcaggaac tctagcagca 180
 atgcattggc aggaacacct gcccaagtccc cgagtcagag cctgcgctctg 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
 ctggatcctt gacctacttg ggcactatgc tgtaatgaac aaccccacca gacagccttt 60
 ggccctgaat gtggcttaca ggcgctgctt gcagattctg gctgcaggac tgttcttgcc 120
 tgggtcagtg ggcactactg acccgtgtga gagtggcaac ttcagggtac acacagttat 180
 gaccctagaa caacaggata tggctctgcta cacagctcag actctgggtc gaattctctc 240
 ccatggaggc ttttaggaaga tccttggcca ggagggggat 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

<400> 4816
 ggctgaggaa tatgcccggc tctgccaaga gatcctcggg gtgccagcca caccaggtac 60
 caacatgccca gccactttcg gccacctagc tggcggctat gatgctcagt actatggcta 120
 cttatggagc gaagtgn tac tcgatggaca tgttccacac acgcttcaag caagaggggtg 180
 tgcttagccc caaggttggc atggactaca ggaccagcat cctgaggcca gggggctctg 240

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aggacgccag cgccatgctg aagcagttcc tgggccgcga cccaagcag gacgccttcc 300
tcctgagcaa gggctctgcag gtggagggca gcgaggcgcc tgcgtgctga ccggtcccca 360
gctcgccgcc ctgtgcctta gccagcctg ctgggcagct cagcaaccct tgggcgtaca 420
gatg 424

```

```

<210> 4817
<211> 74
<212> DNA
<213> Mus musculus

```

```

<400> 4817
tcggaaaatg gtaactgaag atgaagtcag acagacagag aacaccgaat ccaccagta 60
gtgttctaaa attt 74

```

```

<210> 4818
<211> 435
<212> DNA
<213> Mus musculus

```

```

<400> 4818
agcctggtca gagcaccgga agttcctgtg attgctgggg ctttctgcta tgatgtcact 60
ttggataaga gactggatga gtggatgcca aaaaagaga acctgcgttc tttcacaaaa 120
gatgcccatg ctttaatatata tagggacctt ccctttgaaa ctctggacgt tgatgcaaga 180
gtggcgctgg aaatatattca acataacaag tacaaagtgg atttcataga ggagaaggca 240
tctcagaacc ccgagagaat agtcaagtta cacagaatcg gtgacttcat tgatgtaagt 300
gaaggccccc ttattccgag aacaagtgtt tgcttccagt atgaagtgtc agcgggtccac 360
aatcttaacc ccagccagcc gaacctcatt cgcagatttc agggcctgtc tttaccacg 420
cacttgagag cacag 435

```

```

<210> 4819
<211> 391
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

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<400> 4819
gaatttactt cccacctcaa aatcaaatcc cttagtatcc agacggagtt tgcttcagac 60

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cgcgaggag gttggaagtc atgccctgaa ggggctgtgc cctctcctgc tggagaactc 120
agttcctgaa tcttgatcct gaattcttat tcaaagtttc ctccactggc cttcaagatc 180
cgccctctcac 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

```

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<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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<400> 4820
gtaggcagcc atgaacaatc tattttgagc cacttttaggg agaaaaactt tgtattttta 60
aaacttgcat aaaaattatg caagtgggtt ttataaantn ggaataatac ctcagttttg 120
aggttatgca cactaaatta aatatgtcat aaattaattt gtacaaaaag aactctttat 180
aaggtggctc attgtaggaa atcctgtgcc ttcccctttg agcacaagtg ttgcatgaac 240
aacagtttgc tataagaaac ataccagggt agccaccatt agcatctata tntactttgt 300
gtttaaaaat caactggtaa ttctgaaaca ctgtagaatg gataaaaatt attttgtgat 360
cataactctt tgttgaacta gagtattttt gcagcattcc ttgtcatcaa aaacatgggt 420
aaactttaaa actagaagca gcagaaaact agcttgtaaa atttattcaa gtagagtaca 480
ggctaggct 489

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<210> 4821
<211> 548

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<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 cagtgggttca gtccaatgct gtgccacttt tcttgaggct tctgcattca 60
 ccccatcaga atgtctgtga acaggcagta tgggcgttgg gaaacatcat aggtgatgga 120
 cctcagtgtg gagattatgt gataagtctt ggagttgtaa aacctctgct ttcattcata 180
 agtccatcta ttcctataac attcttaaga aatgttacct gggttatggg caatttatgt 240
 cgccacaaag acccaccacc accaatggag acaattcagg agattcttcc agctctttgt 300
 gtattaattc atcacacaga tgtaaataac ctggttagata ctntctgggc cctntcttac 360
 cttacggatg ctgncaatga acagatacag atggtnatag actctggcat agttcctcac 420
 ttggttccgc tactcagcca ccaggaagtt aaagttcaga ctgctgcact gcgagctgtg 480
 ggcaacattg tcaactggaac 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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aaggacctca tctacagaat gttacagcca gatgtcaacc gccggctgca catcgatgag      60
atccttaacc actgctgggt gcagcccaag gcacgaggtc tgtcctctgg agccatcaac     120
aaggaggggg aaagctcccg ggccactgag ccctcatgga tccctgaacc tgggtgctgat     180
aagaagtctg ccaccaagtt ggagcctagg gaagaggcac gatctgaggc ccggtctgag     240
tcaaaacccc aggaagatac tttgcagntg ntcagncagt cagagaacgt gggcctcagc     300
agcgaantga acaggganac agaggaaggn ncccccaac anccttcaga gacacatact     360
tagtganncn tcttgcagcc cagggggcca gcagggaatg aggcagagnt catggcttga     420
agcctgagcc tagaagtcaa gggacgagag agagaaggaa gacantcccg gatgagctat     480
tttngtcact ttnttntccc cccctttgaa cttggtaact cacacggcta aa              532
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<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

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tgggtgttctt gtaccacagt ttttaaccga aggaaccagt tggaacaatc tcaatttana      60
ctaaaacttg aagaactaaa ataacaatgc aaaccttttag 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
ggaatttctga ttcattgccca catagattat cagctgccaa aatgggtatat tatttagatt 60
cttctagtca aaaacgagca atagagctgg cgacaacact tgatgggatc cctcaccaac 120
agaaaccttc agacttgcatt ggaggtgttg ggaagccttg ttgtgatggt agcctaggag 180
actgtaaaga agctgccgaa gcctacagag caagttgtca taagcttttc ctttatgctt 240
tggttttcat 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 gnaaggaac ttcagcggtta 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
aacaagaac 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 cttataaat gtaccactg 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 ttcttttttg agagccagcg catcctaact 120
ggtggcaaag atatcaagaa ggaaatcagt cagccagaaa cacctcagca caaacctagc 180
accagaaga ccagggatgc tgcatctgcg ctggcctccc tagactcctc cctggaaatg 240
gacctggagg ggctggaaga gtacttttag taaatgatgt ggccactgta gtatctcctt 300
tccccagcg aatacatctc tgtttgaaag gtttacaaag gcacacccat gcacacacac 360
acatttactg ggaagcaggc ttgcttccac cttacttttg acagaatggg aaaggaagca 420

ttcctattga aactgttaaa atcctcaagc agcaagacaa ttaaaactaa cttttaaagt 480
 ttgtataat 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 ttatttgagc 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 tgctgaaac caatatcctg tcttattttc cagaatgttt 60
 tgagtttatt gagcaagcaa aactgaagga tggcgtgggt ctcgtgact gtaatgcagg 120
 tgtttccagg gctgctgcaa ttgtcattgg cttcctcatg agttctgaag aagccacttt 180
 caccactgcc ctgtcgttgg tgaaagaggc gagaccatcc atatgtccga atcctggctt 240
 catggaacaa ctccgcacct accaagtagg caaggagagc aatggaggtg acaaagtgcc 300
 cgcgaggagac acgaccggtg gtctgtgatc tgtactccag cagaggcaaa cgacttctgc 360
 atcagactct gtcctcttgc ctgtgttttg gaaggaaact tggaaaactt cccttttctg 420
 ttntctttta ccagtggaaa tgaacgttac ctttgtcgcc ctg 463

<210> 4830
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 4830
 gtccttgac aagtttctga acctgaatt gcattgtgag atggaaaacc cttctcatgg 60

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gaacgggtat ggctaggact ttgtgacaga gctcttgctt agcatgtata aggtcctaag 120
ttccatcccc agcaccacag aacaggcaaa accagtgaat actgagtgct gtataaggta 180
cacagcccag agcttacaac atagagcaag gcttctaggg tgccaatggg gccagcact 240
tactcatgct caccagctgg acggccatgg ctaaagccca gagtgaactt attttttccc 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

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<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

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<400> 4831

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acaagagcct ctgtgtaatc cagggcttgg ctgacattta catctttctca gaggacacca      60
cgtacaagtg ggactcctgt gccgcccacg ccattctgag ggccatgggt gggggcattg      120
tagacatgaa agagtgctta gagagaagtc cagacacggg gttggatttg ccacagctgc      180
tgtatcatgt ggaaaataaa ggtgcttctg ggggtggaact ctgggccaac aaggaggaggc      240
tgatagctta caggtccagg aatcggcntg gacaccttcc tgancncct natccaaaac      300
ctcgggcctt gtaaagacac aagcataaga ctctcatctc aggncccttc anccgaactg      360
catcttttcc tgttatctct tgaagatagt tttgtccac tggttaaaat tcaccttcct      420
gttttgagga acattttctc attatgtgtt catgatgtga attttagtaa attagtggca      480
tttgtgtcac agttaagttg gtatatgaca tcgttatatg aacattgtgc tgttattgtt      540
gcttgggaacc cttcaa                                                    556

```

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<210> 4832
<211> 474
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

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<400> 4832
gacaactttg aacaccagga ctccactggc ctgtttggaa cagagcagca aggcaccagc      60
cctgccctca gtactgcgaa ccacaccaga gagctcggtt ttcctaggtg gaaactacca      120
agtccctgta cacaagttaa tgcccatct tctaaatggg cacggtttct cctggcacct      180
ggaaatagtc ctcaagtgga tgagaaacca agtcctctgc aggaggccac catgctagct      240
gacctggcac aagggaactgt tgagaacaag actccagtgg aaggccactt cagcagagcc      300
ccntgccatt agngcctcct caagccattc aactaccac 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 tgtggcgcgagg attcctgggtg aggcaaactc 180
 tgctgggtgc tgccctcaat gtctgggtga ttcagtgtcg gtggagaagc atcctccaca 240
 gacaggtact taaacggcgagg 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>
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 <223> n is a, c, g, or t

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 ttatgggagg agcatctgcg aatgaaatgc tgttcagtgg gcggaagttg acggcacagg 180
 aggcctgtgg caaggggtctg gtctcccagg tgttttggcc aggaaccttc acacaggaag 240
 tcatggttcg aatcaaggag ctggcttcat gtaaccaggt tgtcctggag gaatccaaag 300
 ccctggtgcg ctgcaatatg aagatggagc tagagcaggc caatgagaga gaatntgaag 360
 tgctgaagaa gatntgggnn tccncccagg gcatggantc catgttaaag tacttacaga 420
 ggaaaatcga tgagtnttga tgggcaggct gagcaggaca tcggtggntc ccacttgnta 480
 cntcntcctg cagtggntcg tgcttgaggg cagaactgga aacatccgag ctatttattg 540
 ccgcggagtt ttttaagtact g 561

<210> 4835
 <211> 438
 <212> DNA
 <213> Mus musculus

<400> 4835
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 tcggtgtacg tgtacaaggt cctgaagcaa gtgcaccccg acaccggcat ctctccaag 120
 gccatgggca tcatgaactc gttcgtgaac gacatcttcg agcgcacgac gggagagggcg 180

tcccgctgg 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

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 aaacttcgcc tgtctgacga ctggagatgt gattgctatc aactacaatg agaagatcta 120
 tgagctgcgg gtgatggaga ccaaacctga caaggctgta tccattattg aatgtgacat 180
 gaatgtggat ttgatgctc ccttgggata caaagaacca gaaagaccag tgcagcatga 240
 ggagtcaata gagggagaag ctgaccacag tggctatgcc ggagaggtgg gcttccgtgc 300
 cttctctggt tctgggaata gactggatgg gaagaaaaaa ggggttgagc ccagtccctc 360
 cccaatcaag cctggagaca tcagaagagg aattcctaatacgaattta agcttggttaa 420
 gatcactttc atcagaaatt cacgtccatt ggtcaaaaag gttgaagagg atgaagctgg 480
 aggagattc attgctttct ctggagaagg acagtcactg cgtaagaagg gaagaaagcc 540
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<210> 4837
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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> 4837
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tattcaagaa caggacgcgg gtcttgatgc ctttcctct atcataagtc gccaaaaaca 180
aatgggccag gaaattggga acgaactgga tgaacagaat gagatcatcg atgaccttgc 240
caacctcggt gagaacacag atgagaagct tcgaactgaa gccaggcgag tgaccttgg 300
ggacagaaag tcaacttcct gtgggatgat catggtgatt ttattgctgc tngtggctat 360
tgtggtngtt gcagtgtggc caaccaactg atagcaataa agggaccacc cgctgtgaca 420
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<210> 4838
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<212> DNA
<213> Mus musculus

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ctgaagcttc ggatgcagaa ggctctgaac cgccagttca aggcggataa gaaggcagct 180
caggagaaga tgatccagca ggagcatgag cgncaggagc gagaggatga actgcgagcc 240
atggcccgaa agatccgaat gaaggagcga gagcggagag agaaggagag agaagaatgg 300
gaacgccaat atancncca ganccgntcg cctccccac gctacagtcg agagtacagt 360
tcctcccgaa ggcgctcaag gtccaggtcc cgaagccccc attacagaca ttaggcagaa 420
aacggagttg gggctgttat gctgctgggt ttctgtagtg aa 462

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<210> 4839
<211> 457
<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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<220>
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<223> n is a, c, g, or t

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gaaagaaat 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 ccatcctggt 420
gaatagaaag ctgttagtct tgttacagca tttgaag 457

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<210> 4840
<211> 378
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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 gtctacggcg gaatgtgttg tgtggtgccca ttacacccca gcagatagct gtgatgacat 180
 cagaggagat ggccagtgc 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

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 atccacttgg aagctggcag acaaccagac tcgggacaca cagcttataa cagttgatga 120
 gaaactggat atcacaactt taactggtgt tccagaagag cacatcaaaa ccagaaaggt 180
 cagaatcttt gttcctgctc gcaataacat gcagtctgga gtaaataaca caaagaaatg 240
 gaagatggag tttgatacca gagagagatg ggaaaatcct ttgatgggtt gggcatcaac 300
 cgctgacccc ctctccaaca tggttctgac cttcagtgcc aaag 344

<210> 4842
 <211> 312
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 ttacaggctg ctagcttata taagctagaa gaagaaaatc acgaagctgc tacatgtctg 180
 gaggatgtng tttatcgagg agacatgctt ctggagaaga tccaaagtgc acttgctgac 240
 attgcacagt cacagctgaa gaccagaagt gttacccgta gtcactctct cccagactca 300

tagcatcaac tg 312

<210> 4843
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 4843
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 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 ctttgaatgt gcattctcac cgctccctta ggacatatga 420
 a 421

<210> 4844
 <211> 194
 <212> DNA
 <213> Mus musculus

<400> 4844
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 tggggagtgt tatgcctggg agctgtcaga ggggtccatcc 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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 actagaagtg tcactttcca cagtggagtg ggggagtttt tgtgtcctcc agatcacaag 120
 ttgtttcctg tgtttcaagt gagatactct gtccgttctc agcgactcct cagtgtgggc 180
 tatagacagg cattaactgg ggcattgtgt tgtggtgggt gttgttaatg gactctggag 240
 tgtgttgga tttt 254

<210> 4846
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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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 aggcagtgga tcgggaagca ccggcggccg cgtaccgtgt ctttccaagc gaaggagagc 120
 atgatccgtc gcctggaggt ggaggccgag aaccactact ggctcagcat gccctacatg 180
 acagcagagc aggagtgcgg ccacgccgcg gagcgacggg cccaggcttt tgaagccatc 240
 aaggcagcgg ccacttccaa gttccctaag catagataca ttgcagacca gctagaccat 300
 ntcaacatnt cgaagaaatg ntcctaacc ttcaagatta tggataccgg actgctctnt 360
 ccttacttgn tcctggagct gagaaaatgt aatttatgta ccagtgtgac cccttcgacc 420
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<210> 4847
 <211> 495
 <212> DNA
 <213> Mus musculus

<400> 4847

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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 aagggttaagg cagagaaccc ctaactgtcg tgttatctca gaattctcaa    420
tgcagacaat tgacaatgcg tgacctgtgta aatgtacgta aatgtacggc tgactgtgag    480
agcttcgttc ttggc                                                         495

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<210> 4848
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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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 ccaccacaca agcttccttg acaactgcct gaaggactgc atgctgacca accctgagct 180
 gctgaagggtt ttctccaagc tcatgtccgt atgcgtcatg tttaccaact gtatgcagca 240
 tngtctnag catgtgnatg ctctcanct gncctctggt ttcgagncca cntcaacaa 300
 ctttgacnaa aantntntn cccatnttct tgatttntctg ncccgactaa gtntntacag 360
 caccagtgc tncgaacatg gcatggccag tntnatntcc agactagatt tnnantgggt 420
 tntatgctga acncctggaa cntctntntg cagaaaggan tcagaaggct ncccccaag 480
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<210> 4849
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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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<222> (378)..(378)
 <223> n is a, c, g, or t

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 <222> (390)..(390)
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<220>
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 gtcgcttaca tctccccggc agtaaccgga 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 gccacatca aantacaaca 420
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<210> 4850
 <211> 491
 <212> DNA
 <213> Mus musculus

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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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<222> (451)..(451)

<223> n is a, c, g, or t

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attctttccc cccaggaatg tccccaggg cattgggtcca gagccagaac ttccnctgg 180

gctctgtact gaggtgtggg cctgtcttcc cttgctggct ctcaccctc tgtgctctgt 240

ctgtgccagg cctgcactga tccattttca ataagggtgtg gtgagatctt gccccttgaa 300

gtaaacacag actatgttta cttttcaggc tggtaaaagc actgcaccat ggtcctaaca 360

ctggctgcac agggcttggg aggcctgaga caggactgct gttgcttctt ccccaccac 420

acagagacaa gctanccctc tancctcctg ntcaccaggt atatgtaacg tgtactgtga 480

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<211> 570

<212> DNA

<213> Mus musculus

<400> 4851

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ggaaatgggt gctggcgcta actgtgcctg tgttcctggc catcatttaa ggaagaatga 180

agtgaagtgt aggatgattt atttcttcca cgaccctaatt ttcctgggtgt ctataccagt 240

gaaccctaag gaacaaatgg agtgtaggtg tgaaaatgct gatgaagagg ttgcaatgga 300

agaggaagaa gaagaagagg aggaggagga ggaagaggaa atgggaaacc cggatggctt 360

ctcaccttag gcatgcagtt gcaaagccca gaagaaagaa atggacagcg gaagaagtgg 420

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ttgttttttt ttcccttca ttaattttct agtttttagt aatccagaaa atttgatttt 480
gttctaaagt tcattatgca aagatgtcac caacagactt ctgactgcat ggtgaacttt 540
catatgatac ataggattac acttgtagct 570

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<210> 4852
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<212> DNA
<213> Mus musculus

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cgtgctgctc ccacagacgg tgggccagtg gaacgtggga tctcatcagg atatcactga 180
agagagcttc tcccttttct ggatgctgga acctaggata gagattgttg tgggtgggcac 240
tggaacaag actgagcggc tgcaccctca agtactacag gccatgaggc agcggggaat 300
tgctgtggag gtccaggaca cgcccaatgc ctgtgccact ttcaacttcc tgtgccacga 360
aggtcgagtg acaggagctg ccttcattcc cctcctgga gagactgcac tggcttcttt 420
gggtcaag 428

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<210> 4853
<211> 433
<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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<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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<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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 aaggtgaagt acatggagtt tgatctgaat ggaaatggag atatcgatat tatgtccttg 180
 aagcgaatgc tggagaaact tggggttccc aagaccacc tagagctgaa gagattaatt 240
 agagaggtgt ccagtggctc cgaggagacg ttcagctant ctgactttnt cagaatgatg 300
 ctgggcaaga gatntnccat cttnagagaat gattntgatg tatgaggaga aaaacaaaga 360
 acacaagagg ccaactgntc cccagccaa 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

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ggagtgtgtc cagtttattt ttcataggac caatTTTTat ttgcagctta ggTTTTtata 240
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gtgccatact attgttaaaa tgaactgttg ctattgtgag atggatttcc tttcgaatgg 360
cactacctta gggacattct agtattgctt ctattgtttg ggcattgtgg ataatgtaca 420
gatttaaaaa caaatcttgt tgctgatttg tccatttctt tccctgcact ttgttacatc 480
tgggatacag tctaactcat ct 502

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<210> 4856
<211> 394
<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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tccggccctt gcgtagcaat agagatccaa cagagcaacc ctacaaagac atttcgagaa 180
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atTTTTtgta aaactaaggt tcaaaatgct gttcattgca cggatctgcc ggaggatggg 300
ctcctggagg tccagtattt cttcaagatc ttggataatt agctnctcca gagtaaagac 360
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<210> 4857
<211> 175
<212> DNA
<213> Mus musculus

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<400> 4857
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agttagactg gaatttactg aaaccagaca tttatgccac aattatggac ttctttgcat 120
ctggcttacc cctagtgacc gaggagacgc ctccgcctcc gggagaagca ggctc 175

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<210> 4858
<211> 337
<212> DNA

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<213> Mus musculus

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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> 4858

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ctgccccagc tccatcatca ccctgaagag cgggattcag aacatgctgc agttttatat 180

tccagaagtg gaagggtgtg agcagggtgat ggatgatgac gaatcagatg aaaaagaagc 240

aaattcatct taaataatcn gcattttctt tggccacaac cattggacnt atctttactg 300

atcctgtaat tatagtctct gctatggaag ttattata 337

<210> 4859

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<212> DNA

<213> Mus musculus

<400> 4859

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gatcaagcag cagcacgggg aggccaacaa ggaaaacatc cgccaagact tctaatgact 180

caggcgacgt gggctccgca gactcagcgg ggactttctc ggagcgactg tgggtggttac 240

atggttagag accatggact atgtaaactg ttgtattgct tctgt 285

<210> 4860

<211> 390

<212> DNA

<213> Mus musculus

<400> 4860

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aattagtcca atttctgttg caaaacccac aactctatag cctgggtgag tgaacaagaa 120

aaagaggctt atcttgactc ctggttccgg tccaagggtca aagggtcatct ggatatggcc 180

ctcttgttgc cagagtaccc aggtacgcat aggctagcat attacaaaac acgagaagcg 240

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tttgttttca gagtctcttg cagcccacat tgaccttgaa cttattatgc ggtcccttct 300
gtctgtcctc atcagacatc ttatgattct tctgcctcag cctccttaat gcttggattc 360
aaagtgtatg tcactcactt aggaggcgga 390

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<210> 4861
<211> 512
<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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<220>
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<223> n is a, c, g, or t

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<400> 4861
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tggtaaaagt gtcagaaata gttacaaagt caataggaac tggataattt ctgtaacccc 180
atcgtttata agcccaaacc aaaagtagaa gtccttgaag acaaagcaaa aactggtagt 240
gagcacaatg gaccaatgga cggacagagt ggttcagaga ccagcccaga tccacccaaa 300
ggaagctcac agcacaccga ntccggagag atggaagtgg actaagtgtc atgttatcca 360
agcagtgggt taactaaagg gcccatcat cctttatgcc cggtacacac aacatatgtt 420
cagttgttct taactacttt tgntcatttg ttttttgag tagttttgaa aagtgtctat 480
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<210> 4862
<211> 455
<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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 ggattcatgt tttctcagag gaacttttca cttgaaactg ttgatctact tgtccaaaag 180
 accagctgct gcgacactaa tgctaagcct atggggaagc actgttgacc tgctcagggtg 240
 cacatctgtg atgccgacag acttggttca gtttttatag ttgtgttggt tttcttaatt 300
 gatTTTTgtt aataatacct taatccaggg tagggagang ttgcacaatg cattgcatta 360
 tatataccta tcaactgattt aatgttccaa tgtagataga cactattaaa taagcagtaa 420
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<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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 tgcgttgcta ctggtacctt ggactctgaa ctcaggttac ccacctgagt cctcagtagg 180
 cagtggaccc attgagagggc aaatgagaac aggagggaga caagctgtgt tctggggcgc 240
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tattgttttta ttatatattat acggaaaatg tggctatcct tttgttaagt gcagagtgtg 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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 agcctgtttgc agagaccttg ccaggagaac cagagacgct tcctcagggc cctgccaatg 180
 cccacctgag ggacttggat gaggagatat ttgatgatga tgacttttac caccagctcc 240
 ttcgagaact catagagcgg aaaaccagct ctttgatcc aaatgatcag gtggccatgg 300
 gaaggcagtg gcttgcaatc cagaaactac gaagcaaaat ccgcaagaag gtagatagaa 360
 aagccagcaa aggaaggaaa cttcggttcc atgtccttag caagctcctg agtttcatgg 420
 cacctattga ccacaccgca atgagtgatg atgccaggac ggagttgttt cgatctcttt 480
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<210> 4865
 <211> 276
 <212> DNA
 <213> Mus musculus

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 cagagattcc gagatggcaa agagaaggtt ctcataacga ccaatgtctg tgctcgaggg 180
 attgatgtga agcaggtcac catcgtcgtg aactttgacc tccctgtaaa ccaatcagaa 240
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<210> 4866
 <211> 456
 <212> DNA
 <213> Mus musculus

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 <222> (342)..(342)
 <223> n is a, c, g, or t

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 aggagaagct cttgcttacc ttgggtgctt ttttagacaa tcattttcct ctgcctgaag 180
 caagtactcc aaagaaaagg aaaaacattc aagactcgaa tgcacagctg ataactga 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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 ggttggacct attagataca acagagctga acatggagga tttctgatgg gacttttaggc 240
 ctctcccctt ctccacttac cactgcaagt ccttgagtga gcagaaggaa ggagtaaaat 300
 gaagcattct ttgggtccta 320

<210> 4868
 <211> 511
 <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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<222> (380)..(380)
<223> n is a, c, g, or t

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<222> (387)..(387)
<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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<220>
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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

<400> 4868

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caccatgcca ttgaccggca agcgctgcgt ggacctcatc atcactgaga aggcagtgtt    300
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tgacatcaag gccaccacan cctgttnatt tncngtntcc cccaacctca agcccnatgc    420
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<210> 4869

<211> 400

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

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<223> n is a, c, g, or t

<220>

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<222> (234)..(234)

<223> n is a, c, g, or t

<400> 4869

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cagctcacta cactatcacg ttacactaag agttggaaca ctaacacctg taagaggtta    180
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gatgcatttt atatgcatac cagcaattag cactgtgctt gggcagtgct cacttaactg    300
gtgctatgtg aagactctgc taatacaggt atctagaatg tgaactgagt ggatccaaaa    360
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<210> 4870

<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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<210> 4871
<211> 571
<212> DNA
<213> Mus musculus

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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

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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

<220>
 <221> misc_feature
 <222> (526)..(526)
 <223> n is a, c, g, or t

<400> 4871
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<210> 4872
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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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<220>
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<400> 4872
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agtgatgatg caacgtttga agagtgggtc cccagggggc gacccccgaa ggtcccgggtg 180
cgggaggtct gccagtgac ccaccgtcca gctttgtacc gggaccctgt tacagacata 240
ccctatgcca ctgnctagag ctttcaagat catccgtgag gcgtacaaga agtacatcac 300
tgcccacgga cttccacca ccgcctcggc gctgggcccc gggccccccac ccccgagcc 360
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<210> 4873
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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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 aaggcgaaga agacggaaag tgacccgctc ccagagagct gagcttcaat ttcctgttag 120
 ccgtgtggat cgtttcctac gagagggaaa ctattctaga cgcttgagct cttctgctcc 180
 tgtattcctc gcggggtgtgc nncgagtact taanatctaa catccttgaa ctggctggtg 240
 aggtggccca caccactggc aggaagcgca tagntccaga gcatgtgtnc cgtgtggtac 300

agaacaacga acagntccac caantnttca aacaaggtgg nanatcagtg tttagaccac 360
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<210> 4874
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 4874
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 tcacactttc tcgtgcacat ccgccgccag cacaagattg agtaggggag ggctgtggat 180
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<210> 4875
 <211> 552
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<400> 4875
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ccagggtcct gactcttctg tcacagccca ttctgcactc cacctgaaac atcaggcact      180
aattgaagaa tttattatct ctagaaagag aaacggtaac tttgtcgttt agaatgtaac      240
tctttctgac ctgcccaacc taccatctgt gagctgggaa gaacgcagtt gagtcaccac      300
ttaagagttt actccctaac aantttncac tncatcttn attntntngg aaatntntnt      360
ccaggcagcn ntnggtagag taacagctnt gtggtttcct gtgagttacc ttatagttac      420
tgtgtaagta gtgccactta gtgtatgtca ccagaatgaa gaagatntac cccagactag      480
atgtagcatt ttggtatat ttgtattntn tgatactgat attnttcatt ctcacagcaa      540
gcatactggt tg                                                                552

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<210> 4876
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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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<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
 ctgggtcaca agctcctgct ggactgtggc gctgaggtaa atgcagtgga caatgagggg 240
 aacagtgtcc tccacattat cgtccagtac aacaggncct atcagtgatt ttntngacct 300
 tgcactccat catcatcanc cttgtggagg ctggagctca caccgacatg acaaacaagc 360
 agaataaaan tccgntagac aaaagtacaa ctgggggtgtn tgaaatacta cttaaaantc 420
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<210> 4877
 <211> 524
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 cactggagga ttcacccgaa gagagagagc cactgcagaa gtttccggat gatgtaaatc 180
 cagttaccaa agaaaaaggt ggaccaaggg gcccgagacc tacacgatat ggagactggg 240
 aacggaaggg acgctgcatt gacttttaag tcacgcactc tcacaactgc agaatcatta 300
 cctgaactgt ttacttcaag ttgttttctt tttctgtgtc ctttaagtgt gtaatttcca 360
 tcgtatgtcc taaaatgcat gtgacagctt tgaatagcaa atgctgctat agatgaggaa 420

tgtggaaacg cttccattag catnttaacc tcaccttaag tgtgtcaggg cagagtctgg 480
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<213> Mus musculus

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<223> n is a, c, g, or t

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 aggtggcttt ggtcccgtgg cggatgatgg ctacggggtc tcttacatga tcgcaggaga 180
 aaacaccatg ttcttcaca tctccagcaa atactcaagt tcagagacga acgcccagcg 240
 ctttggaac cacatccgcc aagcactggt 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

<400> 4879

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aatccagcgg aaagtgagaa tgctattagg gcaacagaaa gcaaattgctg aaccgagtgc	120
tgaattggat aaaaagagaa ctgagtatct tcctgcacat gaagacagaa cttgtgggtc	180
accagtacag tctctattgg acctttttca gacaagcgag gagaaatcag aatttttggg	240
ttttacaggc tacactgaaa acagtggaat atgtgatgtt ttagatatatt gggaggaaga	300
aaattcaagt accctgttgt caacgttttt ttcttcccct tcaacttctg cattcgttgg	360
attttagtat taaatgtgct tttcagaagt gacagctata ttctgaagt ttttataaat	420
acatatataa ttagtggtgg gggtttgttt tgttttcgcc aactttttta tggagccat	479

<210> 4880

<211> 546

<212> DNA

<213> Mus musculus

<400> 4880

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gcgaaaccat ggtggagaag ccatacagtg aggctactgc ccagctcatt gatgaagagg	180
tccggtgcct cgtcaggtct gcctataatc ggaccctgga gctgctcaca cagtgccggg	240
agcagggtgga gaagggttggc aggcgtctcc tggagaaaga agtgctggag aaagccgaca	300
tgatagagct cttggggcct cggccctttg cagagaagtc cacctatgag gaatttgtag	360
agggcaccgg cagcctagag gaggacacat cccttcctga ggggctgaaa gactggaata	420
aggggcgggg 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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agctgtatatt tcagagctta ccttatacaa taatgaaaaa tacaactttt atgtaaagtt	180

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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

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<210> 4882
<211> 514
<212> DNA
<213> Mus musculus

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ctgagagaag ccacttggct agtcaggggtg tgcacacatg ggactgctac acattcctgt 120
ccccatgcag tcttagccat caggttgaaa ccagtagtggt agtgtaggct gggtcagacc 180
cacaggctca ttctggccgg gagatgctgt cctgtgatgg agtctataag ccctactgga 240
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gccttttaggt gtttagttct ttttaaataca gaaagtgtc agaggtctat gctgcctctg 360
agaggtatat gccaaaaaga ttataaagga agggccaagc tctgtctttt tgagttctca 420
tggccttggt gggagaagaa acagaagtcc tggagacatt gaaagtgtat taaccagcat 480
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<210> 4883
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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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 agagagaagg agtccaaaaa aggaaaagga aagaattgga agaaatgaaa tcaactgttta 120
 gtaccaataa ctgctgttaa cttaccctct cggccagtcc agctggccta gagcctgaga 180
 gcctcaccct ttgccagagt aacaagtttg gtgtagcaca gcggggtggc ctggtggtcc 240
 cattatanan aggacggtac agctagaagg tctaactagc cagctctcct gcacctctta 300
 tangagggtgg gtaggactgt tccagccctn gcagtgtccc tgcctaactg ttagattgct 360
 gggcttcaaa gtgactgtgt agaatcaaaa ctagaaagta cacaggcatg gagtcagagt 420
 ttagttaacc atagcaagac gggacgcagt gggcatnttt tgtagcttaa gtttntccta 480
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 <223> n is a, c, g, or t

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<222> (471)..(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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 cccactactc acgcaagggc aaagcattca accctcaccc ttcttcctcc gcctggagaa 180
 gattcacaaa cccagtcctt gcaggcgtct ctcagaagaa aggaacacac acttgggagc 240
 ctcagtcact gcccgactat cagtttgaaa agacggagtt gcttcctaag gcaagagtgt 300
 tttcatacca cagtggcaag ccctatgtta agagcgtaca acttcagaag aaaagcacga 360
 aaaaaatgaa taccttcaga agttttat ttttgggaatca ttcccaaagg aaacgcagag 420
 gctttgcaga taagtgtgt gtgataggat gcaccaaaga agagatgncc ntcgctgcn 480
 tcccccttgt tgatttttaa accttaacga ttaatcaaac atcactggtg atagagatgt 540
 acaaaactntc gtaggaacta tgctcgctta ata 573

<210> 4885
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 4885
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 gacctggatg tcttcacacc gcatctcaac agcaacctca accgcctggt gcagcggact 180
 tcagttctat ttggcttggt tacaggcaca gagaatcagt ttgcctcccg gagcagcact 240
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<210> 4886
 <211> 584
 <212> DNA
 <213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> (469)..(469)
 <223> n is a, c, g, or t

<220>
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 <222> (513)..(513)
 <223> n is a, c, g, or t

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 gtgcattgtg ggacagtgcg ggggttctga gaaacctgcc agggaggcga gggctctgaa 180
 aaagcagggg aaggggagag ctccaggatgt cctccccgcg caggcccagt ggcagggagt 240
 gaaggaagtc ctgctccaac agagcgtcat ggcctaccgg nnnnnnnnnn cnnnnnnnnn 300
 nnantttctg atttgtggat tcaactnadc 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

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584

<210> 4887
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 <212> DNA
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 <223> n is a, c, g, or t

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 ccaaagccct gtccctgtcc tccccctgt cctgtccct 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 tatgtttgtaa 420
 agatgctgtt ttcacaataa ccaacaantc cantcaacca taagctacca tttcgaccta 480
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<210> 4888
 <211> 318
 <212> DNA
 <213> Mus musculus

<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

<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 tcgggata 318

<210> 4889
 <211> 426
 <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

<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> (306)..(306)

<223> n is a, c, g, or t

<220>

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<222> (308)..(308)

<223> n is a, c, g, or t

<400> 4889

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gattgttatt tgtaggata gattctatgg ctaaaataat ttgcaactc ttcattatac 180

agttttaagg cctcttttgg tattccatgg natagttcca acaggaaagt naatggtgaa 240

agcantnnna annnntnnn cttactata tgtgctattg aaggggatgg ggacttttgc 300

atacgnncga aaatcagtta tttttaacta tgcagttcct aattgcctag cttttacctt 360

tagaaatatg cttcatggta aatttgataa tcctaaagaa tggccaactt tggcagtagt 420

caacaa 426

<210> 4890

<211> 262

<212> DNA

<213> Mus musculus

<220>

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<223> n is a, c, g, or t

<220>

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<222> (53)..(54)

<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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aaggcccgcg ccaaggccaa gtcgcggtct tcccgggccg ggctacagtt cccggtgggg      180
cgtgtgcacc ggctgtgcg caagggcaac tacgcggagc gtgtgggctg ccggcgcgcc       240
ggtatacatg gcggcggtgc tg                                               262

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<210> 4891
<211> 553
<212> DNA
<213> Mus musculus

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<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<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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 <223> n is a, c, g, or t

<220>
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 <222> (458)..(458)
 <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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 tcaccaggca taagctcctg tgaatacacc ttaaacacgc tgagatacgc agacagagtc 120
 aaggagctaa gccccacag cggacccagt ggagagcagc cggttcagat ggaaacagaa 180
 gtgatggaag ccagctctaa tgggacgtct ctgactggca atgaagagga ggagctgtct 240
 tcccagatgt ccagctttaa tgaagccatg actcagatca gggagctgga agagagggcc 300
 ctggnaagag ctgagagaga tcatacngca aggaccnaac tggcttgagn tntccgagat 360
 gacagatnan ccagantatg acttgagac ctttntgaac aaagcagaat ntgccctgac 420
 acagcaggct aagcaggcga agcanttntc agcccttnga gaantcatca aggccctgcg 480
 cctagccatg caactggaag aacaggctag caaacaata 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 tgtgtctggt aagcttccca tcactctcaa caaatTTTTT 180
cagcccacag aaatggcttc tcaggatttc tttcaacggt 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>
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<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 ctctntttca 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

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 ggggaggagc aggtgaagat ctggaggcgt tcctttgaca cccaccacc 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>
 <221> misc_feature
 <222> (438)..(438)
 <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> 4895

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acatggcttt	gggaagaaga	cagaattttg	aagtgtggtg	taaagaaata	tggagagggg	120
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	gtttttgttt	gtttgtttgt	ttgtttgttt	nnnttttagag	420
gagatttggtg	ctttaaantc	tatntcatca	ttattttctg	aatctttatt	tttgtaaaat	480
atagatatgt	tgaaccctac	caaattc				507

<210> 4896
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 4896	
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tgtgaggggc	cggatttctc
aacagatttc	aattacatgc
	60
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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tgggcaaaga	cgttattgct
cggctttgtg	gaccatgcag
	60
tgtacaagct	gtggttttta
atgataaatt	tcaacttcct
gtttttctgg	acagtcactt
	120
tgtttattca	ttcagtcctg
ttgctggccc	caataagttg
tttataaggt	tgacggaagc
	180
accctttgcc	aagggttaagt
tgctaatagg	tgcatacaga
gtacagctgc	agtgaccaca
	240
aaggatggag	aaccggcctc
ttttcagctg	gattccaagg
accatccctg	tagcagtttg
	300
gaattctggt	gcagctcaaa
tgttcctacc	tagttgtaaa
cttaaaattt	aagcctgctg
	360
cctgttcagg	tttgtctaca
tatatttggtg	ccattgggtcg
aaaacgttca	atgtttctgct
	420
tagtttattt	ccacaat
	437

<210> 4898
 <211> 386

<212> DNA
 <213> Mus musculus

<400> 4898
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 agtacagcca gaccatttct attagggaca gcctcaacct cgagccagag gagatccagc 120
 agcaagcacg tcgagagctt gaactgtgcc atggcaggtc cttggagcat ggggaggacc 180
 acgaagaadc tgagacctcc ttagcatcgt ctacttcaga atcactaata ttcagcctat 240
 ggaagccaca tcgaacctac tggacagagc agcagaacag gctgcctctg cctctgatgg 300
 agctcatgga gactgaagtt ctggatatcc tcaaaaaagc cctcatcaca tataggtcca 360
 cgattggcag gaaccacttc atgact 386

<210> 4899
 <211> 253
 <212> DNA
 <213> Mus musculus

<400> 4899
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 tcccagtgtc cttatttggt 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

<220>
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 <222> (321)..(321)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (363)..(363)
 <223> n is a, c, g, or t

<400> 4900
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 cctattttca taaatgcaga tttataagtt taaaatgatg catttttccc acactatgga 120


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atatgttaaa ccctcctctt tgatgttagt ggggaaggct ttatgtagtg ggtctcactc   180
tagtgtgtaa cagagaagcc acgtctgcag acaagctctg agcagctgct gtcaggagtt   240
ttacaggtgc cttctcagag aaaaattgga tttgaccatt ttttttcctt aaaattttat   300
aattgaatth ctaaaagcct ncctcatttt ataccatttc tataaaatat gccctgcaaa   360
gcnaaacctg ggtacctagc agctgatatt ttacaactaa catgggggat ttgagtctag   420
aaatataaag ggtctatctc ctcacatttt g                                     451

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<210> 4901
<211> 568
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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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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<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> (395)..(395)

<223> n is a, c, g, or t

<220>

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<222> (403)..(403)

<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>

<221> misc_feature

<222> (442)..(442)

<223> n is a, c, g, or t

<220>

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<222> (470)..(470)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (477)..(477)

<223> n is a, c, g, or t

<400> 4901

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gtgcagactg tccttacctg tttccaggac aaactccatg acatcatcat catagaccac 120

agatatcccc gacagatgga tgcagagaca ttgtgcaggt ctatcagatc atcaaaattc 180

tcagaaaaca cagttattgt tggcgtagta cgcagggttg acaaagaaga atcatcttta 240

atgcccttcc ttgctgctgg cttcacacgg aggttnnatag agaaccctaa 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 gttagcacia gtgcccataa atgaaaagaa aggtgatttg 540

ctcgatgcc aataattcgtg tgtcacag 568

<210> 4902

<211> 520

<212> DNA

<213> Mus musculus

<220>

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<222> (292)..(292)

<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> (311)..(311)

<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> (382)..(382)

<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> (426)..(426)

<223> n is a, c, g, or t

<220>

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<222> (441)..(441)

<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> 4902

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aagtaacagc ctttatgtga acggtttgca aagtcacaga acagaacagc acttggtgcc 120

ttggagctca acatggggta gggggggttag cactactcca gtgggatatg tgtctgccct 180

ggtttggttct atggagacca gctgtcggag gacatgactt ttcctgacat tgtagcattg 240

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tagccgatga gtagcactgt ggctgctgtg cccgtgactc ccagtgcctt tngtctgcna      300
gaggttacct nactgttctt tnaccgtggc tttgttcttg accttcattc cctcctggat      360
tcctgtggct gtgctaccac antnttcatt ccagtgggtg acagctgcta caccaagaga      420
cttttncgga acctctgaga nccagagggg tttgggcaat gttgctttgt gtttctgtat      480
ctgtccnaac actaaggatg gccattgcag acagctctag                               520

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<210> 4903
<211> 486
<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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<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

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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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>

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<222> (404)..(404)

<223> n is a, c, g, or t

<400> 4903

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ttcccagggga 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 gctcgggtgcn tccntcagcg ctgtgagcct    420
gtgtgggact ggctactgta ttgtatgtgt ggccacatt cttattttac atgtgctcca    480
tcaaag                                           486

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<210> 4904

<211> 472

<212> DNA

<213> Mus musculus

<400> 4904

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tcttgcaggg acatgagaac actctgttag cacaagccct ggggaccctg tggctcatac    180
tagcaatagt cacagtgtca cccaacaag cagaaaccag gcatggtgac catgctccaa    240
ggaaggctcc acacttgccc ttaaaattct ggatctgcaa aaaggcaggg tggccccacc    300
ctgaccccg c tgaggggtaca gagccacgag gatgagcaga gtgggtcctg caattagggc    360
gcaggcacca atgcatgggg cttgcatgat cactccaagt tgacatttta aatcttgccg    420
tacttcagta attcacttat ttccaatatt tgtcgtcagc tttgttaatg gc           472

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<210> 4905

<211> 527

<212> DNA

<213> Mus musculus

<220>

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 gaacatgcaa gagatcagga gaggggtggca gaggccatcc aggccgctgt gcaggagcag 180
 cagaggatga gtcaggaagc tgtcaaggcc gcaatcgtag aggagcagag gagaagtga 240
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 cagagaaggc tcgatcaagt caccgcccag cgtagcctnt ccagcctgga gctgttcct 360
 ctctgcgcc cagaagcagc tgagtgcctnt aatagctaca gagcctgttg acattgagta 420
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 atgatacaaa gatggacact ggagaagttt ctgatattgg gagtcaaggt gcccctatag 180
 tgctatcaga tagtgaagaa gaagaaatga ttatttttga gccagagaag aacccaaaga 240
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 agaagaagaa gagaactgct aactaagcta aagtgggtgna tctctgtgtg tgnntnnnnn 360
 nnnnnnnnng tgtgtataca tactcagtcg taacagctct gggatatcta caagctgaac 420
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ctgatgagga ggagtgttgt atctgcatgg acgggcgagc tgacctcatc ctgccctgtg 240
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ccatgacttg gggaagactt tctgttggtt ttntgaacta caaatacact gttntcgtag 480
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 gattctttga ataatactct gtcagttggc ctcattcaa 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 ctcagggggc 420
 agaggaagat gggaantcnt ntntccacc agcaccggaa aacagtgtgt gtgtgctgag 480
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 cagaatatcc tctaaaggta acagatgtga caaaagtaag gactttgaat gcaattgcaa 180
 aggacgtcct agtttagtta aacttgctcg agagacatgg gcatcaacag tgtgaaggga 240
 gaagttggac tgacaatacc tgacgaannt ctnaccnttc nacatgngcc atagatgttt 300
 gtaagaagaa aaagacattg gaacagcaat gcaattactt tntttagtan tcattggtn 360
 ctntcatcat ggataaattt agtctgtact tcttacaaga agagaggcgt antcattntc 420
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 ctgtttctgg tttccattcc tttcctaata tncagactga acagctcttc tccanacatc 120
 gcactgtaga cagccacaag cagacagcca ccgcctctca ccagggacta gaaagtcacc 180
 agggactaga aagcagagag ctggattctg cggaagaaaa gcttcctttc ccaccagaca 240
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<210> 4911
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 aggacctgcg tagaaagatg atgaacttga agcttgcaca taccgggctg gagtccagaa 180
 cctaccgggtc caatgtggag ctctgccggg accagacaca gtatggcctc attgatgaag 240
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 ctttggatgc cctgttcaag cacctggccc ggatacaggc tgatatcgcg tgcaagacca 360
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 tgccaaccag cgtaataatg tggtagcggg ggcattctggg cgtctgacag ggccttcctc 180
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 agccaattct ggctggggga atggcatgcg aggtgatgtt agcggattca gcntntgaca 420
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 acgcagagtg gtggatcaag tgctcaatcg aaggctgggt ctgcactggg ccaggagagg 180
 agcacatgtg tgctggctag agctcagtgc tgtgctgggc taggttgagc aagtctcctc 240
 cagtcgagag ctatgatgga gcaagcaca aataggccaa gagcnnntn ggaggatggg 300
 aggaccatca ggaagggatga tgacagagcn tgctaggggg ttattttattg gggtaacaaa 360
 taagtcacac ctctacgtgt cagtaaatac ttncacaat gtttttaaca gtaattcaga 420
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<210> 4914
 <211> 517
 <212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acagcaacct ccaacatgtc aggaacccgc cactgcccga catgtgtggc cctgggctcc 120

tgttccagtg cccctctat gccctgtgcc aatggcaciaa 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 ggggtgctgga gctactgttt ccgttactgc tgntccccct caccacttc 420

ccttgaagag gacactgggg gtcaggggag gccttgntcc tagacactgg actttgccta 480
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 <212> DNA
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 <223> n is a, c, g, or t

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 gtctatgatc tgatgtgagg aacctgaaga caatggaaga ttacaatgtc tgaggattgt 240
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 caacaggaaa ctggtaagag gattaggtca ttattaggac cagagaagag ggactgatag 360
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<212> DNA
<213> Mus musculus

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<210> 4917
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 4917
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 aaatagcaaa gatttacaga atgcaactga atgcagcttc actgttaaata ttcacctgag 120
 ggctcctcat tattcttctg gaaccagaa 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
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 gtcaagggttg ggctgccaag tttgtctgac caaggctatg gacaatatga ctgtgcgtgt 420
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<210> 4919
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<212> DNA
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 ctcaagctgg tgaccgcgct gtgcgcctcg ggccacagag cgganntgct gcgtttcccc 180
 gaaagatcaa cggaaatcgg caagcttctg aattcctact tggaaaagaa aacggaacta 240
 gaggatcact ccgtgcacct gct 263

<210> 4920
 <211> 500
 <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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 <212> DNA
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 <222> (321)..(321)
 <223> n is a, c, g, or t

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 aaaaccagat gcacatagca gagcagcgga ggagaaccct gctaaaggat tttcacgaca 180
 cctaaactgg gctgtggctg tgccgggggtg aggaagatgt agctgtgagg ccgcccggct 240
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 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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 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 aaaaaaaaaag aactaaata aacatttgct ttgatctgta 120
 taaaatgtaa attagtttga cactgcattt ttgatgggtg tgctaatttc tgcccatggc 180
 agttttaaac attagaatct gaatcctgga cagattcaaa ccttgacaca ctgtgggatt 240

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ttttttttgc tttttgtcct gttttttctt tcttatgac ttgacccacc ccctaccccc 300
cccacccttc attgtgacat ttggt 325

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<210> 4924
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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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tctgtacaga caagtagcat tctaattaat taiaaaaaaan aaanaaantc ttincaagtta 180
ggataaatag aactaaatit atgtaacaga aactaagat ttttaatgcc tatggacaaa 240
acatgccttt tgagatgata atttaaaacc aaagcctaag agttgttttt gtgtgttttg 300
agagagaagc aagttcaagt gttaagaacg tctctgtgag tttttcatca ctaagtaaag 360
caactcttaa aaagtgtttt gccttctgag tctgtctaca cttaccactt cctataatat 420
tgcagagcca gttaaccatg aataatctgt cagtctta 458

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<210> 4925
<211> 312

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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> (287)..(287)
<223> n is a, c, g, or t

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attgaaatcc agttcgcaca gggggatcgg aagacaccaa atcaaagaa agccaaggaa 120
gggaggaatg tatacagctc ttcacgatat gacgattatg accgatatag acgctctcga 180
agccggagtt atgaaaggag angatcgan gantcgcntc ctttgattat aactatagga 240
gatcttacag tcctagaaac agtagaccga ctggaagnac cacggcngta gccgaagcca 300
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<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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 cgctgtgatc cagagagcga tgtcgaagca caacctggag tcggaccccg ccgaggagta 180
 tgagctggtg caggtcatct cggaggacaa agaactagt atcccgact ctgcaaact 240
 cttttacgcc atgaatagcc aagtgaactt tgatttcatt ttacgcaaaa agaactcgg 300
 ggaggagcag gtgaagttgc gcagtcggac cagcctgact ttgccagga cagctaagcg 360
 gggctngctg gagtaacagg cacagcaaga tcaccctctg aaaggacag tacactccta 420
 ctgccaagg cagagtgagg ctgancaaaa nccatggcga cnccaaccac caccagtgt 480
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<210> 4927
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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> (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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 <223> n is a, c, g, or t

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 ccattgccat tgtgtgttcc ccaaagcata aagacaccgg cattttcagg ctcaccaacg 180
 ctggcatgct tgaggtttct acttgtaaaa agaagggtt ccacctcac accaaggacc 240
 ccaagctgtt cagtatatgc agccatgtgt tagtaaagga cataaaaaca actgtnttgg 300
 atctgaggtg acatncccta actgtaagac catctgtgga cgtgtgtgac tnccgaattt 360
 cttatgatgt tttcagaagt gactgatatt ttatatttat atattttaga ccnaaacttt 420
 gatatttatt gttcttgac attttgaagt ttcctttttt ttttttttn ngggttgctg 480
 cgtctcaaac gaggcca 497

<210> 4928
 <211> 468
 <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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 <221> misc_feature
 <222> (389)..(389)
 <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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 acagctatga caatggagag tgttggaacg gtcttttgaa gtctaagtgg atcttccagg 180
 taaaccggtt tctaacccaa gtcacaggga gaatttttgt gcaagctcac ttcttttaggt 240
 gtgtcaacct tcatattgaa gtctccaagg acctaaagga gagcttggag gtggtcaatc 300
 aagcccagtt ggctctcagt tttncaaggc ttgtggaaga acaagagaat aagtttcaag 360
 ctgctntcat agaagaacta caggagtntt ctaacgaagc cctgagaaaa atattacgga 420
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<210> 4929
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 <212> DNA
 <213> Mus musculus

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 <222> (36)..(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

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 <223> n is a, c, g, or t

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 agaacgcctt gttgcagggc ttcaacctga agctgaccga ctttggcttt gc 172

<210> 4930
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (231)..(231)
 <223> n is a, c, g, or t

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 gtcagcatca cggaatatga tgttataaaa gacgatgtgt tatgtgccgg agatctcacc 120
 aatcagaaat cctcctgccg aggagactct gggggccccc tgggtctgctt cctgaatagc 180
 ttctggtacg tggtagggct ggccaactgg aatggagcat gtcttgaacc natccacagc 240
 cccaacatct tcaccaaggt ctctactttt 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

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<223> n is a, c, g, or t

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tttcagatgg cctattcaaa tctactgaga gccaacatgg acgggctgaa gaagagggac	180
aagaagaaca agagtaagaa gagcaaacca gcacagtgc aggcgtggct gctaccaacc	240
agctgcacaa gtgcattttt cctctgtttg ctgctttcag cacctctgta tgtaactgtt	300
tccnacggaa gggtccttta agagagaagg actgggatgg gcatngggct agttgtggta	360
agacgccagt ttttgatttg tgctgtgtgg ctggatattc ttagattcca gccgtaagggt	420

<210> 4933

<211> 560

<212> DNA

<213> Mus musculus

<400> 4933

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cccgacact ggactttggc ctcaatgtta agcttttctg ggagaagttt gtcccaacag	120
actgtcccc agccttcttc cccctggctg ctatctgctg caaactagag cctgaaagca	180
gaccggcatt ctcaaagctg gaggactcgt tcgaggcgct ctccctgttc ttgggggagc	240
tggccatccc actgccagca gagctggaag acctggacca cactgtgagc atggagtatg	300
gcctaaccg ggactcgcca ccttagccct 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

<211> 419

<212> DNA

<213> Mus musculus

<400> 4934

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taagcgacct tctaggattc aacataagac tgtggaaaat taagtcctga gctgagatgt	120
gtgcctggac tctgctggct ggtgtcactg ctccccact gaggacaaag atggcccaca	180

gaaaccagtg gccccacctg caggctcaca tgcatcagtc tctccactca gccccgtcta	240
acgaatggag cttcggcacc tcctttcccc ggggcctgtg ttaaaaacct gcactttcat	300
ggtttctcaag caacgtgaat agtcagcaaa ctaaagcctg cctcaciaag actcggacta	360
ttcctgagtc aggacattta tcctggagcc tccagtactg tgctagttat acttactgt	419

<210> 4935
<211> 454
<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

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<222> (299)..(299)
<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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<223> n is a, c, g, or t

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<223> 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

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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> (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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 ccaggcctca actcaaacc 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

<210> 4936
 <211> 464
 <212> DNA
 <213> Mus musculus

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 <222> (264)..(264)
 <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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<221> misc_feature

<222> (339)..(340)

<223> n is a, c, g, or t

<400> 4936

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agagagagga gcagccttct ggtgggcagg agagcagcca ccccaccagc agccccgcac	180
acctgctgcc ccgagactgt gctctcgacc tgttcatccc cttccctgga gggagcaagc	240
gccctctgga cagacagaac catntgaggc tcacattggg ttttgagaca agaaggggac	300
gtgtggggttt ctcttcctta cactatttng gctgcacann tctttaaccc aggagcccag	360
gggtagacaa aggaggactg aggtaatcaa ttgacacctt taaaatTTTT ttcttttatt	420
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<210> 4937

<211> 536

<212> DNA

<213> Mus musculus

<400> 4937

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agacgaggcc aggatctgat catgaaaatg aaaattcagc tctctgaagc tctttgtggc	120
ttcaagaaga caataaaaaac gctggatgat cgagtccttg tcatttcac tcagtcaggt	180
gaggtgataa agcatgggga cctgaagtgt atccgcaacg aggggatgcc catctacaaa	240
gccccctgg agaaggggggt 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
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<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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<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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<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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<221> misc_feature

<222> (419)..(419)

<223> n is a, c, g, or t

<400> 4938

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cttcttacct gttcatcaac cagccctctc attgctgctg caagtctggc tctttgcctc 180

tgctgtgcca ggcctccatg gtgtctgcat agagccacga cagaggcatt cctcagctgt 240

acctctgact ttcttggtc aggttcagtc agttgctctt cctccttggc aaanccatct 300

aggnttccag gtgggtntca tgcataccac atgtgcacag anccagctgc agaggncacc 360

acaagggcac ctttaaccagc tcctgatctc aagaacacta aaaggctanc cgttgtctnt 420

ctagagtgaat tacttcacag atctcattta gggagagcct ggtctatgga ctaagctga 479

<210> 4939

<211> 560

<212> DNA

<213> Mus musculus

<220>

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 <222> (210)..(210)
 <223> n is a, c, g, or t

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 ccagcgtgca gcccatcgtc aagctggtct ccactgctac cactgcaccc ccaagcacag 180
 cccctgctgg ttctggcagt gttcagaaan tacattgtgg tctctcttcc cccaacaggg 240
 gaaggcaaag gaggccctcc ttctcatcct tctccagtcc ccccttcac tctttcacca 300
 tccccacttg ggggaagtac cctctgtggg ggggaagcagg aagctgggga cagccccct 360
 ccagctccag ggactccaaa ggctaattggc tcgcagccta ctggacctgg ctctccccag 420
 cctgctctgt gatgtgtcac atgtgctgac ctctctcttt gtgcagattc ctacacactc 480
 aaacaacctg tgaggaggga aggaggaaag gttttcccca gtgactttct ttttagatat 540
 tgtacagtaa gttcctcaga 560

<210> 4940
 <211> 319
 <212> DNA
 <213> Mus musculus

<400> 4940
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 gggaggtgga agaaattgcc tagaccagga atgaactagc taggaccagg tggctgtgca 180
 ctgtcctgga aacctaggga ggtactgggt tttaaagtgt 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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 <222> (64)..(64)
 <223> n is a, c, g, or t

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<221> misc_feature
 <222> (76)..(76)
 <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> (295)..(295)
 <223> n is a, c, g, or t

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 <222> (301)..(301)
 <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> (314)..(314)
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<220>
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 <222> (316)..(318)
 <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> (330)..(330)
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<220>
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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 taattgggtca 180
 cagcctttga gagctgaggt caccgcta tgaactaagt ttactgttcc ttctcgggac 240

acaagaaacc aaatggagct gattgcttcc agggagtctg cgaatangta actgntaaga 300
 ngtaaccnaa attnannnaa nntatTTTTTn tTnttgatt 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 tggatgaaccg gaagagaaga gtaaggaaga cagagaaact 240
 ctagaaggtc aagaggaagt gagcaaggct gagtaaactt ggatcagagg atgagatgaa 300
 ggacgctgat gagagcccag gatctgg 327

<210> 4943
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> 4943
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 agccagaaga tgtgcaagaa gaaaagaagc caggtgaagc tgaggtcgtc accntggaaa 120
 aggaagtaat tggatgaaccg gaagagaaga gtaaggaaga cagagaaact ctagaaggtc 180
 aagaggaagt gagcaagctg agtaaactctg gatcagagga tgagatgaag gacgctgatg 240
 agagcccagg atctggagac gcccactga agtcattgagc gaagaggagg gtacggaagg 300
 attgaagcgt caaggggtcgc aaatcccngn nngagagaga gagagatcgg gcatctagag 360
 tcagggtntc cagnnngaca gtganctgagc catntgcaca aantctttct aagtatntag 420
 cnatgttant ctttcagaca cttcttttcta tctt 454

<210> 4944

<211> 341
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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> (262)..(262)
 <223> n is a, c, g, or t

<400> 4944
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 aatgaagagg acaaagaaaa tcaaggagat gagaccaag gtcagcagcc acctcaacgt 180
 cggtatcgcc gaaaacttca attaccgacg cagacgcca gagaacccta aaccacaaag 240
 atggcaaaga gacaaaagca gnccgatcca ccagctgaga attcgtccgc tcccagggt 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 tgggtgttcac 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

<400> 4946
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 tgaagaatag gttcttttcta gaatattctt ccaattttat ncccttttaa 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 ttcttttagaa 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

<220>
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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

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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

<220>
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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

<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> (460)..(460)
 <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>
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 <222> (505)..(505)
 <223> n is a, c, g, or t

<400> 4947
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 gacgaccctt tgggtgcacga 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 ctcggnctg ctccangcgg cntcctntg gaaccacnt 360
 ccctttgacg gctgtttcag gtctcccagt gacctggatc tgacctcata ccatcagtgg 420
 ggggttacct atcatgcaac ctntntcaag taggcggnntn tccctgggag ntccaggcta 480
 tttttgtgct tagttacggg tttntccat tgcacgtta gccatggtga ca 532

<210> 4948
 <211> 441
 <212> DNA
 <213> Mus musculus

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<400> 4948
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tttcactgtg agcttgccaa ggacacctct aaactcccc atgtcagcag atgaagttac      120
cactttatit cgccaccctg caggtaactg aaactcaatt accgctgctc ctcacgcggt      180
tccagcccc tgagttitaga cagctccgaa gcctctcaga actcccgctc gctctctttg      240
ctctacccca ggggtgagcc cactggagcc tgcgaccagc cctgcttgcc accgctcact      300
tatctgagcc tttcagctct ccctggaaga ccttcgggga ggggctcctg agcccccatg      360
ctgaggcctc taatgaggag ctggcctgaa gcctccctgc acctcggggg tcatttgaat      420
acagcctctg ttgaagatgc a                                              441

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<210> 4949
<211> 470
<212> DNA
<213> Mus musculus

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<220>
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<222> (239)..(239)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<222> (353)..(353)
 <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> (420)..(420)
 <223> n is a, c, g, or t

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 cagtgtcagc cctcactcag acaggccaag cctgggctcg aagacaacat tgtccaggga 120
 agccttttagt ttgctatagc acccagaggt tggcgaggaa taagggttag ggtcctcaaa 180
 tacacccatg gcttttggag tctatgacca aggccaggct gagacctgaa atgtaaaanc 240
 catagaatta aacagaacag actganaaac gantcttaag ttccactttc tggatttntc 300
 tggaantcctt ttgaatttgt ctgtagaagt tgctgttcct agcantcctt ttntcttttag 360
 gtagaacaga tacttgacca taatgccaga atgtactttt 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 gtgaagggtca agattcttcg tcatccaaga 240
 cttttga 247

<210> 4951
 <211> 388
 <212> DNA
 <213> Mus musculus

<220>
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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

<220>
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 <222> (254)..(254)
 <223> n is a, c, g, or t

<220>
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 <222> (257)..(258)
 <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> (334)..(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

<400> 4951
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 cctcatatta gcttagtgcc caccgcatat cctctgcaga taaacttgga ccataaatca 120
 ctcagtttga attgggcaca aggggacaat tctttggaga ttgtggatgg cctaaatggg 180
 aagattactg aaagtctctc 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
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 <212> DNA
 <213> Mus musculus

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 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
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 <222> (216)..(216)
 <223> n is a, c, g, or t

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 gattactacg attatgggca tggactcagc gaggacgctt atgactccta tgggcaagag 120
 gaatggacta actcaagaca taaggctcnc tcggcgagga cggcgaaggg cgtctacaga 180
 gaccagccat atggcagata ctgattgtac tgtctngatg ttgtgaaata gccaatctcc 240
 accgtcctgt atactgttca aa 262

<210> 4953
 <211> 428
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(49)
 <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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 <223> n is a, c, g, or t

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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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 <223> n is a, c, g, or t

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 ctgcctgccca ggtcaagccc agtcccagga gaccccaggc cttggctcct aggctgttcc 120
 atgaacctcc ctgacctgcc tgggtgattgc ccagctgaaa cctcagccaa gccccagctc 180
 caattacctt gtgctggtag ctgcttgtgt ctgcagtctg agtaggcctt gttgcgggttc 240
 ctccatctgc ctgggtctatt ggtgttctga gaccaattcc actgatgttc tgacagatcc 300
 tccacctgtg gccctgccca gccccacaa gtttattttt gcacaaaagc catgacccat 360
 actcatttgg ctggcatagg gtgtntagnt agncctggg 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

<220>
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 <222> (326)..(326)
 <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> 4954
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ggcgtcaagg agtgtgcatc aggactgaga atttggccaa ntatgttgca gaactgagcc 120
ttctggaagc tgaccnnttc 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>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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tggcagattt tgggtgctatg ggctgtgtag atattatgcc tttagatggt gcttttagaaa 120
acctaaatTTT aaaagagagt aataaaggaa atgagcctcc accacctcct cttt gatgac 180
ctccccactc gaagacaatg tcctctgtgc tgtatttgcc aatgaaagtg gacaacagct 240
atcctggggtt 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 ttccaaaac atcgataatg ctgggccttg gtgagacaga 120
cgagcaagtc tatgccacac tgaaagctct ccgtgcggcc gacgtggact gtttaactct 180

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agggcagtac atgcagccaa cgaagcgcca ccttaagggt gaagaatatg ttactcctga 240
gaagttcaaa tactgggaaa aagtagggaa tgaacttgga tttctctata cggcaagtgg 300
tcctttggtg cgatcttcat ataaagcagg tgaatttttc ctgaaaaatc tagtggttag 360
aagaaaaaca aaagcttcta aagtgtagcc aagcccttca agatcacagg agtggtgcga 420
ttttgcttcc agttggtgtg aggatggtgt caccctgtca ggattcctgt gagtgcgaagg 480
cagcaccgtt ctgaagggtc tgatggctga tcgaagcgga at 522

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<210> 4957
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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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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tttgaccttt aaccttcact tatccaagaa agaaagagaa gccagagaca gcctcactct 180
gcctttccag ttcagctctg aaaaacagaa agctctgctg catccggtac ccagccggac 240
cactggccac atcttttatg agccagatgc ttttgatgat gtggaccag aagaccaga 300
tgatgaccta gatatttgac agacaaatgg cagaggaagg ctgtgggctc agaaccaccc 360
tgctgttggc agactctacc ttgtcccttg tcctttgtta ctttgtctgc agaagctgtg 420
tcgtgagcca a 431

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<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 agaaggggtgt gaaggctgaa 360
 caatcatgga tttttctgat caattgtgct ttaggaaatt attgacagtt ttgcacaggt 420
 tcttgaaaac gttatttata atgaaatcaa ctaaaactat ttttgctata agttctataa 480
 ggtgcataaa acccttaaatt tcattctagt agctgttccc ct 522

<210> 4959
 <211> 483
 <212> DNA
 <213> Mus musculus

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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>
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 <222> (454)..(454)
 <223> n is a, c, g, or t

<400> 4959
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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

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gtaatactat tctacttctt cgtacatttt gtagtaatat gtttaatat atcaaatatt 360
ggcagccaga tatgtgagca gttctgaacg aattcatatc cttttaccac ttgaatatat 420
tgcagtgtgt ggtgggntcc taaantcatt cgtntccttt ctgtacagca tgttccattc 480
cat 483

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<210> 4960
<211> 551
<212> DNA
<213> Mus musculus

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<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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ccgcctcctt cacccccacc tcagcagcct aaggaccctt cgtactccta caaccatcg 120
ggtcaaggcc tgagccggca cagctttccc tgcagcgtcc atcagtatga atctccggga 180
gcagtgaaca atgacaactc agaccttttg gattctcaag tccagtatag tgctgagcct 240
cagttatatg gtaatgccag cagcgagcat ccagcaacc aagttccgag taataatctc 300
ccagaagagt gtttctcttc agatgaggnc actcctccaa gntattaaaa agatcataca 360
tntgctggag aaggtgcagt ttcttganca agaagtagaa gagttingtag gaaaaaagac 420
agacaaagcg tattggcttc tggaagaaat gctgacaaag gaacttttag aactggattc 480

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tgttgaaact gggggccagg actctgtccg tcaggccagg aaagaagctg tttgtaagat 540
ccaggccata c 551

<210> 4961
<211> 406
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<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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<223> n is a, c, g, or t

<400> 4961
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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 tcttgtatct ttctccttca aagacctctg aaaggtagat cagttaaaaa 300
caaaaatagt gttcatacac ataggctact gaccagtgtg 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 cttgcccag gccttcctg 120
 agcagcaggc cttcctgacc cagcctcaaa ccagcacagt gcctcctacc tcacctggcc 180
 tccctttctt accctgcacaa gtcacctctg tccccttagc ccaggatcag gaaactcagc 240
 agtccgttga ctacagaggac agcttcgtcc caggccggag ggcctcgctg tctgacctga 300
 cccacctgga ggacattgaa ggcctgaccg tacggcagct gaaggagatc ctggctcgta 360
 actttgtcaa ctataagggc tgctgcgaga agtgggagct gatggagagg gtgactcggc 420
 tgtacaagga tcagaaagga ctccagcacc tgggtgtctgg taatgaag 468

<210> 4963
 <211> 248
 <212> DNA
 <213> Mus musculus

<400> 4963
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 acttcatgtt gtcaagctgg tgggcaaaga ccctgttcat catcattggc ctcttgaccg 120
 gctgctatct ttgttgctgc ctttgctgct gctgcaactg ttgtttgtgga cattgtcggc 180
 ccaaatcatc gacaccagaa gaggagtctt atgtgtcacc agaggacctt gaggagcaga 240
 tcagaact 248

<210> 4964
 <211> 544
 <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> (425)..(425)
 <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> (454)..(454)
 <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> (502)..(502)
 <223> n is a, c, g, or t

<400> 4964
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 attgagctcg tcagatcgaa tgcattgctt cagcctcaag cttgtcctcc tcggcaaaat 120
 ctatgctggg acgcctcggt ttttcctctt ggattttatc gtgcagttct tggagcagca 180
 agtttgtacc ttaaactggg atgtgggggt tgtgatacag accatgaatg aaatcggcgt 240
 gcctttacct aggctgctag aagtttatga tcagctcttc aaatcacggg atccattctg 300
 gaacagagtg aaaagccac tgcaccttct ggattgtatc catgtactgt tgacaagata 360
 tgttgagaat cctagcctag ttttaaattg tgagaggaga aggtttacaa atctctgcct 420
 ggatnccntc tgtggatatc tgggtggaact tcantcaatg agttcttcag tagcagtaca 480
 anccatcact gggaatttta antcgctcca agcaaagctg gaacggctcc attgattact 540
 gtag 544

<210> 4965
 <211> 488
 <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> (306)..(306)
 <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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<400> 4965
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ttgaagaatt aaagtttgat cgactctcag tgtttcggcc aggagtccta ctgtgtgaca      120

ggcaagagtc tcgtccaggc gaatggctgg ctaggaaatt cttcggctct ctgccagact      180

cttggggccag tgggtacgct gtgcctgtgg tgacggtggt tagagcgatg ctgaacaagc      240

ctggtgagtc ccagcagncg gacaaatgga acttctggaa aataaggcca tcctccacct      300

gggganaaga cagggatgtg cccaaactgt gaccatgctg gaggacattc gtgaaaacct      360

cagtgcctgt caccaaata gtcatttggg ggctctataa aaagtctctt tgtggncctt      420

tgtggtgtgc ttctccttag ccaagcggct ccatcagaaa atggcactac tccacgtcag      480

ttgttgag                                         488

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<210> 4966
<211> 503
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (469)..(469)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (471)..(471)
 <223> n is a, c, g, or t

<400> 4966
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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 ctgggtcatcg acacggtgac 300
 tgaggtcaca gcccggatgg agatgcttat cgaagagctg tatgccttca tgccagccaa 360
 gaacaacaaa gatcccaaaa agcccagcag ggtntngagn ccttggcagc agacatagac 420
 accaagacca gaccagagag aacntcaac cttcctttnt nttccttant ntgcccagaa 480
 gcacgtgccc gtgggacaac gga 503

<210> 4967
 <211> 285
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (191)..(191)
 <223> n is a, c, g, or t

<400> 4967
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 ttccaaaaag ttggcggccc ttatgcagaa caagctgacg tccccgctgc aggagaattc 120
 caccctgagt gaagaggagg aaaaaaagtg aagagcgagc aagaaaaagc agaggagaga 180
 cgccggcgcc nacgtttact ccgacttatg gtctgaggcg taccctctg 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
 ccaaattcatc 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>
 <221> misc_feature
 <222> (442)..(442)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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 tccctcacia cctaccatit caccaccacc taagcctaca 240
 atgaccagag tggttttctt gacacatctg gtaaaccatc catctagacc ttcaggaaat 300
 acagcaacga acatacccaa tcctatacta ggagtctaga agacagtctc agctgataag 360

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aagaaagaaa caagaaaccc aacagaaggg aagaaccaga tagatgantic ccgcttagac 420
accactcaga cagcagcttn tntgttggcc tntcaggaaa cacctgggaa cagataagcc 480
cggtatccct gtttttccta gagatcctat tccttttatt gagag 525

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<210> 4970
<211> 456
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

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<400> 4970
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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

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<210> 4971
<211> 531
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (287)..(288)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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> (381)..(381)
 <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> (419)..(419)
 <223> n is a, c, g, or t

<400> 4971
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 ctcagacaaa tgtggtggtt ccttggttaa aggctttcaa tgattagaca ctctaatta 120
 tcagccacaa agaaattgat aagcgtatgt gtacagtga ttcagaactg tgaatcatat 180
 tgaaaattcc taaaattata aatgctaaac ttttaagagg ctcatctctt tgggttaaattg 240
 aatacacttg aattgggtga attaaaattg atnattctca ctttaggnat aatnatatat 300
 aattntacta tagaaatntt atatatnata tatatatntg accttaactc aagttgatga 360
 tnatagctat ttatactggt natatacata atgatctgtg ctgaacaata atntcatntt 420
 gattattggt tattaacatt tgtaactgta actgtatgtt cattctgtta ctataaaata 480
 ataagtataa tatagaagaa tattctcacc atggcctgta tgttggttatt a 531

<210> 4972
 <211> 174
 <212> DNA
 <213> Mus musculus

<400> 4972
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 tggccaaaac cttgaacctg aagagcgaag aacttcaagc ctttctgtg tggcatccag 120
 ttaaataccta gtacactgcc aggttcctcg aaacccttg agtttgtatt gact 174

<210> 4973

<211> 445
 <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> (399)..(399)
 <223> n is a, c, g, or t

<400> 4973
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 tcggctactg agaagcacag atgccgcagg gaagaagttt aaaagaaaaa tcctaggagg 120
 ggacacatga taatgaaggg gtcagctgag gatctaaaac cataacggaa aggcagtaat 180
 agacagctac agaaaggcac actgtcttaa tcaccagtca gtcagagtga taggaaaatg 240
 tccaaagcac aagagtgaag tattttctta ttcagaaatg ttatcctaag gattggtaat 300
 tatagtcagt tcataatctt ttagagcatt ttcttacatt agcttaacaa gatntccatt 360
 tcaggaatgt gtatggagag atgggatggc ttagtaatnc ctgctgttcc agaggaccct 420
 ggttcaatta ctaggacca cttgg 445

<210> 4974
 <211> 529
 <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> (493)..(493)
 <223> n is a, c, g, or t

<400> 4974
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 cccggatgag aacgaccaag tcattgttaa gatcatcgga catttctatg ccagccagat 120
 ggctcagcgg aagatccgag acatcctggc tcaagttaag caacagcacc agaagggaca 180
 gagcaacctg gccagggctc ggaggaagtg accccgcccc ctctgttccc attggctcca 240


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agatcagcag gaggaacaca gaactggagg ggcgggtgga gggccggtgt gctcttccca 300
gcaggcctga gaatgagtgg gaatcagggc atttgggcct ggctggagat caggtttgca 360
cactgtcttg agaacaatgt tccagtgagg aatcctgata tctcgcccc aattgagcca 420
gctggccaca gcccaccct tggaatatca ccattgcaat catagcttgg gttgctttta 480
aacgtggatt gtncttgaag ttctccagcc tccatggaag gatgggtca 529

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<210> 4975
<211> 311
<212> DNA
<213> Mus musculus

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<400> 4975
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gcaagaaagg gtccccgaag gagtctaaag gaaatgtatc ccgaacctcc cgaacctccg 120
aacctaaagg cttttaacac ctgggtccaga agctgattga actgaatgga aaacctgcat 180
gttgtcagaa aactgtcag tgaccgacaa cagtgtttc tgttggttg gcattgtgtc 240
taacaagcat ctgtcctgga gagtcacctt cctctagggc cgccaaggcg aactacacac 300
agcttgacac t 311

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<210> 4976
<211> 425
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

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<400> 4976
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cacgtctttt gcctctcadc attggcagca gcatcgagg cctcctgggc ttggttgtga 180
ttatagccat ttgtttcaag tgtggctttt tcaaaagaaa atatcaacaa ctgaacttgg 240
agagcacaag gagggcccag ctgaaggctg acagtctgct ccaagattag cccctgctt 300

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cctcaccgga aggagggagt ttgagccagt cggaagccgg gatgccccct atcgggggccc 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
 taaattatatt tcaacctaaa cataatgcgt tcagaactat taattgatct aaatattaaa 180
 acttgagacc ctcacgttta tgtggctaaa gctaagtcta ttttgagaaa tagctgtttt 240
 tgcataatgtt cagaggatta agaactgcat gtttgagagg ttttaccaca ttgtagaaag 300
 tataatctgt aatggttatt tgctgttacg taagaaacac tacatagata aagaaaattt 360
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<210> 4978
 <211> 420
 <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> (110)..(111)
 <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> (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

<220>
 <221> misc_feature
 <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 ctagcnatch ncnggatggt 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 ctgggttagca gtggtcaaga 420

<210> 4979
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 4979
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 tccgcgagtt ctttggggga ctggaccctt tttcctttga attctgggac actccgttca 180
 gcggccgagg ccggcccat ggtttacaca gagtcttccc ttcgggcttt ggtgagttcc 240
 cagccttcat ggaagccttg tcatctttca atactctggg ccatggtggg ggcagccgct 300
 ccaccttttc 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 gtcacccaa agcccccaat gctgctagga ggagggcacc 120
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<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

<400> 4981
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 ccttgctctt tgctctctct ttgggaggca gaactttgag ggaggggagt aggctcaagg 180
 taaccgatga agtcagggtt cctccagtgg ttccctctct cccttctctt gtgatttata 240
 aatgaatttt aatttttata gtgaatctca agggatcgtc ccacctttga tcacaggaag 300
 ggatcctagc ccccaaactc acaaggagct cggaaggag ggggagaggg gttntaaga 360
 gaaccttagg ataactaggt ggttcttgat gtcacccaa agcccccaat gctgctagga 420
 ggagggcacc cccaaagggg gtcccccaca ggccatctgc ttttgccgct aacaccctt 480
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 gtgggttttta actttttaat gaatgtcata taggacaann tggttaatttg tatataagat 180
 cttggtaaga gatttgctta atgtaaatat aagccacagt tagaatagac tcatcagtat 240
 atttttgata atttttcatg tatggtaaaa gttaaagtta acagatatc tgatataaat 300
 ctcaagagtt ttgagagtca ttgcaggaaa atgggaagtt tttaaacttt cttaaaagac 360
 tttgttaaaa ttttagggca cattttttcca gacatcagtg tttgatctaa ttttgcantc 420
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 nccatctgtg ttacagcctc ctgacttg 508

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gggactgcgt cagctacctt ataatgtgca gtcttgagtt tgctatcttt ggcctattaa 180
gatactttat gaactttaca gttaaaagat taaaaatcat ttcttaagtc cttattgata 240
tctgaagatc atattttggt agaccttggt gaggaactaa agaagtcaat gctgttcaga 300
tgaagtctct aggtaccaa ccaacatggt ctcttttattc aatgctcggg tgtttagtct 360
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 ccgccggttt ggctggcgcc gactctttgg tcatccacgt tcgccgccga ggtcctggcc 180
 aggataccgg gactcgcctg ctttctggga cccgggagcc ttcgggtccac acgctcccgg 240
 atgcaactca caacctgagg ttacaagacg gtgctgggga tggccccagt tcgtcggctg 300
 actggnntca tcctgaagat ggagactcta gatccattta tgtcatacca nccccctcca 360
 tttatgcacg agaggcctga tcctgccccn ttctctatct tntcccttct cnatncatcn 420
 cctggagatg gagccntgaa tgattttatt tactttgtgg tgtccaatct ctacctcccc 480
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 <213> Mus musculus

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 gggcactgac caagtggaaa tatgctggac acatagtgat atatctcaac taggagaggg 120
 taactttagt gaggtagtgt ggacgatcat agatggactg gcccaagttc aaggctggat 180
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<210> 4986
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 <212> DNA
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 acaaaacttg cgaaaagtac caggatgaat ttggagtttc nacatctgtt tcaagcttcc 120
 aacagtctcc aaactccgtg ggcaacagta acaacgaggc accggcctca gcgaatgctg 180
 aggtttttaca ngaagaggan gagaacgcaa gcccacctga tgagcccacc ttcgattgtc 240
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 <223> n is a, c, g, or t

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 agactgggtcc gcatanataa aggtcaccag gaagcacagt cataaacctg gtccccacc 180
 tatcagcacc aactctcagt tcatcagggt tgagaaagga cactggattg agcttctgaa 240
 atgccnctgg tagctctgta acatgggaat ggaaatgtcc ctctctgggc ctgtgtttct 300
 tngtntgtcc antgaaggaa cagaactaga anccattca ncnacctntg agattnttac 360
 acagggnttg gcttctntat gttagccagg gntgctgtaa gaactcaggt tagtagcata 420
 cttgagtaat nagggtcaaa gtgtntcacc acaaacaag gtatcaaata acaagccngg 480
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 cctgatattc ccnaaaaaaa agcatacaga agctaggctt taactctgta gtccactagc 180
 accgtgcttg ctggaggctt tggcgtaggc tgcgaaccag tttgggnctc ccngggaatn 240

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tncagtgatc caatactntn tnggaaaaca ccgagctcag ctacacttga attttacagt    300
aaagaagcac tgggatttat gtnccttttt gtaccttttt cagattggaa ttagttttct    360
gtttaaggct ttaatggtac tgatttctga aatgataagg aaaagacaaa atattttgtg    420
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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
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gtctccaggt tcgattcctc agactgtcct ttagtgcttg tggtaatgcc aatcctcaca 180
agtgggttcg acatntaagc cacagcaacg cctacgtaat tcggatttga agctccccaa 240
gcaaggatat ggacagcaat gtgagcaggc agttgaacag gaagaggaca ttttctttgt 300
ggctttggac ctggacagga aggtcccacg gaccttatgt gatgcgggag gctcaciaaac 360
ttacaaa 367

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 caccgacaag aagaacagtc cagcacttca agggaccgag cccctcgtga taggcatacct 180
 tgttaccgtc cttgggggtgt cgctaggcat gaactccgga tatgcaatca acccatcccg 240
 tgacctgcct ccccggttgt tcactttcat tgctggctgg ggcaaacaag tgttcagnnn 300
 nnnnnnnnnn nnnnnagccg gaaacaactg gtggtgggtg ccggtgggtg caccanttnt 360
 gggcncctac ctaggtggta ttgtatacct gggtttaatt caccacagca taccacagga 420
 tcctcagaga ctggagaatt ttacagcaag agaccagaag gtaactgcat catacaagaa 480
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 ctttgaccac aaccgtactg caat 564

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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 gaggctgaag aagatgaggt ctaatcctga agatcccgca 360
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 cagtccaagc ccacccccgc ctgccttcc gcaaaactgt gagcaaaaag caatagaagc 180
 ctgcccccg cccccggccc gtccctttcc gcaggatttg ccgtctgtag cctccccatt 240
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 ccgaccggg atggggactg gccccactg gccctccct ccccatggac tctttntgct 420
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catctaacag cataaccaag tgtgatgctg acatacagaa gacactcttt ggggagattg 180

tcttgtcggg gggaagcacg ctgtttcagg ggctggatga caggctcctg aaagaactgg 240

aacagctggc ttccaagggg gtcccntca aaatcacagc gccgcccgcac cnntnntnt 300

ntacgtgnat cgggncctcc attntcannt ntntgagcag nctttaagca gatgtggatc 360

actnctgcag anttcaaaga gtttgagtn tccgtgggtc agaggcgggtg cttntgaagg 420

gctgcacant ccagtagct gcagntccc ttgcaaggga cacccatggg aagagagcnt 480

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<211> 480

<212> DNA

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 aaatgttgcc ctgcttggca gggagtctgt ggggaacaag gagccacag ggttccactct 180
 taacaacccc agctatgttc ggagttccta tgaacaggac agagatcagc ggtacctgac 240
 cacctacaac caaggggtact tcgagaatat cccaagggg ctggatcgag aaggctggac 300
 tcgaggtggc atccagcccc agaaagcagg agnctacgcc ctcagtgagc tgaataacca 360
 taccctcatg gantccaccc caaatccac ggagaccctg aggcacctgc acccccatgt 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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gctgcttggt cttccttgcc atagatgcct atgagaggcg cctcgtgggc acccgcttta 120

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agatagcctt ccagctcttg gacttcattc tggctgnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnatac 300
tccaggccta cctagccttc caggacntcc gagacgaggc tccantcccc tacaagcgct 360
ccntggagga gggtagtggtg 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
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<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 cagtgcattgt taaagaagat ctttgaaggt 240

ggaaaactcc agttcatggt tcaaggggtg gagaacatgt gcccatctat gaacctcttn 300

tctcatggaa caagaatgca aattatgtgc tgtcgggaatg aacntntntg caacaaggtn 360
tagatncccg tggcctantt cttgntntga nttaggcagg ttcaccantn tacttggctc 420
aatttatgtt caanttcaac aactaatcac atcgggntnt gcctgatcac cagataagaa 480
gctcaaacct tgtctttatt gatacccat tgcctat 517

<210> 4998
<211> 343
<212> DNA
<213> Mus musculus

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caggaacagt ttcagatgat aatcatttcc ctgaaagagg agttctactc caaagctgat 120
gcactgatag gcgtctaccc agagcacaat gagtgcattg tcagccatgt gttgactctg 180
gacctttcca agtatccaga caccgaagac caagaaggca gcaggagcca ccggaagccc 240
agagtaccac gagtatcaat gtctccaaag tctccccagt ctcgttagaa atgagtatac 300
tcttgaacag ccaccagcta tagaagcttt accctgaccc tgt 343

<210> 4999
<211> 45
<212> DNA
<213> Mus musculus

<400> 4999
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<210> 5000
<211> 486
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agctgccatg agcgagcgcc tccgccccag aaaaaggaga agaaatggca gtgatgatga 120
caaccacct 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

<210> 5001
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 5001
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 gggccgacaa gatacctctc gcatgtccac ctcacagatt cccggtcggg tggcttccag 120
 tggctttcag tctgtcgtgc accgatgaga actctccttt ttgctgtgaa gggcagacaa 180
 tgcattggctg atctactctg ttaccaatgg ctttactagt gacacgcccc ccggtctaaa 240
 cctgaaatgt taacgccggg agctctccag gccactcacc cagcgatgca catggggaat 300
 caaaacacaa actaaatgga caggctccaa gagctgccat cgccag 346

<210> 5002
 <211> 498
 <212> DNA
 <213> Mus musculus

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 <222> (369)..(369)
 <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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 atgagaaagc ggtagagcta ctgaaagcag cccaagggaa ggttaaatta gtcgtacggt 180
 acacacacaaa agtcttggaa gaaatggagt cccgctttga gaaaatgaga tcagcaaaac 240
 gcagacaaca gacctaatca tttaaaaact ttgtgttcct ttgctttta gctaggaaag 300

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ttttacttgt gacctactga tggcctccac gccagtgatt gtaaaacacc agaaacttcg      360
gtgacctcnt ntcttgccat ttataaatg cctgttttag catcacttat ggttatagag      420
aagcatacac tgtttttctc acgagaaaaa gtcagagttg gtgaggacag ttctgtcctg      480
ctgtttttac aggccttt                                     498

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<210> 5003
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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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<223> n is a, c, g, or t

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gctggtgagc tcaagcacgg ccctctggcc ttggtggaca agttgatgcc tgtcatcatg     180
atcatcatgc gagaccacac ttatgccaaag tgccagaacg ctcttcagca ggtgggttgca    240
cggcaggggc gtccagtcgt gatctgtgat aaggaggata ctgagaccat taagaataca     300
aaaaggacaa tcaaggtgcc cactcagtg gacntnncct gcagggcatt ctcagtgatga     360
ttcccctgca gctgctggct ttccacctgg cntngctgag aggctacgat gttgattttc     420
cacggaatct tnccaaatct gtaacagtag agtaacagac acctgaaact taagacagtt     480
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<210> 5004

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<211> 539
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 caagggagcg ctaccagcag ggcaatggcg gagtaactga acggaccaga ctcctctctg 120
 aggnnttacag aagaattaga aaaggtaaag caagaaatgg aagagaaggg cagcagcatg 180
 acggacggca ctccttttgt gaagattaag cagagcttaa ccaagctgaa gcaagaaact 240
 gttcagatgg acattagaat cgggtgtggtg gagcacacgc tacttcagtc aaaactcaag 300
 gagaagtgca acatgaccag ggacatgcat gcagctgtca cccagagtc agcaattggc 360
 ttctattaaa cacgtgggct tccatgcttc tgattatttc gtttttatat caaatgattt 420
 tttaatgttg cattgatttc caaacacaat ttatacttct tcaagcatat tcagtgggta 480
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<210> 5005
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 <212> DNA
 <213> Mus musculus

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<222> (443)..(443)

<223> n is a, c, g, or t

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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 cnttcccccc accattgatg tactgggctn tnttgcttta 420

tttgtatccc cntnttntgc ttntgccatg gggctgcttg ggagcctcca ttactaaact 480

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<212> DNA

<213> Mus musculus

<400> 5006

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agaaaagaag aagaaattgc atcaagaaag aacagtattg tcaactcaca gaaatgcctt 120

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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
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<210> 5007
<211> 507
<212> DNA
<213> Mus musculus

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cgaagccatc tcctacgtgg atcctcagtt cctcacctac atggctctgg aagagcgtct 180
ggcccaggca atggagacgg ccctggcaca cttggagtct ctcgccgttg atgtcgaagt 240
ggccaacca ccagcaagca aggagagcat tgatgccctt cctgagatcc tggtcaccga 300
agatcatggt gcagtgggcc aggaaatgtg ctgtcctatc tgctgcagcg aatatgtgaa 360
gggggaggtg gcaactgagc taccatgcca ccactatttc cacaagccct gcgtgtccat 420
ctggcttcag aagtctggca cctgcccagt gtgccgctgc atgttcctc ccccggtct 480
aaaagccaag gctcgtcgta acagtca 507

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<210> 5008
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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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 tcctcctccg accacgacct gctgaagtgc aacatggatc aacctgactg tattcagcta 180
 ttgccctgtc gccagggcat ctatcacttt caggcacagg gtggatcctt ctgggtcaata 240
 acatcctttg gcaccttccg cccttgggga aaatttgccc tcaacttctg catagaacta 300
 caggggagca gcttgctcac ggtgctggca cccaatggct tctacctcg agccgaccgg 360
 agtggcacac tattggcaga cagtgaagaa attaccaaag aatgtatctg ggaattttag 420
 gtcaatggga tntcacctgc caaactntca ntctccagg aacaacctnt gaactaaaca 480
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<210> 5009
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcggagcaga accgcaagga caagatgcgg ttcctcttca acatgtacga ccaggacggc      180
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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
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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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 agtcaggatg aatatgccta caggatggaa catatcatga gttcctggag ggagaaggta 180
 aattttccaa ccgtgtattc catgaggctt cagctgcgta gaaccatatg caagaaattt 240
 gaggagagtc tcgatatttg cccctttcag gagagccatg gtctgaataa taccttcacc 300
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 tgaaggggtt acccttggca gaacntctgt gntcattttc cttgttttgc agcattgtgc 480
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ttcagcccggt ctgcccgncc ctcggcgggc caggtggcgc gcaatggctg gctgcggggc     180
ggggactccg gctaggagcc ggggttctcg ctgttcccgc cgcaccaggc acagagccag     240
ggcggcgcnac gcgcgaaggg cgagcnttcg ggaaacccgc gaagtcgccg cgcgccacnt     300
gcgcacgcgn cntgtccct tccccttccc ccacggcggc ggcntntga ggcctgntgt     360
tgggttntga ttcctcctgc acaaactgat tgctggagag cgcattgcgn tcctcgattt     420
ctggcgagaa ggccccggga ggggcgcaaa gagaagagag agaagcattg cgcctgcgca     480
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 ctatgcagtc accaaggccc accctgccct ggtatgtgct gtcctgcact ctgaggtcgt 180
 ggtagccctc atgctgcagt attacgtgct ctatgagacc gtggcacctt ctgacatcat 240
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 aataggagag atngaataa aaaccatggg agaacaaatg cctnncaaag aantggtgtg 420
 gaggaccagt gagatagctc agcagataga ggctaattgct accaagcctg atntatatgg 480
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tttctgccct tgctgggtca tgggccttgg gcagatgcca aagatccaag gggtggtagg      180
gccagctagg caggccacct ggagtgggcc aggagcgctt taccctctct aatcgcttcc      240
acctgagaag tgcacacact gaagtggtag gagagtgcgc gtacaanggg gccactgtgg      300
gccttctact tcacccaccc cgcccttcca cagaccaag cccacccttt catagcctgt      360
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gtgtccactc cctgccccat gcagagctcc caccaccca tcccaggctc ggtggctgcc      480
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tccctcacta acgcccaggg caaaggccan caagctggaa aagccgctgg acgactctgt	240
ggaccgcgtg ggactcatca cacgcagtga gcgctacgtt tgcgcagtga cccgagacag	300
tctgagcaat ngccacgccg ntgcngcagt gctgcgtccc tctggggctg tggtcaccct	360
ggagtgtgtn gagaaactgn atccggaagg acatggtgga ccccgatgaat ggggncacgc	420
tgacagagcg cgacatcatc gtgctgcagc ggggcggcac cggctttgcg ggctccggag	480
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<212> DNA

<213> Mus musculus

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tgttctttat aaaatgtata aacccttcca aactatttaa agaggagtgt tattgcatgc	180
agataatcat aattttgagt ttgcctcaga agactactaa agcaaatttg ttcatttttt	240
tttaaaaaaa tgccctttta tgtttcaaaa aaaaataaca gtgtaatttg actgacttta	300
agatcagcca taaataatga gcagtcttca aaagcacttt tcacacagat catctgggct	360
ccaggggagga agagtctgtg ccactgatgt tttcaagtgc aggactcact caaacctctc	420

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ctagaaataa cactaaagga aaagcatcag caagaactcc aatcttttaa 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 tncataactca acattgtgaa attaaagaac tgaancantc	420
acgagagatg gcattagaag acctgnaaaa nctncatgat gaaaaaatcg antcattgag	480
agctgaattt cagtgccttag aacnaaatca cctgaaggaa ttagaggaca cactgcacat	540
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<212> DNA

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 actgcgcccta tttcaccacc attgcaaggc caactatgga cagcaagaag aacctggaga 180
 tttgggggtat caagtgccga ctgactctgc aaaagcccag ttgtctatga agtgcttacc 240
 gcagagcggg gtttccttct ggaacganga aancanncag caagtccgca tgctggagac 300
 cttgnttant cttcctattg gctttncctt agccttcact ttatatntat gttaggggaac 360
 catttgcgag ggggacanc cgaagtgtt antttttnaa aactatagag ccgattctnt 420
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 tcctcttata gaggaagctt caaagtcaca gtcttcaaac tacggggcaa gcagctcgtc 180
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<210> 5019
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gtgacgtcaa cactgcgggga ggacatgttg gaagagggaa cgcgctctct cnggcagata 180
cggggggtcct cagcagacat cttaagtctt ggcagggccc tccccaccg ccctcccttt 240
cctttccac gctctctgta aagccacgtg tttgagcggg tcgctgtttg tttccctgag 300
accctccccg taaacggtaa ctgagtcagt tgttctgtat actctgagac tagatatacc 360
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atactgtcgc agtattaccg agcattaagt gcttcagtgt tacgaatttt ntccaaacta 480
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tcagcagggtt ccagtaccac ctggcgtcat gcaggaagaa gaaccccaag aaagccaaaa 180

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agatggccag ctgtaaatac aacgcctgcc acgtggttcc catcagaaag ctggctgaac 240
atgaagctac ctgtgncnac aggagctccg tggaggaaga ggacacatta ggccctctgc 300
aagtcagcct cccacagccg cagaaccagg acacactaca ggttngttgg ctttccaacc 360
ctgacatttg gaatgttgac ggcgccaact gtcaccaat ntngtcctt aagagttttg 420
ttccccaaaa anttgtttgt gaaagtgaca tccaagagtc acggggagga gaccaatgcc 480
cagaagatcc tcagactagg accaggaagg caaacttcta gcaggaggaa gagggctctc 540
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caaggtccag tggactgaca ccctggacgg ccnatctcca cgncattaac acgtnactgt      180
gaagattccn ccacnaactg tagattctac ctttttgtaa tncgttttgt taaggggaag      240
gcggactggg ttgggaaatg ggggctggtg acgaaatgtg ncaggcgctg acagatacca      300
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<223> n is a, c, g, or t

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 aacgagacct catggggaac atcctgctct gtgggggcag nactatgctc aggggtttcc 240
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 acagaaggtg cttctgagca gacacagcat gctcaccgtg gtggcaatgc cagctttact 480
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 <223> n is a, c, g, or t

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 tatttttagca aatacagtct cttagtcact aggctttgca ttcgatatga gccgtatatt 180
 tctgtccatt ttctcaaaca gaaacatgta tgttaagtga agatggcatt tctttcttgt 240
 atagtacttg tattttcttt cgccgatgca gccctgtctc aatttttcaa cctttgctgt 300
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<210> 5024
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 aacacctctg cagaaagggc aagtgggtaa atgtaatcaa tgtttccatt ttatgttgat 180
 tagaaagaaa aatcatggcg cctgccccaa ctcaacactg tcagcgccag aacacaatga 240
 cactaagaac aaccttggaa gctatatact acatgggaag aagaaactaa ctgtacttct 300
 cagcctttga gtatagattt acactttatt accnaggtat aaatnttcat atttccacca 360
 gtaggggaaa aaaggaccca cacaatttca aaataacaaa aaaccatact aaaaccacag 420
 acttcataga cctaaggaac cacttattta taanccaact ggntntttgc agtttgttta 480
 aatcatatat atattnttcc aattcactta aaactgttac ttaaaactaa cacttccttg 540
 cagagtaa at ttgtcaa 557

<210> 5025
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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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<220>
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 <223> n is a, c, g, or t

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 gntacagtgt aggagatctt cttcaggagg tcatgaantt tnccaaagaa angacaantg 180
 gatgaanccg tgggcaacat ggctagaaag cagctgntng antggcttnt cgntaacntg 240
 taagctgaga attccttnga ntcccntcca tcctcnttcc 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
ttctttctctg tctactttgc aaccaaattgc aatcagtggt 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 tcatcgaga cctgggtggtg gggctctgca	120
ctgggcagat caagactggt gccccttgcc gatccgagcg cctggccaag tacaatcaga	180
tcctcagaat tgaggaagag ctgggcagca aagccaagtt tgctggcagg tccttcagga	240
accccctggc caaataaagc atggaccgga gatccctgga gccaccagct gctaggctcct	300
ctatccctga tgtatccca gcagctcaag gccagcccag tgcgtgcccc tcccatgtca	360
ctgcttcctt aggcattcac acctgaccac cagaatccct gctggagacc cagttttgca	420
atcatgtgat tgggtctgaat cattgtttct gtcacctgac ttcccagcta gtgtctggag	480
ccctcgga	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 atcctgggtgt cataccatat caagggtgaag	240
ctcacggtgt cgggctttct aggagagctc acatccagtg aagtggctac cgagggtccg	300
ttccgcctca tgcacccgca gcctgaggat ccagcaaaag aaagtgttca ggatgaaaat	360

ttgggtttttg aagagtttgc tcgccaaaat ctgaaagata ctggagagaa cacagaaggg 420
aagaaagatg aggatgctgg ccaggatgag tgaagactta gcctagatgc ctagaaactg 480
cttgtagttc cgggtgcctt gagggaagcc cccggtagac tctcaaagtt atgctagata 540
tcaaagcatg agcatttcctc ccagaaa 567

<210> 5029
<211> 509
<212> DNA
<213> Mus musculus

<400> 5029
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tccccccagc aagagatttc ggaaggaaaa gaagcaactg ggctctggac tgtaggaaa 120
cagctatata aaagaaccga tggcacagca ggacagtggg cagaacacaa gtgtccagcc 180
tatgccatcc ccccccttgg cctctgtggc ttctgtcgct gattcctcca caaggggtgga 240
ctctcccagc catgaactgg tgaccagctc tctgtgcagc ctttctccat 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
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 agtcagattc tggaaggaat caacgtgtca aagaggaagg agctgcactg gcctgatgaa 120
 ggaattcggg taaaagctgg gaggaacagc tggaaagact ggagtccaca ggagggcatg 180
 gaaggccatg tgggttcaccg atgggtgcct tgcagcagag acccaagtac aaggtcccac 240
 atcgacaaga cagtgtttct cgttcagatc gatgataaat acgtgactat aattgaaacc 300
 ggggtactag aactgggggc cgaagtgtga gcctgcgctg catacctggg ttcctttctc 360
 tggcttccca gccctcggag agaaagcaag gttgcagaag agccacctgt ggggaccgac 420
 cgcttgcctt tcgcagcaaa gacttgacca gtggcttggg taagctcctc tccaccctga 480
 ctctgttcac tgtcttcac 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

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<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

ggctctgtgtt ggtgtaacta aagctgggttgc tcacgcactg a                        401

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<210> 5034
<211> 493
<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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<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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<220>
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<223> n is a, c, g, or t

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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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 tctccaaaga gagtggcaat tattgtgtgc catgttttga gaaggagttt gctcattact 120
 gcaacttctg taagaagggtg ataacttccg gtgggataac cttccgtgat cagatatggc 180
 ataaagagtg ttttctgtgc agcggctgca ggaaagagct ttatgaggag gcatttatgt 240
 caaaggatga tttcccatc tgcttggtt gctacaacca tctttatgct aaaaagtgtg 300
 cagcctgcac caaacccatc actggcctca gaggtnccaa gttnatctgn tttcaagacc 360
 gccagtggca cagtgagtg ttcaactgcg gaaagtntc gntntccttg gtgggtgaag 420
 gattcttgac ccataacatg gaantnttat nccgcaagtg tggntccggg gcagacactg 480
 acgcttagaa aga 493

<210> 5035
 <211> 431
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (363)..(363)
 <223> n is a, c, g, or t

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 cttacattta aaatcagaat atttttctta acacttccta atcagtaaata caacatttga 120
 tgtggtaatt aacagggtacc aaaattttaa atttgtatgt ggaatcctta gagttaaaga 180
 tagtttttat attttggttt ttataaaccg ttaagggtga tctaattgatt gtgttttagt 240
 ttttattaaa actcactaca gtatcaataa accaacagtc tttcttgtgt tcttttgtac 300

tctgttattt gcttgtgttt tatgcttaga aacataccat taattttttc 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 cggtttttaa g 471

<210> 5037
 <211> 505
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (418)..(418)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (434)..(434)
 <223> n is a, c, g, or t

<400> 5037
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 atttgtgtcc cgatcagaga tggaagcaga tattaaggct gggaagtatt tggagcatgg 120

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ggagtacgaa ggaaacctgt atggaaccaa gatcgactct attctcgagg ttgtccagac 180
tgggCGGact tgcatttttg acgtcaaccc acaagcactg aaagtgttaa ggactttctga 240
attcatgcct tatgtggtgt ttattgctgc tccagagcta gagaccttgc gtgccatgca 300
caaggctgtg gtggatgcgg gaatcaccac caagcttttg acggactctg acttgaagaa 360
aacagtggat gaaagtgccg gaattcagag agcatacaac cactactttg atttgatnat 420
cgtaaataac aatntagaca aagcctttga gaaactacaa actgccattg agaaactgag 480
gatggagcca cagtgggtcc caatt 505

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<210> 5038
<211> 464
<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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<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 cagtgcaggg ttttcacacg gccccttccc 300
tgttcaagca gaacaggtgg ctggtttcaa ggcggtttcc tgcactgaag gcccagactt 360
ccctttccac cccaagactg atgtagctgt gtgggggtcag caggggctgc aggagagggg 420
agcagctgtg ggctcagcgt cttccgtgag ctttcacagt agag 464

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<210> 5039
<211> 471
<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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<220>
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<222> (319)..(319)
 <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

<220>
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 <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>
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 <222> (362)..(362)
 <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>
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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>
 <221> misc_feature
 <222> (445)..(445)
 <223> n is a, c, g, or t

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 cagcatggac agagcccttc cactgtattc gagcacaccg tgttgtacgt cactgtggag 120
 ccgtgcatca tgtgtgctgc cgccctgcgc cttatgaaaa tcccgtggt cgtctatggc 180
 tgtcagaacg aacggtttgg tggttgcggt tccgtcctaa acattgcctc tgctgacct 240

cccaatactg gaagaccgtt tcagtncatc cctgggtacc gagctgagga ggctgtggag 300
 ctcctaaaga ccttctacna acaggagaac ccaaatgcnc cnaaatcnaa agttcggaan 360
 anaggattnt cagaaatcct gattctgtaa tgatcnacgt ctagtacagt ttggagacct 420
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<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

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 ggggctcacc tacaaccctc tgcatgttgg gagccacttg tactcacatc tgagcagcgc 120
 ccatgccaaag cctcagggac ggctctacac aagctgcgca agccggggcc ttagaaaagg 180
 gggtcagctg cagaccaaca gagttcgagc cgcagtgggt cccctcccag tggctcctgc 240
 cccacgtaga gctctgaaga tgacagcagc cagcaaagca tcctcagcag ctttctgcc 300
 ttcggattcg gaggagggag aggaggagcg tccttctcac acctaagtcc ccggtgccag 360
 cacacagcca tgcactcacc cgatggctnt ctgggggagc atctgcctgn tcccaacctg 420
 tgctgtgaaa tgagctccg 439

<210> 5041
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 5041
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 gctgctggac aacccatgtg cggatgagac cgactaccgc caggaggccc tgggtgcagat 120
 ggcgcacctt gagcgcctgg acaaagaatt ctatgaggat gatgaccggg cagaggccga 180
 ggagatccgt cagaggctga aggaggaaca ggatcaagat ctcgatccgg accaggacat 240

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ggaaccgtac ttgccaccag tttagtggct cttccagcct gcagggacag taaaggaagc   300
catggacact ggccccaaga actgataaga ctccagtggg ggaccaccac attcatagcc   360
ccgtcacagg aagtgggaga tgctcctttt tgtcccagac tggaaa                 406

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<210> 5042
<211> 386
<212> DNA
<213> Mus musculus

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<220>
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<222> (101)..(101)
<223> n is a, c, g, or t

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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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<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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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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<400> 5042
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ttgctgtagt cgttctcgtc gttttcgtag cagaactaca ttaaggggtga gagatcccaa   180
gttcttttcag attacggaga aggggggagca atcacttcaa agaagaatta ggagacaatt   240
gacgcgggagc caactggagc tgatcgaacc ggaaccgacc atggcttttg agccaagcga   300
gattacagtg gcattnttnt ntcataagaa tnccaatgtn tntngatcca gaggaagttc   360
caccatgcct tgacagtgac ccattt                                         386

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<210> 5043
<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tggganctct ggactacttg ccccnagnaa ntgatagcnc agaaaccgta caatgagatg 120
 gttgatctgt ggtgcattgg ggtgctctgc ntatgagctg ctgggtggga agccaccctt 180
 tgagagcagc acctccagt agacatanag acgcatccgc caggtggatt ttaagtttcc 240
 ttcacagtn cctgcaggag cccaggactt gatctccaag cttcttaggt accatccttc 300
 agagcggctg agcctggccc angtcctgaa gcacccttg gtcagggaac actctcgaag 360
 ggtgctncct ngctntgttc aggggncttc ctgagccctg tccatctcta tccctatgta 420
 tttcttcagg aaggctctca ggctctgttt gttagtgcac gtggttcgct tgtttt 476

<210> 5044
 <211> 574
 <212> DNA

<213> Mus musculus

<220>

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<222> (218)..(218)

<223> n is a, c, g, or t

<400> 5044

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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 gcccctgca ctgcccattgc     300
tgccatgaact tcctgaagtg cccatggaga tgcccccaag gcctgaactc tcttcagagg     360
ctgtgctcag ggcagtagca ctgaaactgc aggccaacaa ggagctggac ttcagcagcc     420
tggtgcccc tctcagcccc cgaaagtgg cttctcgggt cttctatctg ctcttggtgc     480
tgtccacaca gaagatcctt cttgtggaac aacagaagcc atatgggccc ctcttgattc     540
gtcctggacc caaattcccc tgagcaagtt catt                                  574
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<210> 5045

<211> 553

<212> DNA

<213> Mus musculus

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<220>

<221> misc_feature

<222> (253)..(254)

<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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<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

<220>
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 <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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 <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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 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 gcgaaccac 300
 acaggagaga agccctatga atgtgcnaag tgtggtgcag cttttatttc tnactcacac 360
 ctcatgagac ntcacagaac ccntcttggt gaatagcaag gnaagagtac gatnccctgc 420
 ttttggttca taacctactg ctcctaata 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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 <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> (153)..(153)
 <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

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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

<400> 5046
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 cagagcagga tgcctctggg aggcaggaga ntctggctcc gaggccagct tctgagacag 120
 agccacaggg agacaagcaa cnccgagagg atnctgagct tgtgaaagga gcagttcttg 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
 aaccctcaa gaatctcaac aactgtttgc agcagctcaa gcaggaaatg gacagtctcc 360
 agcgccagat ggaggagcat accatcactg tgcattgagtc cctgtcctcg tgggctcagg 420
 tggaagctgc cccagcagag catgccatc cccggggaga cacaaaactg cataatcaaa 480
 acagtgttcc cagagacggg gctgggcat atgaccactg ttgtcctcat cacacaagta 540
 t 541

<210> 5048
 <211> 543
 <212> DNA
 <213> Mus musculus

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 <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
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 <223> n is a, c, g, or t

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 agctcagtgt cccagctaga attgaaaagc ctgatatcca agtcagtcag ccgagaaaag 120
 caagaaaagg gaagggctaa cctggcccag ctgggagcct tgtaccagtc ctctctgggac 180

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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

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<210> 5049
<211> 538
<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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<400> 5049

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gacgatgagg atgatgacaa cacattgttt gatgccaatc atcctagaag atgagtatgt     180
gcctttcatg agaagatttc catatttcta ctgaagaaca gagtttctat gtctaaggaa     240
taagaagcca ctctatcaag gggaggggaa ttttaagttac atacattatg tcaaccttta     300
atttgttgat actcaatcca tagtgcataca tttggttaca actttgtata tttggaactg     360
ctgtatttat tagtgtgtc tgtgttatta gggacaaact ntactatgct ggattttctg     420
tttgaaaatt attttaaaac tgtttntgc agagcttttg tccctntctt ttaccatatt     480
attgtaactt ggctttcttt attaatccat tgttgttgct ttcgttttgt cagtgtca      538

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<210> 5050
<211> 515
<212> DNA
<213> Mus musculus

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<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 cactgtaga attcactttt tttatttaaa     300
acctgtacgt atttacaact ctaatggtga cctgtgattg tgaactgaca gtacttgga     360
gcattctggt tatcacaaaa ttggtgacag gctttgagag tttgtcacat ggacatgcca     420
atgttctatg aaccttttat aaaggaatat atttttaaag taaatatatt gtattgtact     480
gtgaacttgt ggggtgctttt cattagtatc tgtac                                515

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<210> 5051
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<212> DNA
<213> Mus musculus

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<220>
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<222> (166)..(166)
 <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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 gacatcatgg ccaagaaaat gcaaaggcga agaagacaga aaagaacccg ctcccagaga 120
 ggtgagcttc ctcttagcct tgtagatcgt ttcctacgag aggaantcca ttccagtcgc 180
 ctgagntcct ccgcacttnc attcctcacg agtgtgctcg agtacttaac atcgaacatc 240
 ctcgaactgg ctgg 254

<210> 5052
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 5052
 gtaccctctg tacactatcg tgttcgttta ttacgctttc tgcttagtat tgatgctgct 60
 gcttcgacca ctactggtaa agaagatcca gtggcaccta tacgtgtcaa accagctgga 120
 aagcatgtat gcggccctct acttcttccc gggtttgacc gtgctgcaag cagttgcagg 180
 aggccctcta tattatgcct tcccatatcat tgtgttggtg gcatctttgg ctaatctggc 240
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<210> 5053
 <211> 193
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<400> 5053
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 attgtccaca tggaactgca ggaggcngat ggggactgtc acctccaggc tgtcgtgctt 120

cacctggctc ggcgcagtgt ctgtgttcat cccagaacc 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 tctggngctg aagtacacac ctcggaggac 180
agcctactct gcttccatac ccatcatcag cctccctcag tagtgctgca cccgtggccc 240
acctcctagc ctctccgtgt acctcaagac ctatgttaca gcatccaact tacaatatct 300
cccatcccag tggcatagtt caccaagtcc cagtgggcat aaacccccgc ctgttaccat 360
ccccaacat 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 gccttttagtc 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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 tggagtaaca gaataaacac tgccaattcc agaaagcacc aggagtttgc tgggcgtttg 180
 aactctgtca ataacagagc agagctgtat caacacctta aggaggaaaa tgggatggag 240
 acaacagaaa atgggaaagc cagccgccag tgaagagtga cttgagaaac caaattdaga 300
 ata 303

<210> 5057
 <211> 505
 <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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 <222> (341)..(341)
 <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> (356)..(356)

<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>

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<222> (433)..(433)

<223> n is a, c, g, or t

<400> 5057

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ccttaaggag gaaaatggnn nggaggttgg actgantggn aggaccccgga actgcnnatc      180
cctttcttaa antgcccacg ttctcctggt gtgaatagga tggagacaac agaaaatggg      240
aaagccagcc gccagtgaag agtgacttga gaaaccaaatt ttagaatatt gtgaaaaata      300
ttttgggcag aatttgatat aagtactttt acagcaagat ngtanagcta tgttgncctgg      360
actggttttt tacattttta gagaatttcn atgaattatc tttttgtac taattctgag      420
attggcagag tcnaaatata tacattggag atttgcctc ccagaccaca cagtttattt      480
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<210> 5058

<211> 510

<212> DNA

<213> Mus musculus

<400> 5058

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actcatgacc agctgtactt ctatgcccat ctgggctacc aactgggtga gcctgtgcag      60
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ccctgcccc agccaccctg caaggagcct atcctagctg cccaagctgt cccaaggagc      180
tccaagggac cccattgcc 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

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tgtggacaac cttaccctgt gtatctttca tgggtcccag caggccaggg ggtggctttg 480
gagctctggc tcagagctgt cagtgtggct 510

<210> 5059
<211> 320
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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acatgtacct tcagcgcagt tccaacatca gagacagatc gcttctggcc agactacttt 180
accgcactta tcctttaaga ctgagcaata aacaggggat tctaccagca ggaatcatgc 240
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tcgaggccat ctgtaagaga 320

<210> 5060
<211> 522
<212> DNA
<213> Mus musculus

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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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<222> (381)..(381)
<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> (404)..(404)
 <223> n is a, c, g, or t

<220>
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 <222> (430)..(430)
 <223> n is a, c, g, or t

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 gcagagcagc tggcagcctc ccaggaggag acccagaggg tgaaagtgga gctcgcagag 180
 cttnaggccc gccagcaggt ggagctagac gaggtgcacc ggagggtgaa gacggctcta 240
 gcgaggaagg aggcagccgt gaacagtctc cgcaaacagc atgaggctgc tgtgaagcgg 300
 gcggaccacc tagaggaact gctggagcaa cacaaggnt 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 aggaacact gataaaaatt caaactaaac 300
 atgccgaatc aaaagaactc ctgggcatag acctgaaca 339

<210> 5062
 <211> 508
 <212> DNA
 <213> Mus musculus

<220>
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<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> (271)..(271)

<223> n is a, c, g, or t

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<222> (273)..(274)

<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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<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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 gcttcctntt ggaaaggccc aagtccatga gcacggatgc 420
 tntgatgaag tttgtgaant ntgagtcagg ataaaatggg agacgggggg ngggggggga 480
 cgactGCCCA taagaaaacg aggataaa 508

<210> 5063
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 <212> DNA
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 <222> (142)..(142)
 <223> n is a, c, g, or t

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 aaggccctct tcaggtgtgg ancaggcttg cctcctccta actgagtatg agcgggcccc 180

ggatttttcta gtgcgagctc agaaagagca gccctgcaac catgacatca ataatgagct 240
 gaaaaagctg tccagccact acagggacta tgtggacaga gagagagaga tgtgtcaccg 300
 catgttttgct ccctgtggaa gcaga 325

<210> 5064
 <211> 439
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <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

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 ttcatactgg agaaaaaccn tacaaatgta gtgaatgtga caaatcattt acccaggcct 180
 cacaacttag aacacatcag agagttcata ctggagagaa accttatgta tgtaaggaat 240
 gtggcaaadc acttactaca tgtgcaattc ttagagcaca tcagaaaatt catactggag 300
 aaaaacctta caaatgtatg gaatgtgaca gacacctat 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 gagtcacac tcaaattgaa attgatacga agtacttttaa 180
aggcaactgt cccaacagct gcaaagtgga tgggtgcatc ctgaccacac tggaagagga 240
agacatgatac 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
taaatacagca ggagcaagaa gacttggaaac 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 agtcaaaga gatgaggaaa aacctgacca aagaagccat caggaggcat 120
cagatggcca agactgggtg gaccagact gacttgttca cttgtggcaa atgtaaaaag 180
aagaactgca cttatacaca ggtgcaaact cgtagtgtg atgaaccaat gacaacattt 240
gttgtatgta atgaatgtgg aaatcggtgg aagttctgtt gagtttgaa gaattggcaa 300
agtatctgga ccattaagaa aaacttaatt ttgttaatta gctttaaaat taagccaggc 360

aactcgtttc cttgcaagtg aaatttgtaa acaacatata tctcatgggt tggctcttgt 420
 tgttcacctg acagtcttgt cttaaagcc ttctgtgggc 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

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 ttcaggagcg cctgctgccc tacctgccct ctggggagtc tctgcccag actgcagatg 120
 agatccagaa cacattaacc tcgccccagt tccagcaggc cctgggtatg ttcagtgcgg 180
 ccttggcctc aggacagctt ggccctctca tgtgccagtt cggccttcct gcagaggctg 240
 ttgaggccgc caacaaaggt gatgtggnag catttgccaa agccatgcag aacaatgcc 300
 aat 303

<210> 5069
 <211> 482
 <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> (439)..(439)
 <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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 gatcacaggt cggctctgatt ttggttccaa agctagaatc aacagcagtt tggcgataat 120

gggagttctct cctcccatgg gctcagtcgt tgtggagaaa catcatccag tcacagtgc	180
aaccatttctt caggcaactg ctgccaagta cccacggacc atccatcctg aaagcagcat	240
ctccgcttctt aggtctctcg gagccaggcc gggccacgcc cagtctctct cagttcagtc	300
gataaaagtg gttgactaga ggggctgtgt tcacactcat ggctatgagt cctctgataa	360
ggacttttctt 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	
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ctcggacccc agccagcagc cgccctccta tgggggcccc tctgtaccag gttcgggggg	120
tcccccgct ggcggcagtg gcttcggacg cgggcagaac cacaacgtgc agggcttcca	180
tccctaccgg cgctagccag gggcatggcg gcggggcagg caggattcgg gactggtgaa	240
cttgtgacaa tcacactcgg gacaaaataa atgaccactc gacctggggg gaggggcagc	300
ggaggccgca tctggactga ggttttaaat atatttcttt tctctgacct atcagcacia	360
taaaaacacg tactgggttc 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 gtaagcacc cagattagca gctgacggac gaggcagctg	300
cagccctact gtgctccttg accttctttt ggagggtttt aagtcggcgt gagaagaatc	360

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366

<210> 5072
 <211> 518
 <212> DNA
 <213> Mus musculus

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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

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 atgagagcaa tgagacagac tatgtgccgc tgcccatcat cgactctgtg gagtgaaca 120
 agctgctggc cgccaagaac attaacctgc ggctcttcct gttccagata cagaagtaag 180
 atggacccgg gcacctgagg agcagagggc tgcagtcagg tagtgctgtc ccacccatcc 240
 ctggcttggc agcagcttca cacaactata tgatcatttt agcaaaggag gagaacaaac 300
 agaatcaaac actgagaaaag tctgcatgcg tgtgcaaccg ggtccctgcc tctgggtcac 360
 cttcctcccc tntnctccc acctcctgca ggcagccaga ggctgagctg atcacagtgg 420
 agacagcact ctgggcgccct caggtacagg tggtagaggag ggcaagaagc cacccttattc 480
 ccagctccca tcttcacatc gaggtggcac ggtgggttc 518

<210> 5073
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 5073
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 ccggctgggtt ctctgagccc tgtgtcggcc gggcttaagt cgcactctgcg taacgtgatt 120
 tcttc 125

<210> 5074
 <211> 469
 <212> DNA
 <213> Mus musculus

<400> 5074
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ctcagttgtc ttggaaatga agtgaaggca gatgagggtt taaagggtctt ttttaactgca 120
ggagaggcctt tcgttgtttg tttagcttag ccgtctagtg gtgtctcctg agttttatgg 180
gaaagggcta agtttgctct ctgtaatgta agcatgtgtc cattaagaac cacgtagctt 240
ctcaagctgt gaggactgac gggtaatgct cttctcagtc tgtctctgac ttggaggact 300
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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

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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 gatgtttctca acataagcgg catcatagca acggttgttg tgggtggcctt 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>

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 <222> (89)..(89)
 <223> n is a, c, g, or t

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 <222> (227)..(228)
 <223> 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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 <223> 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

<220>
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 <222> (464)..(464)
 <223> n is a, c, g, or t

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 aatcgcccag agcaagccaa ggagcaacng ctatgacatt ctcaccatac tgcctaataa 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 atccttcttt atgatgactt 360
 ttacgacagt gcttaagaaa gctagacgct accccaggta gtaacggcac agaatgcctt 420
 gggcttgttt tnttccataa aatcattcat atttgcataat ggantcctct gagggatata 480
 agctatttt 489

<210> 5077
 <211> 528
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (34)..(34)
 <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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 ctagaagagg ncctgaagaa gatattttta gcagcaaaga aaaagaaagc aagcgttcat 120
 cttccacgaa ttggacatgc taaaaagggg tttaactggg atgggtaccga acgacttata 180
 cggaacatt tggctacacg aggcattcca attacatat actactttcc cagaagtaag 240
 gcccgccatt cacagcctgc atcctcctcc tcagcaccac tggttcccta gcaaccagcc 300
 cagcattggg tccagttttc agcaaccagt tagattcttg ctcccagatt gactgttagt 360
 tttcaggaaa caaggctatc ttgggtcata ttctctgctc tggaatttct gggctagtct 420
 ttctgaatt 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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 aagcaagttt gagaagttgt gcaagagtga cttgctgtgg gaacagatag tccagtccac 120
 ctgtgacacc atcacccttg acatgcgggc cttggcgaaa aacatgggct ggaggcagat 180
 gttcctcacc aacaacatcc agctccagag gcagaccgcg aagaagaagc aaagacagga 240
 aaaccaggca gagaagcttg cttaggggat ggctgtttcc aacagcggag ccacagtggg 300
 ccgaatctcc aggtccaaag ctactctctt ctttaacaaca ggttctgccg attccagcat 360
 cacttgaaaa ccagattttg cacacacatg caaatccacc tagtgccttg ctcaagcaac 420

cccctcctat tgcccaacca gggcccaagt actaagggct tcgagccagg aagtctctta 480
gactaccacc tccctgatcc ccttttgccc cccccccag gaaagaggca cttgtatatg 540
aactaac 547

<210> 5079
<211> 549
<212> DNA
<213> Mus musculus

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<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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<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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gagacttgga agaaaagggtg gagaagacag aaatgctcaa caggcgcttg gaatccctga 120
agcgccatca tgccgggctc gccttgctct gcaaaggggt gaagcaaaag atcagggaag 180
ccaaaacttt cctcccctct tgacagccct tgacaggaca gttggcaaaa acttctgcaa 240
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tgcaacttta ttttttggct gttttccagc tttcaaattc ctgctgaaca cttccagcta 360
gcagtagctc tacatgagct taagaaaaat atatntagag agtgcggtga ttaaactgac 420
ttctagttaa aagcctttat agccaagtag cccagnta aaggagtgtt agaactgtct 480
nttgccctatg tctaaggatg gcttaaatga gtgggcaagg tacagaaaat ctctatgcac 540

tgatctgat

549

<210> 5080
 <211> 489
 <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> (248)..(248)
 <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> 5080
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 gtcnggacga tcagcagttc ctgcaggtga agaagactca tgaactcacc aatcctggaa 120
 ttgccgaagt caccatccgg ccagaccaca agatcttagc cacagcaggc tgggaccatc 180
 gcatccgtgt gtttacttgg aggacaatga aaccgttagc tgttctggct ttccacagcg 240
 ctctgtnta ctgcgtggcc tttgctgctg atggcttgct tgctgcgggg tccaaggacc 300
 agcgtatcag catctgggtca ctctaccct gccatgact tagctgtggg aactgctat 360
 ttactccag tcttgacca gccctgtgga agatcttcaa gtccctctga ggacagcaaa 420
 ttgtggccaa agatccctgg ggtccacttt ncttcgtgag gttntctgtt ccttttctga 480
 ctgtcattc 489

<210> 5081
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 5081
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caggatgacc tcatgcttat taaactagct aagcctgcc a cttcaacca 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
at tt 364

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<210> 5082
<211> 250
<212> DNA
<213> Mus musculus

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<400> 5082
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gggtggagaag aagaaaacgg gcttgctgga tgaggaaaca ctatgccccg ggattttgga 120
aagggaccct gaattgcctc ccacaggctt tcgggatgtt cctatggaat ccccaccaga 180
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<210> 5083
<211> 461
<212> DNA
<213> Mus musculus

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<220>
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<222> (48)..(48)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

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<220>
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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

<220>
 <221> misc_feature
 <222> (423)..(423)
 <223> n is a, c, g, or t

<400> 5083
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 tgtggacgat cgtagcccca gcctggagga agggctgaat aaggaactgt tgaagaaact 120
 gggcgagggg gtgtccactt tcagcatctt atccaccgac taccgaagct ccctcnctga 180
 gtccaaatca aaagtgggtg cccatttnta tgtcaaatgc ctaacactag agcagctcca 240
 ggcgggtggag gctggggcac cacaagccaa ggaccatggg ctanaggtct tgggcctggt 300
 gcgggtaccc ctgtacacct tgcgggatgg tgtgggaggc ctgcctgctt ttntggagaa 360
 ttccttcatt ggtgtcgcca gggaacagct actggaagcc ctccaggact tgggaattnt 420
 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 tgtagcaat 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>
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 <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
 cagcccatg caccatga agcgatgtcg catctggtag ccaaggctga gctatgctgc 300
 ggcccacgcc ccgccacca gaggtctcgc gaatggtgta gctggcagag atgtgcaggt 360
 ctttgctga aggccaccgg agccaccagc cagccctccg cgcccagcct agagtgtanc 420
 caccgcccc caccgggat gagtgggtgcc ggtcctgcgc cccctcaggc cagtgaggg 480
 cagcagcccc 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

<400> 5086
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 tggagatgga ctatgagaag agtcggagac ggcaggaaca ggaggaaaag ctgcttatca 180
 gtgcctggta cagcatgggc atggccttgg agcatcgggc tggggaagag cacgctcctg 240
 cccatgcccc gtccttcttg gcacagcaaa gactggccac caatgctcgc cgtggacccc 300
 tgggncgcca ggctctgagc ctccgcccc ctgacaagca ctgacaagac ctcgacttcc 360
 tgctgcctgc tggagtcttc cagtttacat ttaccagct 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 caaattttatt 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
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<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

<220>
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 <222> (111)..(111)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (116)..(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> (141)..(141)
 <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> (219)..(219)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (318)..(318)
 <223> n is a, c, g, or t

<400> 5088
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 aggggtcaagg tcancagtat gggggctata gaccaacaca gncaggancca ncccanncan 120
 ccccgagcaga ggccttatgg ngtagcagca gggacagtat ggaaattacc agcagtgaaa 180
 antgtcctta cattccaata gccagtagct attagcagnc acgtttgtcac 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

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<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

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<210> 5090
<211> 561
<212> DNA
<213> Mus musculus

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<220>
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<222> (403)..(403)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

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<220>

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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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 atgatacatt caattagttt tttaaaaatc caaagttgca gatgtatgtg gatatgtaca 120
 tagacttttg catgtatata tacacatata tatctttgcc tagagtttgt caggttatgt 180
 atagaatttc tattaaaaag ttttaataat ggacaagcaa tataggattg aagtatttat 240
 ctcttttggt taaaattttg tatgtttacca agttttttaa acagtaagcc aaatactatg 300
 tggtagcatt ggctgttatt acacctgaaa aatgttaa atggtgtcact tgttacgttt 360
 gaaaatgatg cataactgac gtgtggtgag agattttacc agctactgtt tcactacatt 420
 ttagtcaaaa caaagtttgt tcttaatctt tgggtataaag tgttgtagag aaggccaagt 480
 cacaaagtaa aggggtgaagg gggaattctg acattccaca ctaacataac ac 532

<210> 5092
 <211> 577
 <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> (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 atcgggtggga tgctgctcac ttgtgcagtc atgttcctcg 420
 tggtagagta cctgancatn gagccagctg taccagcac tggacagcct tcccattgtg 480
 tgcgcatgtg caagcaagaa gtgggctggg aggccctttt gaaatgtatg ccttaactgt 540
 gaagacacct nctccctca 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 ttggggggct tgagatagag gggcagcctc 240
 tgccctacca ttggttacgt tctggcacag ccctttccca gtccggcatc cttttcatag 300
 ccctggatcc gttggaaggt ttacctaatg taactgcaaa aggcttgaac tgaaataggt 360
 tgtgttgtcc acttagatgt tccccat ttt 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 tgcattgttg agatcccca 240
 ggactaggcc agccccagg agagccgccg ccagacggaa agcatcacgc ggtgctccag 300
 ctctttggga gccccgtca aaactgggag gccacattca gctggtgtgg ggcctcagtg 360
 ctatctcagc cctgacctg tcccagcaga tctacagggc acagagggag aggaaatagc 420
 tgttcccttc tttccctcag ctctccccc tcccgatagc atcagcatgg tatcaggtac 480
 atactgttcc cattaacagc agtttcatga aacatttgca tagaattcac ggggtaaatt 540
 aggctgtac tcagatggca t 561

<210> 5095
 <211> 387
 <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> (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> (272)..(272)
 <223> n is a, c, g, or t

<400> 5095
 gtgtcatttg caaccagat gtaaaactct aatgatttgg ccatgaggcg ctgctattat 60

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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
tttttttttn aggattagtg tgattttttt tnttgcttct tttctatttc tttcttgttt 300
ttctttctcc cccccccccc cttcagttaa ctacttttta attgcaattc taggtaattg 360
tgcacgtgga tgtgattgct tggctat 387

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<210> 5096
<211> 362
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (71)..(76)
<223> n is a, c, g, or t

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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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<220>
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<222> (86)..(90)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (92)..(107)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (109)..(114)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (116)..(116)

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (118)..(120)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (229)..(229)

<223> n is a, c, g, or t

<400> 5096

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gacctgagna nnnnnngann cnnccnnnnn gnnnnnnnnn nnnnnntnn nnnncnannn	120
gtcgggtctag ttttgatttt tccctccacg ctgatttcag cataaaccaa tgctttcttc	180
ctctttgccc ttgacagcat ctgtggaacc ctccactctg tggaccagna cctcaatatc	240
aaactaaccg acatcagtgt cacagaccct gagaaatacc ctcacatgtt atcagtcag	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

<210> 5098

<211> 263

<212> DNA

<213> Mus musculus

<400> 5098

gctggccaag tttgccgaag atgaccgcat tgagctcatg aatgccaga aacagcgaat	60
gaagcagctg gagcaciaaac gcgccgtgga gaaactcatt gaagaacgcc ggagccagtt	120
cctcgcagac aaacaacgtg agctggagga attgcaacta cagcaaaggc ggcagggctg	180
catcaatgag attattgaag aagagaggct gagactcctc aaagaacatg ctgcaaagtt	240

actaggctat ctccccaag gag

263

<210> 5099
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 5099
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 taaaatttgc atttgacttc acagagaata agccacccat ctgcctgcca acctaaaaca 120
 ttcttggtag gtagaagcta gacatgaagg taaagaaaaa gaaaagctgt taatacagga 180
 aacagttgca tgtagtaaca ctaatagatt taaaaataat tcaacagtaa accactgaaa 240
 aaccatatat actcaagatg ggcatctttt gtattaaga 279

<210> 5100
 <211> 490
 <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> (330)..(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> (361)..(361)
 <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> (444)..(444)
 <223> n is a, c, g, or t

<400> 5100

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tgagcctcct gacactcaaa gagatacctc ctggggctga cttcagcaat gacctgatgc      60
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acgaaggagt caaaactggg gagcacatgc ctagcctcag gctggggcag cattacaccc      180
acgaaatggc aaaagccaga tgatctccag tgtgtgttcc tcaagctcct gcctattaag      240
aactgtatag aaaaccacaa tgtgaagggtg acagatgtca tgctgtgtgc aggagagatg      300
agtggaggca aaaacatttg caagggtgan tccggaggcc cattnatctg tgatagtgtt      360
ntccaaggta tcacatcaac aggccctata ccatgcggtg aacctggtgt accanccatg      420
tacaccaacc ttattaagtt caantcctgg ataaaagata ctatgacgaa aaattcctga      480
gtgtcacatt                                     490

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<210> 5101
<211> 392
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (311)..(311)
 <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> (365)..(365)
 <223> n is a, c, g, or t

<400> 5101
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 gggtggcaga gcggtacaac acaaatttga gaggaagat 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

<210> 5102
 <211> 431
 <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> (285)..(285)
 <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)..(327)
 <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> (335)..(335)
 <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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 gggagctgcg ggcagcgggc gtggagcagc tcatgtacgt caaggaggat ctcacacctgc 180
 cgcactatca caccttctac gacttcatcg tggccaaagc ccggggcaag agcggcccgc 240
 tcttcagctt cgacgtgcac gacgatgtgc ggctgctgag cgatnccacg atggagaaaag 300
 atgagtcaca cncgngcaag gtggtntntn ncagntggta cgagaagaac aagcacntnt 360
 tccctgccaan ccgctgggag ccctacgacc ccgagaagaa gtgggacagg tacaccatcc 420
 ggtgatgcca a 431

<210> 5103
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 <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

<220>
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 <222> (467)..(467)
 <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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 aaaaagtaac cagaagtgct ttttatttca aagttcttga agtaaaagag taaaactctt 180
 gtccttttgct aacagccgtg tctgcagtaa aacaatgaag gagcctgcgt gtttcctaag 240
 tgtggagagg atctgcggga atgtggaaca gctttccttg cctactggaa ccacaaacaa 300
 gcacacaatg ggactntctg agnncctgac aaagtgaacg caagtacanc caagcacaca 360
 tggatgaactg tcagggaaca caagcacttt atggcgtcaa ctttcaagga acatatttta 420
 tatggatttt gaagantctt gtttgctgat aagaacttca agaagtntaa gcttggcttt 480
 gattntcttg tattccttat attcctcaag caccggaaca cgat 524

<210> 5104
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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> (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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 <222> (378)..(378)
 <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> (437)..(437)
 <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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 ggtccattcg gagcataact gagtttttga agttcatgga aggaccctc atcgacggct 120
 tgtactggga ctcgtggtat ggcancaaac agctgtacag tgtgaagaac agcagccgca 180
 tctactacga gaacgttctt ctcggcaccc ccagagtgcg gcaactgcga gtccgaaaca 240
 acatttgcaa ggtctacca gctttccagt ccttggtcag cgactgctac agcaagtaca 300
 cagtggaaaa cgaagacttc tctgattttg gcctcaaacg caatccagaa tggacgcaca 360
 caccttcttc ccnactncc ccatgncact gggggtttgt tggcgtatac cgagatggag 420
 gatatatagt cacgttntca aaatcaaaat ctgaaaccaa agccaaattt gttgaccttc 480
 gactgaacaa ctggattagc agaggcacca gggctgtttt tattgatttn tcctgtaca 540
 atgctaattgt caacctgttt tgcata 567

<210> 5105

<211> 486
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (325)..(325)
 <223> n is a, c, g, or t

<400> 5105
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 ggacgttctc ctacagcgca cacacgacga gattgctctc ctgcactgct tcctctggcc 120
 ggtgggtggcg tttgtggtgg gtgttctcat cgtgggtcctg accatctgtg ccaagagcct 180
 ggcggtcaag gcggaagcca tgaagaaacg caagttctct taacggggag gaggaggatt 240
 gtgggaagcc gagaccagag gttgcctcgt cggcactcgc ctgccctgca gagcccacat 300
 ttggtggcgc aggagatgga agggncgcga agaggccccc gagaggcccc tccctcgtcg 360
 gcagcagaaa caggcacagt tggaagactg gggggactta actgcctgta ttccatgtgc 420
 tgtagcaacg gctaaagggt caagctctta gctctatgga gtgactaact gtttgggaaa 480
 ccctca 486

<210> 5106
 <211> 551
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (300)..(300)
 <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> (379)..(379)
 <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> (426)..(426)
 <223> n is a, c, g, or t

<220>
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 <222> (435)..(435)
 <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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 cgaagttctt ggcaacccca gggttggaga cttagaatac ttttctgaac attttaaagtg 120
 cagctgtttt agcagaatga catgtaagga gacatctgat gtaaaaaatg tacaagacgt 180
 gaatgtgtgc gtcggtgaca atgtttgtat aaaagccaag gtagaaccca acccagcctt 240
 ctacctccta cctggcaaaa gccttctatt tatgacaaca cttgggtcatg tgctgtaccn 300
 tctgccacaa gatatTTTTTg tttttccacg gaagacacta gtcagtactc cttagttttc 360
 tctaccacaa 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

<220>
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 <222> (273)..(273)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (506)..(506)
 <223> n is a, c, g, or t

<400> 5107
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 aagcagaaac agtccttgcg gcacgaggag ggccatgcc a gacgacaggg gccgaccagc 120


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ttgatggagc ttcccaaact gaggctgtcg ggaatgacca aactgtcatc atgttccagc 180
cctgcactgc ggtcagtgtc gggcactgga gcaaattgaa aagtcctgt gctgagaccc 240
ctgaagtgtg ctgctgtgaa caagaagaca ganacgcaga aggacatcaa acctcacctg 300
aaacactatc acctgcccac gatcaacagg aaagggggcg aatactgaac ggcccgccac 360
ccagtcgtcc tcttggagag caagggctgg caccatggca ggcgtaggcc tctgcggctg 420
agagtggatg ggccagaggc tgcccatgc tgggtgtcct cgcactgcgt ggtggccagg 480
acatgctgcc ttgcagcctg tctctntcca caagctggag ccttgcgtgt ttgcagctcc 540
agagcggctg cactgaatgt ttccgtttaa 570

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<210> 5108
<211> 99
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 5108
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tgccagaggc tacacaagaa gattctggag ctggagcgc 99

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<210> 5109
<211> 107
<212> DNA
<213> Mus musculus

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<400> 5109
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aggaaattaa gaaggagccg gagaagccga tcgaccgcga gaagacc 107

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<210> 5110
<211> 537

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<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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<222> (505)..(505)
<223> n is a, c, g, or t

<400> 5110
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gctaggatcc aaagccttga agccacggta gagaaacttc ttaccagcga gagtaagctg 180
aagcaggctg cgctgaccct ggaggtggag cgctccgccc tgctgcagat ggtggaggag 240
ctgcggaggc aaagcgcccg gccagcact ccagagccag actgcaccca gctggagccc 300
acaggcgatt ganccgctgc cagnagagac tgtgcaccat taacactgtc caagccttaa 360
tcaagagaga tggaagtcag aggagagaaa gagagaactt ctcagggagg aaactggctg 420
accagcctgc agatcctttt gagctcagaa cttgggattg gaggacaaaa gtctcagagt 480
tattgttgtt tttggttcta atcctcctcc tttccagtcc tggttgttgt agcttta 537

<210> 5111
<211> 480
<212> DNA
<213> Mus musculus

<220>
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<222> (220)..(220)
<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> (360)..(360)
 <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 cctcccgcc aaaggaaatg 300
 catctttatg tcagaaacac aaagcagtcc aaccaaaggg gttctcatgt atcagcctn 360
 ttctgtaagg gtgccagtg tgacttcagt tgatcctgct gctattccac cttcattaac 420
 agactactca gtaccattcc accacacgcc agtgtcaagc atgtcatcag atttgccagg 480

<210> 5112
 <211> 506
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (57)..(57)
 <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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 <222> (74)..(74)
 <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> (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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 <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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 <222> (416)..(416)
 <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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 angatgagct gccagcagag ttcaaactct atctaccagt tcagaacaag gccaaacaat 180
 aactggatag cagctaaggg gacagactct ggatgtgagt cttagttaa aaggaaacta 240
 catggagacc atgcaaaaac attttaaaat aaatccactg tgctgtggct cgctgaccac 300
 tgtgtccttg tcatggacac cagtgnccat gcacagttgt gttccttgca ttntaagtca 360
 gtggagggaa gcagagcttt gagtgcacac cgagtgttgg ggtttcctgc tgccctncct 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 cagcgtgggtg acattgtgtc attgggtgtct cctaaaaacc 180
 cagaacagaa aatcatthaag agagtgatcg ctcttgaagg agatattgta agaacaattg 240
 gacacaaaaa ccggttggtc aaagtccccc gcggtcacat gtgggttgaa ggcatcatc 300
 atggacacag ttttgatagt aattcttttg gaccggtttc tctgggactc ctgcatgccc 360

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atgccacaca tattttgtgg cctccagagc gctggcagag actggaatct gttcttcctc   420
cagagcgctg tccactccag actggtgaga aataactgca caagagccca ccataggagg   480
agctgaacac accagatgcc tccttctgga gggagatggt ccagtgatgc tgaacacaag   540
acctctgtat                                     550

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<210> 5114
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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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<220>
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<222> (323)..(323)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<220>
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<222> (390)..(390)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<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

<220>
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 <222> (448)..(448)
 <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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 gacagcacat cgcattacta acacatcagc acagataaca ggtcagcgtc ctgccccagc 120
 ctcttcagct acagcgactc ctgttcactc gattccacag tacaagtatg ctgcaggagt 180
 ccagaactcc cagcaacatc ttaatgccc a gctggcgcaa cagcccgctg tttgcataca 240
 gggtnnggaa ccttggactg cttccatggt agtaaccgct cctcaagagc cgaagcaa at 300
 gctgggtgaa aggctattcc ctntcatcca anccatgcac ccgantntgg ctggtaagat 360
 cacgggcatg ttgctggaca ttgataactn ggaaccactt ngtatgcttg aatnctccag 420
 tgtctncggt gttntagggc tgaggaancc gtggccacan tccaagccca ccaagttaaa 480
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<210> 5115
 <211> 542
 <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> (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> (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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 gcacatcagg gagaccctct ttccaggtag atcttcagga angngnctgg agagatgctg 180
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 ggcctcccca ttctgtgtgt gggctcagt tggaagagct gggagctcct gaaggaaggc 300
 tttctcctgg cgctgacgct gggccgagag cagcaggcac agaactcctt ctccagcttc 360
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 attggatacc accttcccat ggactacagt atcaatgcca ttgccttcta ttcctatacc 480
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 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 cgcacgttct tctgtcagt gcagtcctgt 120
 ctccagatgg gggttatatct caaccagctg ctgtccactc ctctgccaga gccaaacctt 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 atacttaca actttccagg 120
ggactcacag aagaaaagaa ctatggatta aaagctgcag aggcctcctc acttccgtca 180
tcgattgtct tggatgccag agacatcaca acacaaatta caaggcaaatt ttgcaaaat 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

<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>
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 <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

<400> 5118
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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 atgaagancc 300
 acantcaaca tcnttcccc gggnccgtgc ttagtggaca actgaacaca gaggggtgatg 360
 ggggtgcagac atcactgggt ggactgaaat ccagggtgac ccataatct 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 ggcagtggtc ccagggtcgc ctacgcatct gcctcagact ccttcgtctt 180
 gtctggctng tgtccacttt tcctaaagta acccaccccc aacacactac tgtagcacc 240
 tctcaagggt gcttttggtg ttcaagggtc ccctagttct cagactagtg cagtccttgc 300

```

cctcagcccc agaccagaga tgggcagtct ataccacggg gtgggtgatg ccagtagata    360
gtgtgagaag ggggtctccag gaaagagaca ggctgcttgg acacagcctg ggtggccgag    420
ggcaggggtcc tcaccctcta gcatcagtgc ctgctcttgc ctgacctggc cctggggctc    480
caccactact tcctctcccc tgggaccgga tgtatgtgtt ctgtt                    525

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<210> 5120
<211> 561
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (520)..(520)
<223> n is a, c, g, or t

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<400> 5120
cacgctccaa gaacctaaact ggtgagtgcaggacctcat ctaccgcatt ctacagccag    60
atgtcaaccg gcggctgcac attgatgaga tccttagcca ctcatggcta cagcccccca    120
agcccaaagc catgtcttct gcctccttca agagggaggg ggaaggcaag tatcgagctg    180
attgcaagtt ggatactcga ccaggctcca gacccgaaca ccggcctgac cacaagctgg    240
cgaccaaacc ccagcaacgg atgctggtga caccgagaa tgaagacagg atggaagaca    300

```

```

ggctggctga ganttcaga 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 gaccaccaa t                                     561

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<210> 5121
<211> 360
<212> DNA
<213> Mus musculus

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<220>
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<222> (328)..(328)
<223> n is a, c, g, or t

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<400> 5121
agagataact agtcctgtt tcgagcccaa cagccagatg gtgaagtgtg acccacgtca   60
tggcaaatac atggcctgct gcatgctcta ccgcggtgat gtggtacca aggacgtgaa   120
tgtcgccatt gctgccatca agaccaagag aactattcag tttgttgact ggtgtccac   180
aggtttcaag gtgggcatca actaccagcc acctactgtc gtgccaggag gggacctggc   240
caaagtccag cgagccgtgt gcatgctgag caacaccaca gcaatcgag aggcctgggc   300
ccgccttgac cataagtttg acctcatnta cgccaagcgg gcctttgtac attggtatgt   360

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<210> 5122
<211> 549
<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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<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

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<220>
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<222> (448)..(448)
<223> n is a, c, g, or t

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<220>

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<222> (523)..(523)

<223> n is a, c, g, or t

<400> 5122

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gttggagcca tgtagacttc agtcagaacc ttgaccttta acacatggag acagtaacca      60
accgggggaa agttgagtgt gacctggagg tatctcaaag gaaggaacca gatcactttc      120
ttatgttgct ggttgcaacc ccgtgtgggg cttnattacc gtaagtgaca gtcacaagat      180
atntaggaac actacaagct ttctgcatat ccagggaacca aaacctcaga attcaacagg      240
ttctaggagc ttctggcagc tcttacctat gatgcaactg tgtgacttca ctgcagcctt      300
cctcagaaca caccatcacc acacacaggg ccagacctnc tctgctcagg gtcggcgttg      360
ttgtctatga caaattgcat ggctttctac agtacacatg ctttctgttc ttccggaagc      420
gttgctcacg gagctttcct gttctcgntc ttctagttca gctgcagact ctgttggtgtg      480
tctcagtggg attttgacca tcctcattac tcccctttac agnaagtgtt ccacggcact      540
actgtgcaa                                     549

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<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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attcctgtac ctactatgag tgtcattatc ctccttgtac ggtgattgaa aagcagcttc      60
gagagttcaa catctgtggg cgttgccagg tggctcgata ctgtggctct cagtgccagc      120
agaaggactg gcctgcccac aagaagcact gtcgggagag gaagcgtccc ttccagcatg      180
agcttgagcc agagcgatga cgggctgaag agctgccact gctgcagggtt caaagtttcc      240
agctcctcat gagcacagcg gaagacagac tgtcagttga acctggaggt gccaaagaag      300
ccancaatgg atccagagca gctgccataa gacctcacag                                     340

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<210> 5124

<211> 401

<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> (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>
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 <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 gagggctctg agctagtagc tgacagcaat gtggtgttgg acacggccat 240
 gcgtggtggc cgcttgggtg tcttctgctt ctccaagag aacatnatnt gggctaacct 300
 gcgctaccgt tgcaatgata caatccctga ggactacgag agtcaccggc tgcagagagt 360
 ntagggacca gtgggggtccc 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
 ttctttttaa taccaaatag agtgaggaga gtggatgtca gcagccacag tggttaccag 240
 aacaagtctt cactgagggg tggcagagcc caaattgccca caccttgttt aatttntgct 300
 gaatccatt ttgagctgag agcccagggt ttagttctgt tattttgaaa tgtttgaaaa 360
 gttttttttt tggacttgac atttttttta aagtgtattc ttggttagtg ttgaatatat 420
 acantcccca ggataggtta taggttgtgc ctntgntctt tgtccttgta ttcttttata 480
 tgaatccctg ga 492

<210> 5126
 <211> 473
 <212> DNA
 <213> Mus musculus

<220>
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 <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> (260)..(260)
 <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> (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
 aatcaccttg attatcctcc gaactgtacc tcataattta cattcactgg gcatagctgt 60
 gacctataca actttgagat tatttggatn catccctggg ccactgcttt ttcaattaac 120
 agcaagtcnt tcttgtatnt actgggacat aaataaatgt ggagacaaag gacgttggtg 180
 gatctataat aagttaaaaa tgatgttcat actgatggga ttctgtatnt ttgcaaatt 240
 ggccacaacc ttctttactn tcttggcatt ttttaaataa aatgtttcca gagttggaag 300
 caagaatgca aagaaaagaa gcaaaaaata aaaaataaaa gaggcacaaa ataaaaaata 360
 attattaant gattttcttc ttggnctcct gaantctgag ggaaaggatt tgatggagac 420
 ntcccatnta aaggactgga gagcctgtga ttgccaggt 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
 acatgtcgat ggcagtctac ttgaccgtg atgacgtggc ccaggagaac ttcaagcggt 60
 tcttcttgac caagtcacac aactgccaga ccagtgcaga gatgttcatg cacctgcaga 120
 ataagcgtag aggctgcac tcccttcagg acatcgcgag accagaacgt gacagctggc 180
 acgggggatt tcaagccatg gaatgtgcct tccacatgga gatgctgac aaccagagcc 240
 tgctcaacat gcacgaagtg gccaaaggaga aaggcgaccc ccacctntgc catttcctgg 300
 agcaaaaactg cctagatcag caggctcgaca tttt 334

<210> 5128
 <211> 500
 <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> (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> (370)..(370)
 <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> (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
 gaatgagccc ggcaatccct ttggcagcgt gccacatgat ggagaagaca ccttaagtga 60
 aattcaagga aaagacgccca tgacctctga caccttagcg aagaaactcg cagcccctga 120
 cactttggga accagttatc aggggtgagga gcaagaaagc agcgggtgcgc atagcagcaa 180
 attcttcctg gacaaacaag aaaggcaacg gcaatttgag ttgaaaagga agttacacta 240
 caacgaagga ttaaacaatca aattggccag acaactgata tcggaggagc tacaatctga 300


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agtagaggaa gatgaaaacc aaccatntnt acattcaa at tattgaagaa aagantacta 360
cagaagaagn tccgacaatt gaanatntag aaatttacca tcaaacacat ataagatctg 420
ctgttgccgc tgcctttgcn tctgtttttg tctataccac cactgcttnt tgcttcttag 480
aaccatggc cttagtgtga 500

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<210> 5129
<211> 535
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

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<400> 5129
atcactggat atcagctgcc tgtttataac taccagatgc caccgcagtg gcctgctgga 60
gagcagagga gttatgttat acctccggct tatacaactg ttaantacca ctgcagtga 120
gttgatccag gagctgatat ttgcccgaat gaatgttcag ttcattgatgc tgctccagct 180
tctggaaatg gcccgcacaaa gaagtctgtg gaccgaagca tacagacagt ggtctcttgt 240
ctgtttaacc ctgagaacag actgagaaac tctcttggtta ctcaagatga ctacttcaag 300
gataaaagag tacatcactt cagaagaagt cgggcagctgc ttaaactctga tcatctctgc 360
taactcatct caggggggttg ttgggtttga atattaaaag aaactgaaaa gttttcaata 420
ctatagaaaa ttgacaaat cactcagact ttctataaaa gttatattag attgcatagt 480
tttatgttaa acttggttaga tgtttatata gaaactgggtt ttgtgttcat catat 535

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<210> 5130
<211> 333
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (78)..(78)
<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

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<400> 5130
tggaacagca ccttgctacc taaaacaatt ggctgaacat caatctgacc tgccagggac      60
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

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<210> 5131
<211> 529
<212> DNA
<213> Mus musculus

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<220>
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<222> (53)..(53)
<223> n is a, c, g, or t

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<220>
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<222> (55)..(56)
<223> n is a, c, g, or t

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<220>
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<222> (60)..(60)
<223> n is a, c, g, or t

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<220>
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<222> (64)..(64)
<223> n is a, c, g, or t

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<220>
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<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
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<222> (131)..(132)
<223> n is a, c, g, or t

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<220>
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<222> (150)..(150)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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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

<220>
<221> misc_feature
<222> (171)..(172)
<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> (383)..(383)
<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> (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> (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

<220>
<221> misc_feature
<222> (433)..(433)
<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> (441)..(446)
 <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>
 <221> misc_feature
 <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 caggggaataa gagctacaga tacatgcctt taaagggctg tttcttaagg 300
 ctgtttacaag 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
 gatgaccggg actattacag cagatcatac agaggaggag gtggtggagg aggtggatgg 60
 agagcagctc aagacagggg tcagatttac agaagacggt caccttctcc ttactacagt 120
 cgtggaggat acaggtcacg ttctcgatca cgatcctact cacctcgtcg ctactaaagc 180

atgaagttga agactttctg aaacctgcc a tagagctggg atattgtttg tggacaatat 240
 tttctattgt ctcctgttta aaaagtgaac agtgcctagt gaagttaggt gacttttaca 300
 ccttttatga tgactacttt tggaggagtt gaaatgctgt tttcattctg catttgtgta 360
 gttcgggtgct ttgttc 376

<210> 5133
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 5133
 tcaggcccaa ccaaacgcta atgaagacta cagagaaggt cttgtgcag 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

<220>
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 <222> (99)..(99)
 <223> n is a, c, g, or t

<400> 5134
 ctggacattt agaatactgt aaccttgctg ccgttctgtt agattgctaa ctacgtcccc 60
 cgtctccaat ttggctctcc ttaggngata ggatttgtn g tttttaaggc aataaacttg 120
 acaacaccag aatccaagtt ttacttgaaa agctcggcag aatacacagt ggtgtg 176

<210> 5135
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 5135
 caggagatca tctcaagcgc gagagaacaa acagatattt tttctgagca gaaagctgaa 60
 acagaaagta tggaagattt ccagaatgtc ttgaagccgt gtagcttatg tgaaaaaagg 120

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cctcgggatg ggaacattat tcatgggaag acgagccatc tgacgacatg tttccactgt 180
gccaggagac tgaagaagtc tggggcttcg tgtcctgctt gtaagaaaga gattcagttg 240
gttattaaag tttttatagc atagttgagt cagtcacaga gaaatactag gaggaccagg 300
tcatttatca aaaaaatcag tattctttaga ggcagggggca gaagatcacc aattttgatg 360
ccagtctggg ccatataat 379

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<210> 5136
<211> 253
<212> DNA
<213> Mus musculus

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<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (224)..(224)
 <223> n is a, c, g, or t

<400> 5136
 gaaagcagag ggattcagag atcatncaac aaaagcagaa gatanccaat gagaagaaat 60
 ntatgcagac aacagaaaaa tgatgactgg ctttttggaa aacctgggtg ctattgccag 120
 tgggtgcntc atacgntcta agattaaaat ttcacagtga ctaatcatta tatgtgttat 180
 aacttntcct tataaaaacta ttttaaactt tantnttcag cctntcttaa tgtgatgttt 240
 taagaccatc aaa 253

<210> 5137
 <211> 380
 <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> (195)..(195)
 <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> (246)..(246)
 <223> n is a, c, g, or t

<220>
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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

<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

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 gcgtgggagg ctgcccagcg ggaccagtcc gccgagacgt agcggggcgcc tgaggtctgg 120
 aagcccaggg tgccctccag ctcttttgtc ctccaaggtg gaaatcaaag agaaattncc 180
 cgacagaaaa acatngaaaa ngaccagga 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 ggtcgtgtc ttccagtctc cggccgggtg 120
 acagcatggc ccgtggaaat caaagagaaa ttgcccagca gaaaaacatg aaaaagaccc 180
 aggaaattag caaagggaaa agaaaagagg acagcttgac tgcctctcag agaaagcaga 240
 gggattcaga gatcatgcaa caaaagcaga agatagccaa tgagaagaaa tctatgcaga 300
 caacagaaaa atgatgactg gctttttgga aaacctgggt gctattgcca gtgggtgcat 360
 catagctctt aagattaaaa tttcacagtg actaatcatt atatgtgtta taacttgtcc 420
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<210> 5139
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 <213> Mus musculus

<220>

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 <222> (42)..(42)
 <223> n is a, c, g, or t

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 tctctccac cccactgcag gccaggctgc tgttgccctcc tgcggcgggc ggggctcctc 180
 ctaagcacc aggagttccc tcttaggctc ttggcctcac atcaaagcct agaatacata 240
 tgtgta 246

<210> 5140
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 5140
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 aagccagaag gtggcctcac tcctcatcga ggctggggct gacgtgaaca tcaaggacaa 180
 agatggaaag acgcctctca tggctcgtgt cttaaataat cacgaacagc tagttcagct 240
 acttcttgat aaaggggcag atgcaactgt gaaaaatgag tttggcaaag gtgtcctaga 300
 aatggccaga gtttttgaca gacagaatgt actttcctta ctgga 345

<210> 5141
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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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 <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

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<220>
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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

<220>
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 <222> (431)..(431)
 <223> n is a, c, g, or t

<220>
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 <222> (445)..(445)
 <223> n is a, c, g, or t

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 gtgaagcagc agcaagtcaa ccagcagnng aganagttaa accaccatat gaaggggctg 180
 aaccctcata tgagacagtt aaaccaccgg atgaatgggc taaccctag ataaagaaca 240
 aaaggattaa accaccagat gaggaataag agactaaatc ataagacaag aaagaagagg 300
 ctaaaccatc caatgagaaa agaggctaag cccatccatc atatgagant agcagctcct 360
 tgtcaacagc ttcantttctt caanttcaac caacacagaa tagaaaaatc taatgagttt 420
 tcaaaataat nttaagatt 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
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 gtatcagaaa agaaggagac cgcattctgga gatgttgata gcttctataa ctttgctgag 120
 atccagatgg ggatatgaag cggattgtgg tattaagccc cttccatcct ttatatacag 180
 acagtttgat aatatcctta catatgttag tcatttagca attagtaatt ttactaatg 240
 ctataattgt taaaagctat ttttaaataa ctctttgaat accatattat ttacttgagt 300
 atctaaaata attcatttaa attgagtagt tttaatcata aactatttaa cttgcttcag 360
 taagcttgca gttttatttc tttcataca atantcttat taggaaataa tcatgatttt 420
 attcctaatt aaaagttctt tcatatctct ggtaatttaa actttccaac ttaccttagt 480
 gctcta 486

<210> 5143
 <211> 475
 <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> (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 gtgacttttag tccttttaaaa 180
gcaaatgtta gcagttgcga ctccancact ttctgtccca ctcaaagtca caaaatccac 240
tttagagaag tggcttactg tcacttgaga tgaaattcaa cacttaatgt ctatgagatc 300
attattagtt tattaattta gagccctaaa ggagntactt tttctaatat ttagtgtgac 360
tttgtcttnt acattgcttg taagcaataa aactgtatga aacaaattca ccctgctttt 420
gtatttgaat tgtccccac cccaactttt tgttttctgc tttatttctt tactc 475

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<210> 5144
<211> 471
<212> DNA
<213> Mus musculus

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<400> 5144
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tgccccctca cagctcacta tggagccacc ttgaaccctg atcctgactg cagccgcatt 120
ttcatggtca tgtcctgcta cccagaggcc tttcgtctcc ctgttctggt acccagcttc 180
ccaatcagca gccagagctc aacatgccac accttgctgc accctgagtt acccctggct 240
ctgagacaag ctagcttggt ctactgaagg gtcacccac cctagcacac ccaatccacg 300
ccatctgtta ccttcacct gtctgtgtgc caagcctagc actcctgctg cttccatgtc 360
ccaagggccc tgtcttagtt ctgggaggat cacacctgtc cctacacacc ctgttacaca 420
ctcacacagt tacctcccag gcagccagat gaactccagg ccatggcagg t 471

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<210> 5145
<211> 511
<212> DNA
<213> Mus musculus

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<220>
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<222> (461)..(461)
<223> n is a, c, g, or t

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<400> 5145
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gcggggcaga gagatcccgt ggccgggaga gacgtggtag gggcaccagt cccagagggg 120
gaggccccct catcctactg gatctcaatg atgagaacag caaccagagt ttccattctg 180
aaggttcatt gcaaaagggt gctgagccca gccctggggg gacgccccag cccagccgcc 240

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ctggatcacc aactggaccc ccagaagtga ttactgaaga tactcagccc ccacaattgg 300
gtcaggagag agatccaggg gggacacctg caggcggtac tgatgaaccc ccaaagctga 360
ccaaggagga gcctgttcca gaattgctag aagctgaggc cccgaagct taccctgtct 420
ttgagccagt gccatctgtc cctgaggcag cccaggggtga ncacagagga ctcggagggc 480
gccccccac tcaagcgcac ctgtccaaat g 511

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<210> 5146
<211> 476
<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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<400> 5146
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gccagagaat gnnagcaatc aaacagatac acgagcagtt cataaagagt ttggaagatg 120
tggaagaaagaa taatgataat ctattttactg gcacacaaaag tgaacttaaa aaagaaatgg 180
ctatgtttgca aaaaaaagtt atgatggaaa ctcagcagca agagatggca aatgttcgaa 240
agtctctttca atccatgtta ttctgatgag tctttgaaga aagaacttga acctatgtaa 300
tatgatacaa ttaaaacatt agctaagagg catgccttta gtaaattata gtttaaacta 360
taatatccga aatcattagc ttattttaagt ggaagatttt tgttcctggt aacctaaaac 420
cttataaacc taaactatgt taagtaccag ctattccaat gtatcaaact ttcagg 476

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<210> 5147
<211> 313
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 5147
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tgggtagccg gggcaccgcg gtgaagacgc agacatgcca gaaggcacag gtgcgcacgt    120
tcacgcgcct cagcgacctg tgcgccatct gcctggacga ctacgaggag ggggaacggc    180
tcaagatcct gccttgcgca catgcgtacc actgtcgtcg catcgacccc tggttctcgc    240
gcgccngag cnttcatgcc ccctgtgcaa acagtcagtg gccagcactc acgacggttc    300
cacggacggc agc                                                                313

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<210> 5148
<211> 571
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<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

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<220>
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<223> n is a, c, g, or t

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<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
cctgaagggtg gcaaggatgc ctgctttggt gactcgggag gacccttggc ctgcgaccag    300
gatacggtgt ggtatcaggt tggagttgtg agctggggaa taggctgtgg tcgccccaat    360

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cgccctggag tctataccaa catcagtcac cactacaact ggatccagtc aaccatgac 420
cgcaatgggc tgctcaggcc tgaccagtc ccnttgctac tgtttctnan tctggcctgn 480
gcttctcttt tgctgaggcc tgcctgagcc cacacgtgta cgtcacacct gtgaggtcag 540
ggtgtgtctc ttttgatatc tgcttgctaa t 571

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<210> 5149
<211> 447
<212> DNA
<213> Mus musculus

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<220>
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<222> (67)..(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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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> 5149

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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 caggttttaa tatttnataa 360

gaatgaagtt tttttttttn tcctgctgag atggaantca attntgttta agtggttgaca 420

tgtttccaca cgtgcattta ataaaaat 447

<210> 5150

<211> 470

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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

<220>

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<222> (409)..(409)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (426)..(426)

<223> n is a, c, g, or t

<220>

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<222> (433)..(433)

<223> n is a, c, g, or t

<400> 5150

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gatgaagcca taaagttgga aacatcaaac agaantntaa agaagaaaat aaaagtnann 120

nannnnnana tnnngcagct cttactaagg agtaagatca gcgaggagga aaggcaacga 180

acatctggat cggcgatgga gatgctgntt cttatcatct gtcccactgg agcgtcagtg 240

tggaacgtgc tccatcctcg gcttnttnna tcgatgtntc ctncaggtga ctccttccac 300

tttatangtn tanacatata ctttatatnc agttnatntt ttattctgta actttngaac 360

tggaacnaac aggttttaaat atttnataag aatgaagttt tttttttnt cctgctgaga 420

tggaantcaa ttntgttttaa gtgttgacat gtttccacac gtgcatttaa

470

<210> 5151
 <211> 467
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (182)..(182)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (308)..(308)
 <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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 <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> (401)..(401)
 <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> 5151
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60

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tttgatcata aaagaaaaga actggaaaat atgtgtaatc cgatcatcac aaaactgtac 120
cagagcggat gcaccgggcc cacctgtacg ccagggtata ctcccggcag ggctgccaca 180
gnccctacca tcgaggaagt agattagcct tttccagaat tgcagggtgc taggggtgcct 240
ctaggcgaat ttatttcac ttcaaacatc aatatgattc ttgaactgac tggactcaag 300
cctacgtnc a ccatcctttg ggatcccgat ggagaagcct cgaantngac cttttcacac 360
ccccacntn tnatctatga tcctgaactg gacctttagg naaaccaggc ccctntttga 420
gccatttgaa gaatttggat gtctgttatt tattatccac accccac 467

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<210> 5152
<211> 550
<212> DNA
<213> Mus musculus

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<220>
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<222> (360)..(360)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

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<400> 5152
ataagaagtg tgtcagtaag tcaatttgga gaagtcagtg ttcacctaag acatgcaaca 60
tgaaaggtgt gtgcaacaat ttacaccact gccactgcaa ccttgggtgg gaccaccac 120
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actatactga aaagaaacac aagaaaagta ttgggctagt aattcttttt tggattcttt 240
ttgcttgttt ttccgtattg ttcatgtgt tccttttttt cttgaggagt tacgtagaac 300
tacctatgag tgaagaacct aaagtcccca cccagaaaa caaagaagat accaatgaan 360
taatgaacac tgaacagaa taacaacaat ttgtaatttc aaatgtcatt atcaaatntt 420
cctccatttc ccatgttcta ccatgtgttn tcttggtatg tgaaacactg tatgtttctg 480

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 caataaagct 550

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 <212> DNA
 <213> Mus musculus

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 attaggtagg gagacagctt caagcatctc tggatttggt ctgataaacg ggaaggctgc 180
 tcagagtcct gaccttgctg ggcgtggcta caaagaggac ggtagcgtgg cccagagat 240
 gaagcaatct agtaggggct gaatcctaca ggagtattca 280

<210> 5154
 <211> 574
 <212> DNA
 <213> Mus musculus

<400> 5154
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 taattcggct gttacagcca ctggctggct gcattttaaa ccttaaaact tgactatctg 180
 caaaaaagga acagtgtggc tacaagcctg agctttaatg aaatagacat cctcacagag 240
 aagttggaaa taacagaact gaagtcttaa ttaccttca gtttaatctg tggatttatt 300
 gaaatactga cgatcctcag gtccagaatt ccagcatcat ttattctttt aaaataaatt 360
 tttagaact tgatccatct tattcagtac ctcaaatca aagttggcaa atgatggatg 420
 aatgattcaa gcgttgacc cggtagaagc tgaatccatt tgtgaatgga ctgaagtga 480
 cgcgaaatgct gactctatcc tggaagcatt ttataccat cttgaaattt caacaaactg 540
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 <223> n is a, c, g, or t

<220>
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 <222> (136)..(136)
 <223> n is a, c, g, or t

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 catgcaggga ncaggncatg caaggagcaa gcatgcaagg tggaagccag cctggtggct 180
 ttagtcctgg acagagccaa gtcacacccc aggatcatga gaaggctgct ttgattatgc 240
 aggtccttca gctcactgca gaccagatcg ccatgctgcc tcctgagcaa agacagagta 300
 tcctaatttt aaaggaacag atacagaaat ccactggggc accttgaaag gttctcaaaa 360
 tagctggcaa caaatctgga aatgtaattc cataacattt ttgaaatttt gaaaacataa 420
 tgacgtctgc atccgaacct ccccgatga ggcagatggc gccagggtgga ggtcttacat 480
 cgccattgct ccaaaggaa 499

<210> 5156
 <211> 557
 <212> DNA
 <213> Mus musculus

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 agatacacia agttctgggg atggatccat taccacaaat gaatcagcgc tttaacatcc 180
 acaacaacag gaaacgaaga agggatagtg atggagtgga tggatttgaa gctgagggga 240
 agaaagacia aaaggattat gataactttt aaaaagtgtg tgtaaattct cagtgttaca 300
 gtaggtgccg gtttattggc tgttttccat tcatattaat ctctacttta aaagtttatc 360
 aagagtataa agagtttcat gggaagaacc aagtttttct atgattaaaa acttattgta 420
 cagtgtcagg tattatatgg atggaaagaa agagatttga ctagggggaa tatattggtc 480
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557

<210> 5157
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 <212> DNA
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 <222> (209)..(210)
 <223> n is a, c, g, or t

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 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>
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 <222> (461)..(461)
 <223> n is a, c, g, or t

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 aaccttctca atgcctggag gacgccttat ggagccagca tcttccagtc aaaagaatcc 180
 tcatctgtct tgagctgtga catttcagcg gatgacaaat atattgtaac aggctctggt 240
 gacaagaagg ccacagttaa cgaggatcatc tactgaacaa ggactctaac aggcctgtca 300
 aactctggga gagacacca cgtggccctg acagggagat gctggccagg ccccaggagc 360
 ggcagaagga gggagcagca ttgtggggct gccctccaga aggtggagag gacgcacgcc 420
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 gctggcagat gcttcaat 498

<210> 5159
 <211> 521
 <212> DNA
 <213> Mus musculus

<400> 5159
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 aaagaacacg aagatcgatt gagaagttat tagaatggga aaacaatagg ttataccaca 180
 agctgtgctt gcaactggaga ctgagcaaaa ggaaatgtga aacgaacaac atgatggaat 240
 atgtcatcct catagaatct ttaccaaaga caccgatctt tcgaccagat tagcatttgc 300
 tttattttata gagactttcc aagtgtgttg tctttccaat ggtgccttgc ttggtgctct 360
 cctgctgggtg acatgatgct gggtctacag aattgggtgg tgttcttgtt tgttttgttt 420
 tttaaataac cgcatgttct atgtgtgcat atttgtcaaa ctttgcaagt tatttcatac 480
 agatgtttta 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

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 gccctcgaat gcagatgact gctaccagtc taaactgaaa ggagaactga cccccaatct 180
 tcacccctca gaaaccatag cagatggtgt caaatccagc attggcttga atacctggcc 240
 tattataaga gaccttgtgg atgatgtctt cactgtcacc gaagatgaaa tcaagtatgc 300
 aaccagctg gtgtggggga 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

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 <222> (350)..(350)
 <223> n is a, c, g, or t

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 aacgaaggcg tcttcatcat gggcaaaacc attgaatttc acatgggagg agatgtggag 120
 ttaaaagctg aaaacagcat catcctcaac ggcacggtga tggtcagccc tacgcgcttg 180
 cccagttcct ccagcgggga ccagtcaggg agtggtgact ggggtgcgcta caagctctgc 240
 atgtgtgcag atggcacact cttcaaagta caagtaacag gtcacaacat gggctgccag 300
 gtctcagaca acccttgttg gaacactcat tagacggtgc atccgcaggn ctcagcgcgc 360
 tcagatctga cttgaccttc ccccttttaa gaatgcatgt gaaccatgtt tgtacagcgt 420
 ttgccataac ttgtaattat ttacctggg gagcaccact gtgtctatta tgtactctcc 480
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<210> 5162
 <211> 489
 <212> DNA
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 <222> (28)..(28)
 <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> (78)..(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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<221> misc_feature

<222> (164)..(164)

<223> n is a, c, g, or t

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tgacccggtg gatgaagaaa gccctggca cgaggccagc ggangagagc gccaaggcct	180
gggacacgct ggcctcccc agcagcaagc atccagagca cgccttctat gagttcacct	240
tccgcagggtt cttc gatgac aacggctatc ccttcgggtg cccgaagccc tcagagcccg	300
cagagagtgc agaccaggg gatgaggact tggaagggtgc ggccgagggc tgccagccgg	360
tgtacgtgta agcctcagtt aaccacaact cgaggaaacc caaatgaga tttcttttca	420
gaagacaaac tcaagcttag gaatccttca tttttagttc tggtaaattg gcaacaggaa	480
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<210> 5163

<211> 481

<212> DNA

<213> Mus musculus

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<222> (385)..(386)

<223> n is a, c, g, or t

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<222> (411)..(411)

<223> n is a, c, g, or t

<400> 5163

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ttgaagagat ggtggaacgc agggagaaga gggagctacg gctggtgcga gcagccctcc	180
tgaccagca ggcagacagc ccagaggaca gagaacccca acagaagcgg gccacacag	240
atgaaccaca cagcccacag agcaagaagg agagcgtggc aaacacttta ggagcgcgag	300
tgtgacacgg cgaggacttg gcctgccttc cctggcgagg acttggcctg ccttccttg	360
cgaggacttg gcctgccttc cctgnnctgg cggcgctctg ctcacttcct natgaggcag	420

cacaggatgt tgtgactgcc ccgcagcctt caccgaaaca agaccatgtg ccaagctcag 480

g 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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 catctggccc actggctttc agttctgctg ttttaactggt gggaggacaa aattaacggg 180
 accctgaagg aacctggccc gtttatctag atttgtttta gtaaaagaca ttttctcctt 240
 gttgtggaat attacatntc ttttntttt ttatntgnag ctttnttnt ttttcttta 300
 antcttcttg ttggagacat tttaaagaac nccactnnga ggaagcattg attttcatnt 360
 ggcattgacag gagtntcat tttaaaaaat cgggtgttaag ttataattta aactttatnt 420
 gtaaccctaaa ggtntaatgt aaatggattt cctgatatcc tgccatttgt actggtatca 480
 atatttctat gtaaaaaaaaa aaaaaaatc 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 cccccccaca 120
 ccgagaccgc gtttgaagcc tttctgaaga gttacggggc ctctccaag aagtccagtc 180
 cagtgtgaa gaagttagat gaggtgcgcc tgagagggcg aaagcgggcc atggtcgggt 240
 agtg 244

<210> 5166
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 <212> DNA

<213> Mus musculus

<400> 5166

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tttcctatgc acagtgaagt cagaaataaa aactccattt tgagacattc agaatgtccc    180
aacattacga caacattttt tttttttttt tctaattccag tccaggttgg aaagaagtct    240
ccttagtgtc agattaagcc ccatctctta acaatatgga cagatgagtg tgccatggcc    300
atgagctatt tcctaacgca gaaggaattt gttgttactt tttggattgt actcttctag    360
gctggaccga attcatatgc agattgaagt gagacctgct ctttacagat ggtattttga    420
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<210> 5167

<211> 533

<212> DNA

<213> Mus musculus

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<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> (349)..(349)

<223> n is a, c, g, or t

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<222> (392)..(392)

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<223> n is a, c, g, or t

<400> 5167

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ctggtgaagg tgcagcaatg gctgaatatg taaaagccgg gaagcgtatc ccacgaagag      180
gtgaaattgg gttgacaagt gaagagattg cctcatttga atgttcaggt tacgtcatga      240
gtggttagcag 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
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggatttttct gccttagcct cctgagtgct gtgatgacag gcctgtgcta ccatgtgttg 180
 ctgttatgtc tattctcacc aagtntctta acttcgcctc cttccttgcg agctaatacca 240
 gcggctgaca gtgcaggant cccatcaggc atatccacaa tntcttgctn tctnancag 300
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<210> 5169
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 <212> DNA
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<220>
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 <222> (89)..(89)
 <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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 ctgcagtcct gttgccaagg taacaatcac catattccag aatntanttg gcttacctcc 180
 cacctttacc tgtgatatgt catcacccat atataacccc tcccatntnt ntctttntct 240
 tcccccttn tctttctgcc accacgttgc cctntntnt cctaataaac ctntgacagg 300
 tggaactgnt ttggcatggt gtgctatatt tagacacaag ccgctgttct aacacatcaa 360
 caatgggtca gcaacaagtt tccagcccca cgccccagta atggttctgg aatgtcccta 420
 gagatagagg aagataaagg tcacccgccc tggaattccc ttcatgtgct ctaaattctgg 480
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<210> 5170

<211> 561
 <212> DNA
 <213> Mus musculus

<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

<220>
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 <222> (530)..(530)
 <223> n is a, c, g, or t

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 agaccaaggc tctgcaacac caggagaggg ctctcagaat ggaagagaaa gctctgatga 180
 gggatggagt ggcggcggag ctggccgagg ccctgaccaa ggagggggct gctctggaga 240
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 gagaagagca tggggctctc caagatgaag aagttgcctt gcaggaagag gCGAAAATCC 360
 tccaggagtg gaataatntt cttcagggga agatcacaaa caacctccca gggaaaacgc 420
 aaaaccaaga ccCaagaag 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

<400> 5171
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tgtaataacn ntggnantnn ccaatgcttt cnngacnaca ggcctccagn ntgtaactta 240
cagattggat cncggggggg cagcatngac gacgggaaca ctctcagaac tgagtcggct 300
tttgctacaa agcgctgag taagaatgag gacagctggg tgatnntggg ctntttcatn 360
tttctncctt tcatngtnac tttcnttggt gggatcnatg aagagaaacg aaaggaaaat 420
ngtgcctcag ggagaacaca aaatatgagg gccattcatt gcaccagaaa tcggccaagg 480
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ggtccagaag atgaaacgtg ataaaaatcc gccacctgct ggagacctgt ggaactgcc 180

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cgactagtag gccatttcat tcacgttggt gtcatgaggt tgactgctca taagctttat 240
 ttaaacacat ggaaagttgt aaataacctc atttatgtga ttggtggact agtcctttta 300
 ccagcactta aggtgccgcc gccgccgccg ctgctgctat tgttgttgtn gttgctgttt 360
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 <212> DNA
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tccaccaccc cagtgtatag aggaatctaa ggtcccaatt aagaaaccag tagttaatgt    180
tccaagtaca ggaatcccct caacgcctca gaaaccaca acagaaagtg ttccaaatcc    240
aggagaccaa ccaactcctc agaaaccttc cacagttaaa gttccagcaa cccagnatga    300
acctgatacc angacaagaa catctacaga caaaggagng tctaactcag gtgggtgaccg    360
ttatatatat ggatttggtg ctgttattnc aatgattgat agcctaatta tagtcaaaac    420
tntttggact attttaagtc caaacagaag gtctgacttt caaggaaagg agaggaagga    480
tgtntcaaag taagaagaga gcaagaatcc agtntccacc ttttcaacct gtttgggtgt    540
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aatcttctgt atgccaacct catggaaata ttagataaaa agacggattt aagatctaca    180
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<222> (393)..(393)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atctgaagta ttaagttaaa tgaaattgtc catataagac actaaggacc actctgagtt	180
tagaatagcc atttgataaa tattaactca tttttattat tactattata gttgtcggta	240
gtggttgtat tttacatgtg atatcaaaac atcaaagtgt 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

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<222> (360)..(360)

<223> n is a, c, g, or t

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aggctgcagc agggcttcta ggcagaccac acccttctcg tctgagctgt ggtagtagaca	180
gtggtgttga gatggtgtgg ggaaacatct cactccccac agctctgccc tgctgccaag	240
tggtacttgt gtagtggtga cctgggttagt gtgacagtcc cactgtctct gagacacact	300
gccaaactgca ggcttcgatt acccctgtga gcctgctgca tttgctgccc tgcaccaa	360
atgcctaggc cgacgagttc ccagttaagt cgtataacct ggctccagtg tgtacgtcca	420

tgatgcatat cttgtgcata aatgtttgtac aggatatttt atatattata tgtgtctgta	480
gtgtgcattg caatattatg tgagatgtaa gatctgcata tggatgatgg aaccaaccac	540
ccaagtgtca tgccaaataa	560

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 <211> 375
 <212> DNA
 <213> Mus musculus

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ctgcctgcct gcctgagccc ctgagcctta aacttcacct gctccccgac atgctgtgtg	120
acgggtgtggc ttcttcacct ctcccctggg gggcatggca gggctagacc ttgctcatgc	180
ccccacccc ccacttctgc cttcattcct tccaccaccc tgcctctccg gtctcctccc	240
ccacttcctc ctctcccatg tgcctgagtc tcctaaccga agaaaagggg tgagccccaa	300
ggaggctatc tgagaggagg gacctggggg ggggtttacc tcttcacccc caagccatag	360
ggagctctat tggga	375

<210> 5179
 <211> 301
 <212> DNA
 <213> Mus musculus

<400> 5179	
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tctgtggatg gtgcaattca gcaagtagtt agctcagggg gtcagcaagt catcacgata	180
gttacagatg gaatccagct ggggaatttg cactccatac caaccagtgg gatgggtcag	240
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ggcactcaca aactgcagtg tgtcatcttg tgacagcctg aagccctggg catagcaacc	180
gtgaactgcc agcccctggg accagcccac tgcctaactg cactgagaac cacttctaac	240
tacagccctt ggctcttgga ctgggcattg gaagggaaatg agggaggagg gggcagaagc	300
aggccggggc tggctttgct gcctntccca gganacaggg ctacagcttc caaacctttt	360
ntgtgttgac tgagcccagt tcccagtctc ttggtgggct tgtttctttt aactccatag	420
ggctggtttg ctatggaagt gcttaccac atacaacgca ccagacaagc catgagcaag	480
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<210> 5181

<211> 504

<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> 5181

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atcttgata gggacatgag atttcatgag ttgttttcta gtagataaca ggggcattca	180
gatactctgg ttactatatt ctccatctgc catctctaga tcacattgct gttttaaac	240

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agagtatttta tatctaacag ataaggcctt aaatccacaa taatattctg aacaaataaa   300
tagaacttaa tttgcattct catgtgggtc atattaaatt taatgattgg ttatttgatt   360
gcaccttttg tatcttaagc tttcaaaaat ctgctggact tctaatagact tctactntct   420
ttattatttt nccttcctac ctggtgtaga taatggcaaa gcatatacta ttgtacattc   480
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<210> 5182
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 aagtgggtgtg gcccctgcaa aacaattgct cctgttttcc aggcaatgtc tttaaaatac 180
 caaaatgtca cgtttgctca ggtggatgtg gactcatcta aggaattagc tgaacattgt 240
 gacatcacia tgctaccac attccagatg ttcaagtaca cccaaaaggt cactccattc 300
 tcaagactca aaagagtact gtgctgcctc agaagtggac cgaagagcaa gatgattttt 360
 gaatgtnatg gagctgatgc taaacaactg gaaaagaaga ttcaagagct aatgtaaacg 420
 gccacccaaa tatacctgtg acatttccta aagcaggagc taatgntctg tntnttgcac 480
 gccctgcgag ctgttntnta ttggtntntc ctgacgntct ntcggaagaa cgcggcatta 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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 gaagaggata gaagaagaac tagaaactgg ataccttgag agagaagtat caaaagtctt 120
 aagcatggat tctgagagag aaaggagtac gagcctaaat aagatggatg gcttcatcag 180
 taaaggggca ctgaggttca gtaaaagtat ttttcgttcc ctcttgttct ccacgctggt 240
 tttcatcaga ttgctgggat acctgatctt ccatttaagt ttataaatc ccgacctcct 300
 ggtcaacgcg ctgcctaaga tactgagcag ggacgtctnt gtggaagctg agatgtttcn 360
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 cctgagggc 429

<210> 5184
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 <212> DNA
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 tccaggagaa tctgtttgct gagattgtgc tttctggagg taccacaatg tttcccgggc 180
 ttcaggatag actcctgaaa gaactagaag atctggcttt tgagggaacc cctatcaaga 240
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 tga 303

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 <223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagcaaatat gttagatcca cctttcattc ctgataccta 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 tgccttcagt gaggagaggg agccnacaga aactgacca 480

ttcactgtgc agaccacaga gcaagacctt 510

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<211> 553

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 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 ctattcacia 420
 aagttctact gncaaaacct gtgggaaaga gacaagatga agatttcaaa caactggaag 480
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<210> 5187
 <211> 327
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agatacatca agatctgctc ggcattccagg agggctatga gaatgccaat tttggctggt	120
cctgttaggt catctagaat tatatcatgg tgatcagtca agtgaatttg aaaaactttg	180
aggatcatc tgtaacatct ctcatgctca gacttgaaca tctctcatgc ttcagcagaa	240
caccaccccc aatgaggcat gcctatatcc atcctgaaca gattattacc ancagtgact	300
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<211> 597

<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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 actgaggtgg acaggagctg tgctggagcc agatctgcct tggattacat gggaggaagt 120
 gacaaaagcc agaacaaaca gaaccagtga ctgggggaggt aacggtgacc agactgtggt 180
 ataaagtgat acagaggttt gctttcaca aaccactgta caccgtgctt tttttaaaaa 240
 aataacttac tatgaaaaac ttcaagcatt gcaaaagtga gccgtaacat ggtaacagta 300
 cagagtcatt acccagtgtg aacagtcgtg ttctaattggg cagtagtctc tnnntgtcta 360
 gccctangct accccacttc ctgtatgntc aactggatcn tcaagaccat ttcntntcta 420
 gctgcaccac ntgaggctct ctcagctttt gaagaacatt tgcaaagtgt tcataacaat 480
 accatcacgt gcagttaatg gtatntagtc aatgtttata aagtgattag acaatgggaa 540
 atttggagtt tntttgtatg aatcaagatc aaataaagtt cacgcattgc tactgcc 597

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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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<220>
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 <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>
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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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 gtcttcccag agggacgtac cagcgacca gacaatgaca tggaaatgat tatcaatatg 180
 ctgtacaact ccaggtccaa gttgtcagat tatttcaata ttaagcgtgt accatcagag 240
 ctgagagaaa aggcttcnt ncgngaattg ctganttgag aaaaatatta tntgtggatc 300
 aggtagaaat gcaaancctc attaagaagc tgttaagcaa taatatgaaa ntcctaaata 360
 ttnttaatgt cccatgacca aantcatgta agcaaaggac ttgttcacag gnaaataagc 420
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ttgtatgtca tat

493

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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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 tgcaactttt gaaattgatc tcaaagaagc acaaagattt ttgtctcaaa aattctcgtg 120
 cggtgcctca gtgacagggg aggacgagat catcattcag ggagacttca cagatgacat 180
 cattgacgtc attcaggaaa agtggccaga ggtggatgac gacagcattg aagaccttgg 240
 agaagtgaag aagtgatcct gaagtcattg gtttctaact gtgacctgag agctgacacg 300
 gccagcagag gagaggcctt tcagaatata tacatatgta catttgtgtg tatatatacc 360
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 tg 422

<210> 5191
 <211> 525
 <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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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 ggcncagca gcatattgta ccgctatccc tttgnacggc 360

tgaagatntc tgctgatgat ggaatcagaa atctctatct ggattttggt ggcccntgag 420

ggagaactga ctatggacct gcattcttgt ccaaagccnn ngattgtatt tgtattgcac 480

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<210> 5192

<211> 377

<212> DNA

<213> Mus musculus

<220>

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<222> (39)..(39)

<223> n is a, c, g, or t

<220>

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<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>
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 <223> n is a, c, g, or t

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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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 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
 tcaaattgatn aactnaaaaa tgggcatctt tgataattca cctcttttta tagaatcagc 360
 tatattgtct ttaattt 377

<210> 5193
 <211> 525
 <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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 gaccaagaaa ttaaagaaag tctggaccat gctgatggct gcaaagtcag agatggctga 120
 tctccagcag gagcatcaga gggagatcga aggcctcctg gagaacatcc ggcagctcag 180
 ccgggagctc cgtcttcaga tgctcatcat tgataacttc atacctcagg attaccagga 240

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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

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<210> 5194
<211> 364
<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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<220>
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<223> n is a, c, g, or t

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tacaattact atagagtgca gtgagaaagg cgtggacggg aacatgcacg tcaggatggg    120
caagctccac cttgtggatc tggctgggtc agaaagacaa gcaaaaanct ggagccacag    180
gacagcgctt caaggaagct accaaaatca acctttcatt gtctaccctg ggcaacgtta    240
tttctgcctt ggtggatgga aaaannactc acgtgccgta tcggaactcc aaactgaccc    300
gtctcctgca ggactcctta ggagggaact caaaaacat gatgtgtgca aatattgggc    360
cagc                                                                364

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<210> 5195
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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> 5195

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cgagaataacc ctaagtttct aaaacgtttt acttcttatg tccaagaaaa aactgcagga      120
aaaccaatatt tgttttagta ttaacagtga ctgaagcaag gctgcgtgac gttccatggt      180
ggagaaagga gggaaaaaat aaaaagaatc ctctaagctg gaacgtagga tctacagcct      240
tgtctgtggc ccaagaagaa acattgcaat cgtaaagctg ggtatccagc actagccatc      300
tcttgctagg cctcctcgct cnagcgtgta actataaata catgtagaat cacatggata      360
tggtctatatt tttatttgct tgctccttgg agtgaaaaca aataactttg aattacaact      420
aggaattaac cgatgcttta attttgagga acttttttca gaatTTTTTA tttaccatgg      480
tcngcctaa gatcctcagt tgtatcaggt tttgtgcaca aaagaaaagc acaaaagttg      540
aacgcacctg aggcattgtc tctctgtgca ccaa                                575

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<210> 5196

<211> 361

<212> DNA

<213> Mus musculus

<400> 5196

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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

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<210> 5197

<211> 353

<212> DNA

<213> Mus musculus

<400> 5197

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catttgcctt tcttgctaaa ccgttaagta gctggaagat atctggatcc ttctatgccc      60

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tctcaccctgt agggccccctt ctgaagtgcga gaatgattct agcaccatct ctctgctaca	120
agtgattttaa atggcccatg gtatgctata gggacagtca gagttcaccc tggctctgag	180
tggagcagct ttgccaaagc atgcctcaga gaaagtctcc atggcttgag acagagccac	240
ttctccttca gaacagacag tgtgagccca ttgtccctcc tcttagaacc cagatcccct	300
gtagtataga gaggaggaag cgctgccagc tgccttgaa 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 tgggccaac	180
gcttccatca atgtcatcat gcggcctcca gaggatgcag cgctggataa gacctatcaa	240
accagcccc tgtggctcca gctgggccag gttctagaca aaca	284

<210> 5199
 <211> 248
 <212> DNA
 <213> Mus musculus

<400> 5199	
gagatccaat actgccagcg cctgggtggat cagtgtcgcc atcgctgct catggaattt	60
gacatctggt acaatgagtc ttttatgata ccagaggacg ttcaggtagc actgaagcta	120
ggcagcagca tccggccagg aatgggtgcct 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 caggggtcaac 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 gggatatcata 360
ccaggttctg aaaagatcag gagaatcggt gaagtcttaa gagctgatgt aatccagggc 420
ctggggattc aactcttaga gcagggtgttt gatcttttgg gagaggaaga tgagttggag 480
agagaggcac gattacagga gcacatggga gacaagtata caacttactg tgtgaaagct 540
cgccaa 546

<210> 5202
<211> 364
<212> DNA
<213> Mus musculus

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<220>
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<222> (141)..(141)
<223> n is a, c, g, or t

<220>
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<222> (249)..(249)
<223> n is a, c, g, or t

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<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

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cattctctaa tatcaattca ctcttctggg aatagattta aagaacatga ggttntatgt 120

tgcatcctaaa caactgttat ngttttcttt ttacacatca gtggactttt aatattttga 180

tttattctga accttagtga ggctgtcttt agacccttag aactcttggt caacctaacg 240

tatagcttng taagtcactg tgacttgaca tgtttgactt ctttttccca tcagcaaaaa 300

cattctttta aacatgagtt cttttttcaa ttaannagng tctaagtcca ggttcttagt 360

ccta 364

<210> 5203

<211> 455

<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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<223> 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>

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<222> (397)..(398)

<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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ttggcttcct caagcaaagg ttcttttttc tgaagagact cgaaacttga ttctacccta 120

tatttctgac atgaactttg tacaagactt gtgtgaagat ctttatgaac tttttaagac 180

tgacaaagga tttgacanag ctgcttttga aaatcagatg tctgtgatga gaggccagat 240

cttaaaccctc actcaggcac tgagagacng gaagantcct atncagctgg cacagatncc 300

atgtgtgatc gtggagtgc gcaaaagtgg cagccagggc cgtgtggtac acctgggcag 360

ctccttcacc cagacggtcc actgcaggaa accgttnntt ctctnctgg tagcagatgt 420

aaggggaaca actgtgtggt gttactgtgc tgata 455

<210> 5204

<211> 499

<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> (229)..(229)

<223> n is a, c, g, or t

<220>

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<222> (238)..(238)

<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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 <223> n is a, c, g, or t

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 ccaagaaaag ccttgcagcg acaacaacca gatagaagat ctttcttcta ggcctgaggt 120
 acaggttcct gtgaattatg tgtaccgtat actgcaggag gagcaatata cccctgcat 180
 aggggtccaca acttcagatt tccttcttnc catgcttgat tacctcacng actacatnct 240
 ggagntgntg ggctccgaag ccaacatcaa caaccagcaa aatatntcac aagatagaga 300
 gagacagaga gacaacgacc gcgaaccctn tcgaggcttc aagaatgcgc ctttctntct 360
 gtttgacgag atgcctggac ccagaaggaa tggctaaaga atgggggtaca caaccgaagg 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

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gctggtgcgg gaagaggtga ctttcatcta tcagaaactc caggaccagg aggatgagat 120
 ntcagagaat ctctgaata tccagaagat gcagaaaact caggtgaagt gccgcaaggt 180
 tcttaccaag atgaagcagc aggcatacga ttcattggcca gaagccgagg ggggtgcccac 240
 agaaggcaac ggttgctgta aggatgacct ccagaaggag ctgggtgaca tatggtctgc 300
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<210> 5206
 <211> 407
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (362)..(362)
 <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> (369)..(369)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (380)..(380)
 <223> n is a, c, g, or t

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 ggtgattctt gagtgcacag aggtcaactc tgtgggcttc ctggtggctt tcgcacacaa 120
 catcctcctc tccatcagca ctttgtctg cagctacctg ggtaaggaa tgccggagaa 180
 ctataacgaa gccaaatgtg tcaccttcag cctgctcctc cacttcgtat cctggatcgc 240
 tttcttcacc atgtccagca tttaccaggg cagctacctc cccgcggta atgtgctggc 300
 agggctggcc actctgagtg gcggcttcag cggctatttc ctccctaaat gctacgtgat 360
 tntntncnt 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>
 <221> misc_feature
 <222> (272)..(272)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (337)..(337)
 <223> n is a, c, g, or t

<400> 5207
 gaacagattt atcacctcca ggaacaactg aaatgtttcc tgaaggagta aggaaagcct 60
 cagcctggca caccaagtgg attcaccctc cagatgaaga ctgggtggaa ccacatactt 120
 ctgtccctct actttatctt aaacaacttt tatttgttga gcatttttca ctaaagtaaa 180
 tttaaggatc acatttatat aggagacata tatagaggga gttatataaa tgcatagggt 240
 tagagaccca catgggatgt tgttntctt tntcaatttg agattaaatg tgtgtatttc 300
 tttatctctt actctatggt accatgagat cattcanccg tccttgtcaa aggttttaggc 360
 tagaaagata cacagctggt ttacataagt t 391

<210> 5208
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 5208
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 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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 tctgggacttt ggggcaggga gtgtggctcc cggcggtgac gtcactggag acaggtcctc 180
 cctaagggca cccggagtca gttcctgtgg cctgaacatg agcgccccaa gtggtggctg 240
 cgctctctgc agctctgcgg gctgtgttgg aggctttggc tgccttggct cccgtgaatg 300
 ttgaaccctt ccctccggag aagactagaa act 333

<210> 5210
 <211> 413
 <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

<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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 <223> n is a, c, g, or t

<400> 5210
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 agaaagaaaa ctccaggacc cggactgccc acatagataa acacagcaag ttcaaaaagn 120
 tnnnnnnnt nntggatatt gagcagaatt ccaagatggc tgcagccna aggatggagg 180
 agaaaatcca gagacttcag aagcagctta gtgatttgaa attgtcaaac aaaaacatga 240
 agactcaact aacgagaata aatgtcctta aagacaaaac aattgagagg ctcaggcaat 300
 ctgtaacaaa agttgaaacc ttgaaagaga agacagcagc caaacagac aacttgaaaa 360
 ccccatncag atnctgcgga gcaggganca agaccagaaa aggagagggc cca 413

<210> 5211
 <211> 437
 <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> (295)..(295)
 <223> n is a, c, g, or t

<220>
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 <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>
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 <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 gcttntnttc 300
caaatttatg aaatttctaa aagatcaaag atggcttctc actgtgagcc tggtcaggcc 360
aagtgagcaa gatntacctn tatatgcggt taagaagtta tacacagctg tttcctacag 420
caccagaaa 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

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<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 ggcagaaaacg 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 ggttcaagt accaagttca aggctccaca gtacaccatg 120
 gctgcccggg tggagccccc aggggataaa accctgaagc caggaccagg agcccacagc 180
 cctgagaagg tgaccttgaa caagccctgt gctcctactg tcaccttting catcaagcat 240
 tctgactaca tgacaccctt ggttgtcgat gtggaatagc ctntgctntc tgtgactacg 300
 atcctccac agaaatgtgc tg 322

<210> 5214
 <211> 577
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (307)..(307)
 <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> (374)..(374)
 <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> (458)..(458)
 <223> n is a, c, g, or t

<400> 5214
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 ggggagaggc tccttgtggt agaagttgta tctctgaggg agttgccctg cttccgttcc 120
 ccctcccctg atccacacaa ttgagggact ggtgcttgta ccaccccag gtccccctcc 180
 ccccgaggact gaagagccag aggttgcctc tcagccacag gtcctgaagg atgtccatca 240
 tattaagggg aggttgtgga tcagcctggg gttggggcct cagggaagct gggttcatcg 300
 tccctanttg acagttcagt gttcggaagg ttagactcag ncttcatgtg cagggcaaag 360
 acttgtgtat caantcttat gggggatggg tctactggtcc ttcccantt 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

<220>
 <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

<220>
 <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
 aatttctctg cagtatggaa tcctagaaaag agaaaaaaac cctatcaaca ttgttctgac 180
 aatactactt tacccttcga gagtgagaat aatgggttgac cacgagttga ttgacattca 240
 agaagatgcc aagacatggt taatgctatg ttccagagtg ctttctacga tctcagtcag 300
 ggagatagag acacagctga gcttaggacg acgcccatt attcaaaatt ggttggacta 360
 catcccncca acaagataca aggatccntg tgaantnntc cacctttgca gaataaccat 420
 caggacccaa ctgntggcca acaatatgct cccaaatgg 459

<210> 5217
 <211> 288
 <212> DNA
 <213> Mus musculus

<400> 5217
 tttctttttc cctaattgcta ttgttttttaa tgtgggttcgt ttgtgatgtg gtgttcagag 60
 taaaaattga acattgtcac ttcatctctt tagaacacct ggaagtctga attctagtgc 120
 tcagtattca ttatgatgat ttgggtgatc aaacctcagc tccttttagaa 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
 ttctttatatt tgagaatgat ttgggttgctt ttctcttagat ggtttctgct attttctgta 240
 atcatagtcc atctaaacac agcctatntt tcgtgaacan ntgaagtttg taacggaaag 300
 ataggatctc attttcagtg aacttccaga ctagcgact nttcccttcc ctctgtagga 360
 agtagctgtt gccaaagcga agaggtagct ggctcttgta taatgggaaa gtgccgtgtg 420
 gagcttcagg ggtcagtgtt tattatgaca tctgtcagtc cccaaatggg tctatt 476

<210> 5219
 <211> 452
 <212> DNA
 <213> Mus musculus

<400> 5219
 aaggctgcag tcagctgagc acagacacac aactgaggcg tatggggcag gaggaagcct 60
 gtgtgggggc cactctcact cagggcttgt tggtttctgt accagtgttc cttgatacac 120
 ctgagtacag gtttgtcagt taactttact ttctaggaag ctcaacagcc caacttatgt 180
 ttcccttaac ctatTTTTTA ctatgatggc actttgataa aatggccagc aaccagccct 240

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ggccaaaggt tcacatacca cgtcctggag cagctattgt caatgtgggt ttctaaggac 300
ggccatgttc tccttcatgt aagtgcctgt tcagagtctc aaagtttcaa aatgccaaat 360
attttcatgg tcacttgcac gtataatcta ggaaatattc aaggagattt tgaaaaacaa 420
ttgtatttaa ccagcctcaa gttgtgcaac ca 452

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<210> 5220
<211> 553
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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<220>
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<222> (448)..(448)
<223> n is a, c, g, or t

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<220>
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<222> (467)..(467)
<223> n is a, c, g, or t

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<220>
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<222> (509)..(509)
<223> n is a, c, g, or t

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<220>
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<222> (524)..(524)
<223> n is a, c, g, or t

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<400> 5220
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tggttttact gcagtcacag gaatgatcta cttagcagct ctgagtcgtg tccgccttcc 120
agtggcacag ctgcctcggc aggagtgatt tgctcttgat actgaatagc tttatgtact 180

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ctgtaatgta taaagatagt gagggctctc actgttggtt tttaaattct tagactttct 240
aaaataacat tgagganaaa attgctttac tgatcttaag tagtaagttt ttaaataaat 300
gggatctaca ggaagataat aatgaaagta ttataacag tgccgttggt ttatgaaatg 360
catgtttctg gcacttncct cccatgtttt tataacaatt aaaacatccc cttttttaaa 420
cantcattta gggtactagg aagtctgnca gagagattct atgctantca agattattag 480
ggtagatcct ggggttgattt acaaatgtnc catattggca tgtnccttagg tgataacctca 540
aacacagagc ttt 553

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<210> 5221
<211> 306
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<400> 5221
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aagaagaacc cactggctac attcgatttg aaaaatttat tccagtgatg accagagccc 120
ttgtagaaag aagatacaga ccagctgctg aagatatact ttgcgagct ttcgaggttt 180
tggtaccagc taaacgcggg ttctcacta aggatgaact tgtcaagtac atgactgagg 240
aaggtgagcc tttttcccaa gaggaaatgg aagaaatgtt ntctgctgca attgatcccc 300
aatcaa 306

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<210> 5222
<211> 542
<212> DNA
<213> Mus musculus

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<400> 5222
gagcagttta cttcagagca tgtcagcagc aggacagcag atcaaacccc cagaggtgtc 60
ctgaaacgca agaattctggg attgaaagta tgggtgatag atatttgga cctgatgaga 120
gatgagaggt tgaaataaga accatatact aagagataat gagctaattg gggttaaggt 180
ttcagtgttt gaacgtgaac ttctctgag aatcagagag aaaggagctg gagttgtaaa 240
tagcctgaga aatactttga aggggtcaagg ccagagggaa ggagaccagc tggtaggctg 300

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cttcgttggc agtgagagat gggctagggg aagtcaagca caaatcctaa gtgtctggct 360
tgaacacttg gtaaataata atatcagcca ttcagataag atgcccaagg cttaggctaa 420
taggcttgac tgtgggtcatc tccagcttga agagctggta gaagataaaa agatcaagtg 480
gataaataag gggacatctg ctagagacac aggctttgaa gttgttagca cacgggtgttc 540
tg 542

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<210> 5223
<211> 246
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

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<400> 5223
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gttttttaac ggtgacatga agaagatcaa gtncgatcag aaagtgattt attattatgc 120
ggacacacaa acaatgcaca caacctaccc agatggtgtt gaagtgggtgc agtttcctaa 180
caagtggact gaaaaattct acccggatgg ctccaaggaa accgtgtttc ctgatgggac 240
agtga 246

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<210> 5224
<211> 360
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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<400> 5224
ggatttgccc ttggaaactg gctctgcatg gcatactatg agagccacta caacactaca 60

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gccgagaatg tcctggagga tggaagcact gactatggca ttttccagat aaacagtttc 120
acatggtgca gaaatgcaag aaagcatcag aagaatcact gccatgttgc ctgctcagcc 180
ttgatcactg atgacctcac agatgccatt ctctgtgcc aaaaaattgt taaagagaca 240
caagggatga actattggca gggctggaag aagaantgt agaacaaaga catntcagag 300
tggaagagag gatgtgaggt ttcctgatct gcagcaggtg caaggggtgct ttccgtgacc 360

```

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<210> 5225
<211> 495
<212> DNA
<213> Mus musculus

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<400> 5225
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ctctctggga actggttcaa gtaacacttc tgggggtggg ggtctctttt tcacgttaga 120
gaagaaaaga aacactgcaa aggcagggag gactcctgag ctccttgtgt gacttgttac 180
ctacagcaca aaccacgcct acttactaa tgacatcatc cctaatgaca tcatcccggt 240
atatctcctg gaatctctca cagcagccct tgaagttaga tcattattaa ctctagtcac 300
ttacttgaaa gatggttccc gatgctgtga aagattcgaa atgcagttct gctcttgccc 360
tagacaacag ctgctgggtg gtgatgaacc aaggcgcaag tggaacagat ttctcaagac 420
tggagcagtg atgcctgtt atagaagtca attccactca accacagaga aggaaccact 480
aagccacggt gatgt 495

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<210> 5226
<211> 583
<212> DNA
<213> Mus musculus

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<220>
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<222> (141)..(141)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

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<220>
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 <222> (261)..(261)
 <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>
 <221> misc_feature
 <222> (396)..(396)
 <223> n is a, c, g, or t

<400> 5226
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 tcaccatcca ctttctagag tagcttatgg caaaatacat gaagaccaat cagctaacag 120
 aaataaacga ctctgaagag naagagtccc aaattagaag acagagtggc acagggaaca 180
 ttntggaaga caggctctcc ggtgctgccc aagccactga attgctttat gatttttact 240
 ttgtttacct tgtttntatg ntacctgttt gtgcaaattgt ctttgaaaga 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

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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 cctgaagat gagaacttac cctatgaaac atccctccca      420
gtacagtgga ccaaggaact accactaccg c                                     451

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<210> 5228

<211> 422

<212> DNA

<213> Mus musculus

<400> 5228

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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 ctttccagaa      360
acctcagagc tctctgagac actagcaact tataggtagg tagtcgctgt ttgacttttc      420
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<210> 5229

<211> 426

<212> DNA

<213> Mus musculus

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<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> (401)..(401)

<223> n is a, c, g, or t

<400> 5229

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tattcattgc tggaagagtg aataaagggtg gaatcttgat tagaagtgct acaggagtct	180
ttttctggat ttttgcaaat ggctcttaca gagtcacagc tgacctgggt ggatggataa	240
cgtatgcttc aggacatgcg gacgttacag ctaaacgatg gtacacactc accttaggca	300
ttaagggtta tttgccttt ggnatgttga anggcacgat cctatggaaa aacgtccgtg	360
tgaaataccg agggcatggc tgggctgcga tcggaacaca naccttcgag tttgcgcagt	420
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<210> 5230

<211> 459

<212> DNA

<213> Mus musculus

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<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

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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
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<210> 5231
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 <212> DNA
 <213> Mus musculus

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 <222> (29)..(29)
 <223> n is a, c, g, or t

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 agcagccgca cctgaggtag cagccgcacc tgctacacct gccgcacctg aggcaacagc 180
 tgcacctgcc gcacctgagg cagcaactac acctgctgca cctgaggcac cagcagctgc 240
 tccagctgta gaggaggaag aaatggtctg ggaggcggca gcagtcgttg gggaggcagc 300
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<210> 5232
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 <223> 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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 <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

<400> 5232

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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

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aatgactgac ctaggggtca ccgtgaacca accagttttc atgcgcggca aggagcaggc	120
caagcaatcc ctggtcgaag gcattgaagt tcatgacagt gaagatgaat gctttgaagg	180
atcttttggg gtgacaccga taaaacgaat gaagctgaca tcagtgacaa taagttttca	240
taatgtagaa ggaagccttg catctggaga gaatgattgc aacttggcag aaactggtgg	300
cattcaggtc aatgttttga 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

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ctcaggtggg acgatattca cttgccccgg ttctcactaa agcaagggat gatccccgacc	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
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 ttgtccccag ccaagttctc aggacctcca aaactgagaa aaaataggca ggccttctcc 120
 tgtatctcct gggaagtagt ggaggccaca tgtgcctgcc tgctggccca ggggtaggaa 180
 gcagagcagg agcactgttc cccaagcttg gctgagcaga tgatcctgga ggagtttgga 240
 aggtgcctgt cgcagattct ccacatcgag ttcaagtcca aggggctgaa aattgagtag 300
 cgtgcaagct ggtaaagggg aatgcctgtg gcaagcctca gccctgggaa tctgcaccga 360
 ggaagctggt gccagggag gagcagaggc cgcgcatcat ggccaggta gctgtgaggt 420
 ctgagtgate tgcattgtac tggccagcct a 451

<210> 5236
 <211> 361
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (282)..(282)
 <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> 5236
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 aatccggtac aaaaagaata caggaagtt tcaggaagaa gccaccatgt acacagggaa 120
 agcatccaca gtcaccaagg cccggcgtcc caggggtcag agcagctgcc agtccacacc 180
 cagcccaggt ccctgtggcc ccttgccact gaccaatgga agtgacgtgg ttctcactct 240
 gcggaccctg gccttctctc agccccccac tgggggagtc tncctacagc ccctgggtcca 300
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 c 361

<210> 5237
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 <212> DNA
 <213> Mus musculus

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<220>
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<220>
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 <223> n is a, c, g, or t

<400> 5237
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 tcagaaaaag aagttaaaac cagagctgaa gccagtcttc cctatgaaac ggctagatga 180
 tcctaccttc aaggggacaac aatgggttag gttttctacc gacaatgatt tcaacatcga 240
 aggggaagtat tctgaaatct atgctttaag gaaacagaaa aaaatgtatc ctaacctcat 300
 ctttgctcca gcctcccaga gagagacaaa gaaacatggt 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
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 cctccttaag ctcatgtctg cagcaggagg caaagtcctg agtcgcaagc ccaagccaga 120
 cagtgatgtg actcagacca tcaacacggt tgcataccat gccaaagcctg 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

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<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

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ggaagaaaca gatgggcat tgggagtaat tgcagtgcct ggcctagaag gaagaatctt 120
ccatatttct ccagacatga aagaacattt gcaccaactt agagctgcga gacagcaagg 180
cctgagaact ttccccacca ttagtgacag tgcacgtgag acctctgatt ctgactaact 240
gtaatggagt tggtatgttt tgttagtgtt 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

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agaatgcaag agaattctggc 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

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tctatcttga tgatcattat ggccccatcc ctattgtgga ggttatttgg aagtgctacc	120
caatggtgcc tcgtcccatg catcctcaaa tgatgcctct tccacccagg cccctccag	180
gattcagaat gcctccacca tttaggccac ctctctgcc accttttccc tggccacctg	240
taccacctga tgcgcacata cccaatgcag caaggaata taacccttc cccttcccct	300
tcccccttcc ctttcccttc cccaacccat tccccaaccc caaccctaac cccaaccca	360
acccaaccc caacccaac cccaacaaa attttgcagg tcccagatac agatactgaa	420
gtctacatca gttttccaaa agtggttttc 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

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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 aggggtgtggc ttacagagat atttttgaag gagtttactt cccagccatc 300
 tcactgtaca agagctgcac ggtttccatt aactttggac catccttcaa ataccctcca 360
 aaggatctca cgtaccaccc tatgagtgac atgggctggg gcgctgtggg agaacacaca 420
 ctggctgatg ttttgtatca cgtggagaca gaagtggacg gaagacgtan tccaccctgg 480
 gaaccctaac cagtccttgc ttctgggtgac 510

<210> 5243
 <211> 539
 <212> DNA
 <213> Mus musculus

<400> 5243
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 ttgatctaaa gagcaaaggc gggaagggtg gacacggaga gccctctgac cgggcagacg 120
 tggatgatgag tatggccact gatgattttg tcaaaatgtt ttcagggaaa ttaaagccaa 180
 ccatggcatt tatgtcagga aagttgaaga ttaaaggaaa catagcccta gcaatcaa 240
 tggagaagct aatgaccag atgaattcta gactatgaag gacaagaagt aacaatgttg 300
 actctctca gaagtaaaaa gctcagcagt tagaaatctg ttgtctcccc cactgtcatg 360
 taaggacata taagtttgtt ctagaagaa gtagaatttc tgtatctata agatttgaaa 420
 ctgtaactaa aacaactaac caatcacata caagtttaat taagtgcacat cctaataat 480

tgtgggttttt ccaagttttc ctctctatgc ctttatttca ttcattgctt tcttgcaga 539

<210> 5244
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 <212> DNA
 <213> Mus musculus

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 <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

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 tctgtgagtt cacttttgac gctgttgctt aagcgtcctc cacactggag agagaggggtg 120
 cttgttttaa gagaaagcaa gagtcacagt ctgggagaac cccatctcgg accctctttc 180
 cagagaacac ccacattcca cccaggttgc caccctgtgg gaccaggtg agttttatac 240
 tgtccattcc cctggagcag tcaccttcta gcagtaactg aagcaaagga cttggagtac 300
 atggggcagc tggaggctcc tcaactaagc taagtgaact ctttaaccac aagtttacct 360
 tcctcccagag acaaggccac tcatacacag ccagccgna gncagccgca gcgtcaggat 420
 caaaggagac tggcagcagg tgtgaggcca gagaaaac 458

<210> 5245
 <211> 416
 <212> DNA
 <213> Mus musculus

<400> 5245
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 tggccagcaa cttcacgttc ctacagctca tcgtgctctt cagctatatg cagtgggtgt 120
 ggggtgctgt ctggccccgc caccgcttct ctctgcaggt taatatccga caaagggata 180
 actcacacca cggggccccg cgtcggatct cgcgccatca gccaggtcag gaatctacct 240
 agcagtcgga tgtgacggag gatggtgaga gccctgaaga tccctcagga acagagggcc 300
 agctgtctga ggaagagaaa ccagagaagc ggcccctgaa tggagaggag gagcaagagc 360
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<210> 5246
 <211> 484
 <212> DNA
 <213> Mus musculus

<400> 5246
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 agaactagca ggtgacttaa gagagaagaa aaatacccat ggatgaagac tggctctggt 120
 tcctttgggg aaaaaatcta agctcttggt ccacaaattg 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
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 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
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ttgctgagtt	tgactacaca	gctcagcccc	tggaacacct	cccttttgat	cagagtaaag	180
agcgaattac	tatgtacctt	atgaaggctg	acatgatgcc	attcctgtac	tggaatatga	240
tgctcagagg	ctactgggga	gggccagcct	tcttgcgaaa	gctgtttcat	ctgggcatga	300
attaaagatg	gctcacagct	tgcttttctt	ggatggcttc	tggtatcaaaa	tcgcagttac	360
tgattgacat	gacagataca	aaggactcag	aacctcacc	tttaaggagg	ttggacatgg	420
tgacctttct	aggcctctga	atagctatca	tgtggacaac	ccagaacgag	tctttg	476

<210> 5249
 <211> 419
 <212> DNA
 <213> Mus musculus

<400> 5249	
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cgtggataga	agtttctggt tcttcagcca aagatgtggc caagcaactt aaagaacagc 180
agatggtgat	gaggggtcac agagatacct ccatggtcca tgagctgaac aggtacatcc 240
ccacagcagc	tgcccttggg ggtctgtgca tcggtgccct gtcagtacta gcagacttcc 300
ttggggccat	tggtcttggt actggaattc tgcttgagct cactattatt tatcagtatt 360
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<210> 5250
 <211> 251
 <212> DNA
 <213> Mus musculus

<400> 5250	
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tggtcagaca	gcaagacagt gatgtggatt agcttcgcac acaacattca gaacactgaa 180
tattcccttg	tttaaaaata agtgcagtg cagattgccac tttccagtat tttgagcttc 240
cctaattgagt	t 251

<210> 5251
 <211> 561
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (318)..(320)
 <223> n is a, c, g, or t

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 ggatgctgct gttcagacac tgaaggcctg cacctcagcc cagcgccagc ctggcatctc 180
 ttgccacagt cccacctgct tctcggtcc tgcagccatt caccaagtac attcgtagag 240
 ctttttaaaa atattttngt ggaattgtat ttatgagaat cttgtggtta atataaagat 300
 tttaaaatat tctatgannn agccctttaa ttgggacttg tcctttgcag cttgcttctg 360
 gagcaagggtg tgcttcatgt ctccagtga tatttaggga aggaaaatga agaagtcaat 420
 ataagtcatt ttgtcacagt tactgttctg tgctggagaa attctgacac agagactggt 480
 ctttttagacc 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 ctgcctgac cgccagtga cagccagtgc atccgtgcag 120
 tgcagctgga gaggctagcc tcagagcctc gctccggtta ctttacagca agtagatttc 180
 tgggtgtgtc ctaaagggtca gaggtcaggt ctgcatgctt gagcaggtgg aggatttgcc 240
 cctccccaac tgggaccac agtggcctca ggggctctgg gccgcagctc tgggtctggg 300
 tcgagtcagg ctgggctgtg tgtctgcctg gttgggttagt 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 cctggctgctg tggtggtcga 240
 tggcatgccc cccgggggtgt cnttcaaagc cccagttac ctggagatca gctccatgag 300
 gaggatctta gactctgctg agtttatcaa gttcactgtc attagaccat ttccaggact 360
 tgtgattaat aaccagctgg ttgatcagaa cgagtctgaa ggccctgtga tacaagaatc 420
 agccgaggca agccagttgg aagtcccagt aacagaagaa attaaagaga cagatgggag 480
 ttcacagatc aagcaggagc cagacccac gtggttagacc gtggctctcc aggttcgtcc 540
 agtgtccagc gtgctg 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
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 acaccacga ggggcagaga ggggcagcct ctggcgcttt ggcgatgtgc cctggccctg 120
 ccctgggtgga ggggaccag aggccatggc tgcagccttg gtggccaggn gccccctct 180
 ggaggaacag ggggctctga agaggtactt gagagtccaa caggtccggt ggcacctga 240
 ccgcttcctg cagcgattcc gaagccagat tgagacctgg gagctgggcc gagtgatggg 300


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agctgtgaca gccctttctc aggccctgaa ccgccacgca gaagccctca agtgacccta 360
gggaataagc aagaacctgt ggggatgtag cctcaagaat agacggaagg aagcaaggtc 420
gtggatgggg atggacaaga aggggcagct gcggcacaga gaggagagga tatgggacgg 480
ctaacgtaat ggttgtgggg gtgggggtgg ggaggctcta ccactgctct ggactgccat 540
ttcctaataa gacttggttc cacacctc 568

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<210> 5255
<211> 381
<212> DNA
<213> Mus musculus

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<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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<400> 5255
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ttgaccctga cccacagact catgttgctt ggtgttgaca gtggctatgt gtcattcatg 120
gagtaaacad agtttcatta tcatttttac ctgatgctat aatgctttcc atgcattgta 180
atatatttga gtttacaatt aaattgcata ccttaaatat gctataactt atcactcatc 240
tataattgaa cttcgagctt gaaaatgtga agtaatttaa tagancnctg acattcaaca 300
ttaagaataa gtcatttagt cttcacttat gcaatagatt gtgttatatg gaaaaggctc 360
ttagcaaatt gttcaaactc a 381

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<210> 5256
<211> 128
<212> DNA
<213> Mus musculus

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<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>
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 <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
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 aatcactcct taagtgatgt atgngatgta tgttaatttg gaaattngtg atgatgtaat 120
 aacnctctat cccaaaggca cttagaagaa atgcgctcac tatgancagt gcctgcatct 180
 gcctgatcat atttaaaggc acagaagaac gtgtgtaatt aatctgcca gtaaatacca 240
 acttcgagca ctaggcaggt gcaagtctag ataaaatttc ttncagctaa tttaaacttt 300
 cggcacacac cagtagctaa tctcaatgta nataatacat ttctccttca ctctctaattg 360

taagccttgac agtacaggag tcttgactta tataactctgt 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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 gagccccctcc ccttccacga ccttgcacgc caggccgat 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 cgacatgac gaaggggtccg 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
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 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 tgttttntc ntgttaaagt gcaacaataa aagcaactca tacagtgaga 420
 agttacctcc agcacaccaa gagctagcta cgattccatt tcttntctgt ttccccctg 480
 cctctttctt acaaatatgt tacttttggc tcattttctt cactg 525

<210> 5260
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 5260
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 agcagcagca tgcagttact gctcacgctg cactccctgg aagccctgct ctgcagtcgc 120
 ccctctctct gccttctcat tgtggacagc ctgtcgtctt tttactggat agaccgagtc 180
 agtggaggag agagtgtggc cctgcaggag tcaacgctgc agaagtgctc tcagctccta 240
 gagcggcttg tactgagta ccgcttgctg ctttttgcca caacgcagag tctaattgcag 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>
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 <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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 gacaagggtcc taatgcactt tttaaaccatg 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 ctttgntccc taaagcatct gtgccgatta aaaattcgcc 240

gagttatggg actgcagcga ntntgccagc cagcctccat acagatgctt cntntccgg 300

cggcgatgcg aagatactta ttatttaaag agtttgacnt ctacggacag tagctaaagt 360

taatataact ttaaaattat attttaaaat gtgattctta aagcattttt ttttaactgt 420

gattccccta gagaagtcac tggaatcatt ttgtattctt attttgtatt ctttaagtga 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 ccnnctgct cctgaggagc 240
 tgccccccac gccccccgga gntgggcagc tgcctcctta ggtgttagtg cttagataat 300
 gtntcctagt tgttgtcatt tcaaagatgg ttattttctg ttctgtatctt actactgtta 360
 tcattgctct cagcacatac ttcacataca gtgccactt 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>
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 <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
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 ataccaaggg atgacancat atgagataca acagcctcct cctccagtgt tgactacagt 120
 tgcaagtact gttcagagca cacatttcaa tcgttcatac tctgaacatt ttagttactt 180
 tcctggacag ccacaagcaa attccttttaa cccaggaaac gggatatttc catctcacac 240
 gcctgtttct tacaattacc aacaaccagt ttattcacag tttgcttctc atcaaccagt 300
 cccacagggt acatatcctt atccgcctaa cccagggtgng 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 tatgggggtct ttttataaat aaanctaact gcatttaaaa 120
 atctaataag aaaaccagaa gcaacagtgt gtctatatgt ctntaagttt gaaattatac 180
 tggatttcag atcaactaaa taaaactggg gttaaaagct acagaatttt gttaacagtt 240
 ctacatgtc aagatgatac tgaactatac tgtagagata cagagcacta aaatttatct 300
 ggaaaattaa catttggtgt gattacattt atttgttaat agattttcaa attcaagtag 360
 caacttaaac aaaagccatg tgcaaaattc tgggtgtatga tttgttaana aagcatttga 420
 aagactcaaa agcaagaatg gagaattaat gacattcatc tttttcatat tgcttatata 480
 ttaaaatgca gaatttaata ttccaatgtc aatgtaacca gcaaattgtt tataatgctt 540

tcttggttaac 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>
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 <222> (41)..(41)
 <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>
 <221> misc_feature
 <222> (357)..(357)
 <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>
 <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

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 aggccggatc cagtcctctt tctagtctct cggggggcgt ccagcttgcc atcagagagg 120
 aagacactgg tttccaagga gacagtcttt ccagctcagc tctccacca ctctccgaag 180
 gaaaaagctg agggcaagtc ccagctgtta tcttggcggg atccggtacc tctgcgccag 240

ctggtgccta	tgagcgtgtg	gccaagggc	tttattcatc	cactcccaa	acctttgcca	300
gggcaagntc	tgagcacctt	tatccatgtt	gaaggggttc	acatccctag	ggcagtnnt	360
ccggtgacat	cactggtgga	agataacaan	tnttntatgc	cacctttact	aaaatgaacg	420
tgctgtctca	attaattgct	atttatctgt	gtctactgta	aacacgcaaa	actgtccatt	480
tttaactgag	aatatatfff	tatcctcaat	gtgaaccag	ttgggacttc	cagaata	537

<210> 5267
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 5267	
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agtccaccag	ggtctcgaga gcatgggggtt ggccgctctg agcagcgaga atacggcgtc 120
cctggtgggc	cagctccaga acattgccaa gaaggaaaac tgcgtccgca gcgtcattga 180
ccagcgtata	cacttgttcc tcaagtgtg ctttgtcctg ggtgtgcagc gatccctctt 240
ggaccttccc	gggggcctca ctctgatcga agctgagctg gcggaactgg gccagaagtt 300
tgtcagcctg	acccatcaca accagcaggt gtttgccccg tattacaccg agatcttaaa 360
aaccctcatc	tccccagccc agaccctggc caccaaaggt gggctctctt gatgacatcg 420
gctcggagca	ctggcacctt ggaccagga gaaagcgcac 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 cactatffff 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
 cccccaacaa aactggagcc ttcccaaaag ggaaagctat gctgtgccct gggctggaga 180
 gggatacccc aggacctgac accgaaaacg gaccacaagt acatgggggtt acctcactcc 240
 tcaggctcct cctactgcta gaatcggctc ttcacccaaa gcgtcactgc tacacgtttt 300
 cagaggacat tgagtcccca cccctctttc ttgaccggan ccagctccta cagtgggtcca 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 cctaataaac 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
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 5271

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aagaaggagc tactacaggt cgaaaagaag tcatcaagaa taaaatccga gccattggga      60
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gcctcactcc cacaggcaca ctcccactgg gggtcctctc tggaggaaag cagaccattg      180
agactgccaa acaagaagcc gcagaggagc gggaagccat cagaggtttt acaattgcac      240
acaggat                                           247

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<210> 5272
<211> 435
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

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ccacctgccc gtccccgaga gctgtcgctg ccatcgccnt cctccctgca ggtctgcagg      120
gattgcccga tccctgtggt tttttacttt ttccagacaa gttctcaagt atcccaggnt      180
ggcttctctga ctctctcgag tagccgagga taaccatata cttctgatcc cacctgtacc      240
tcctgagtcc tgttttaatg tgggtgctgag actcgaaccc atggcttcgc agatgctagg      300
cagacgcttt tcgagctgag ctccaccccc agcctctttg tccctgcttc ttcttgcctt      360
ccagtgcctt ccagccaagc acctgttggg gatactgccc actcctaata tttccccgta      420
agaagcagtg ctagt                                           435

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<210> 5273
<211> 465
<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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<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

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (404)..(405)
 <223> n is a, c, g, or t

<400> 5273
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 agaaggactg gcgaggtggc cgcggcgctc accaaaacat catcccatcg tccactgggg 120
 ctgccaaaggc tgtaggcaaa gtcatcccag agctcaaagg gaagctaaca ggaatggcat 180
 tccgggtgcc aaccccaaac gtgtcagttg tggacctgac ctgccgcctg gccaagcctg 240
 cttcttactc ggctatcacg gaggtgtga aagctgcagc caagggacct ttggctggca 300
 tccttgctta cacagaggac caggtggtct ccacggactt taacggcaat cccattctt 360
 ccatctttga tgntaaggnt ggaattncn tcaatnaca cttntgaag cttgttgctt 420
 ggtacgacaa cgaatatggc tacagtaacc gagtggtcga cctcc 465

<210> 5274
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 5274
 taccaaactt gaggcctaga gctaaaaatc atatagaaat gatgttatct tgtggtgtga 60
 ggaaaggcca gctggcctaa gttcacactt ttgtcccagt ggccctagac tccaccagc 120
 cagctcccaa aatgaaaaga ccacctgtca agcagcagtc aggagtctga tgtcacccat 180
 cactatTTTT tttccatcat tgtgcttgcc tctgcctcct tccacaccg tgtgacgtaa 240
 tcgcattggg aagccaggac aatgtttgct gttctgcttt gggtaaaggg actccct 297

<210> 5275
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (198)..(198)
 <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>
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 <222> (319)..(320)
 <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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 ttcaagtgtgta agagatgtaa aaaggaattt caacaacagt gtgagcttca aacgcatatg 120
 aagaccacaca gtagccgaaa agtctatcag tgtgagtact gtgaatatag caccaaagat 180
 gcctcagggtt ttaagcgnca ngttatctcc attcatacga aagactatcc tcaccgctgt 240
 gacttctgca agaaaggatt ccggagaccc tcggaaaaga atcaacacat aatgcgacat 300
 cataaagaag ttggcctgnn ctaagtgtgt aatcctaach tatggggaca ttggcattca 360
 ggcaggaaat tcattttaaa 380

<210> 5276
 <211> 342
 <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> (149)..(149)
 <223> n is a, c, g, or t

<400> 5276
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 aaggatttca taggccttca gaactcaaga agcatgtggc taccataaa agtaaaaaaa 120
 tgcaccaatg tagacactgt gncitttaana gtccagatcc atttctgctt agtcaccata 180
 ttctctcagc tcacacaaag aatgttccat tcaagtgtaa gagatgtaaa aaggaatttc 240
 aacaacagtg tgagcttcaa acgcatatga agaccacag tagccgaaaa gtctatcagt 300
 gtgagtactg tgaatatagc accaaagatg cctcagggtt 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

<400> 5277
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 cagaggacac ccagagctac catctggtat ctgccagttt ccaactgact ctaccagca 120
 tccccctccc cactttccca taattcatga catcaaaaca tcggcttttc ccttgagact 180
 caggagggcc aaagcaccag cctttggctt tttntcttt ttttccctc tcccctagca 240
 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 ctttctttaa ccacgggagg tacagcggag atgtacacaa aagatgggggt 180
 cagtggagat ttccggtact tctgtggcc acttcagcat ggtacactgc acttctgtgg 240
 atttaaagtc cttgcccccc agatcagttt tgggtcttgat gtttcatcag aagaagaaag 300
 gaaagtgatg ctggcatcat gggcccagcg gctgaagagc atctggaagg aagaacccat 360

ccactgcaca ccccttgggt acttccaaga gtaacatttt tgtgctctga gtacagctga 420
 caagcaacac agtgagagac ctacagcatg tgcaaagaga aggtgggtgtt 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

<220>
 <221> misc_feature
 <222> (416)..(416)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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 atgatactca ggaagagggtg tacctgtccc 180
 taaaggaagc gcagctcatt tccaaacaga aacaagaggt ggagccttcc acgtagcagc 240
 aaggaccctt gctgttgaac atgaaggcat ttgatcgcca ggctccagct tgaagaacca 300
 aatgaggcta ccacaaaaga agaactctggc agaaagagaa gagcggggttg tgattcctgg 360
 cacagacttt ggttccccctg tagccctggg gcttgggaaga agcacacaac catccncaa 420
 gtggggctcc ccactcccca acccatgaac cccagggcca gatgagctcc ttggaaa 477

<210> 5280
 <211> 431
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (229)..(229)
 <223> n is a, c, g, or t

<220>
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 <222> (232)..(232)
 <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>
 <221> misc_feature
 <222> (293)..(293)
 <223> n is a, c, g, or t

<220>
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 <222> (295)..(295)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (300)..(300)
 <223> n is a, c, g, or t

<220>
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 <222> (318)..(318)
 <223> n is a, c, g, or t

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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> 5280
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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
 tgatcaatca a 431

<210> 5281
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<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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<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
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<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> (154)..(154)
<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
 <213> Mus musculus

<400> 5282
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 gctgatacca ccaaggagga ggctgataac agcaaggagg ctgaaggtac cactactgag 120
 gacccgcgct cgatctccga ggagagtgcc gaactagaag aaagccctcc cttagggtca 180
 gaaccccctg cccagcctga gtcacaagaa gaagaaaccc aggtcacaga ggaaacagca 240
 tcacccaag gttgatctgc aaaattctat agttgctttt gtatTTTTtag tgaccttagc 300
 ccttcttctt agaatatTTT aatatacctt aaagaattta actttactaa tagatatTTg 360
 attgggagtt ggtatTTTtac aagtcttaat agTTTTtcca ccctctaaaa tcaggctgtg 420
 ttaagacctt aaatagtgtt aagtttggat ttaagtttta cgTTTTtagaa actgagttat 480
 ctatgcaacc ggtgtcactt tgattttcct ttgcctttct cttactttgt tctatgtaag 540
 accagattac tgggttttgct 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

<220>
 <221> misc_feature
 <222> (326)..(326)
 <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> (454)..(454)
 <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> (461)..(461)
 <223> n is a, c, g, or t

<400> 5283
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 tggacatatt tctaacctgt gccaaagaggt tctctcctcc ccctgatcca aaagactgcc 120
 tcgtctttga agattctcca aatggagtgagg aggcagccat ccactgtggg atgcaggctg 180
 tcatggtacc tcatgaaaac ctgagcgcag acctaacacg aaaagccacc ctggtgctga 240
 gttccctcca cgacttcaag cctgaactgt ttggnttacc tgcctttacg gaataaggg 300
 gaaggggtgac ggtgctgctg tgggcntcat gtaacccaaa gttggctcag gacctatgtt 360
 gctgagtggg aacattagga antcaacatc atccaaattg taacctttct tgtcactgta 420
 gggtataaag tcatgggttc cattatgtat tcantntcct ntgtgatttg ctctacattt 480
 gacagta 487

<210> 5284
 <211> 516
 <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> (293)..(293)
 <223> n is a, c, g, or t

<220>
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 <222> (308)..(309)
 <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

<220>
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 <222> (316)..(316)
 <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>
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 <222> (327)..(327)
 <223> n is a, c, g, or t

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 <222> (335)..(335)
 <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

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 <222> (431)..(431)
 <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> (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> 5284
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catgtattga aagccaccag tttcagcccc aaacattctg gaatggatcc tggagatcac      120
agtggaattt aacctacaca ccacccacag cacaggatcat tggaatgctc aagtctcacg      180
ttcattatta tgaaaatgga aatatccagc tagttgtcca taaagatgta catgagtcac      240
taactgttat caatgaagat caaactgcga aggtgtttat taanatcata ganatggtag      300
aaaatgggna tcangnagca nttaatnaaa actancacac aatttcatgt acaacattna      360
aanccttgcg cagacagctt ccaattacct accacaaaat cgactggaac aagatactta      420
gctacaaagt ntgcaaagaa ctcaagttga aacatgnnta atggcccact gtagcagtnnt      480
ntaggaagtg tgggcataaa agatccaaca gggtttt                                516

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<210> 5285
<211> 477
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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<400> 5285
cccacctcca tcttaaacad tttagtcccc tgtaatgctg gctgctatga ctctgaagag      60
gccttactaa atatacatca ctcttctggt tgactctaaa cctgcccgtt ttttaacttca      120
accggaagg aagaaggact cccaagatca atagggacct gtaggaactt ggtttgagtt      180
tgttcaagct ttctaataac tcattttcac aggcactgtg gtttgtgtta tgtttgtgtt      240
ttgttcgtta ttttcccttt tcagaacccc tatcccagca gcgtcctcct tgtctccac      300
actgtctgga gtaggagctg ctgtaacctt gaagcccagc agtccactgt ctgctggagt      360
atatttcaat aacctntngt tgccnacaat ttggcccttg agttcgagca cctaacccta      420
ttttgctatt tcttgaatgt ttctcttaca cccctttttg ttctctacag tgaaact          477

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<210> 5286

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<211> 448
 <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> (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 gggaataactt tgaccgtgag ggcagacagg 120
 aaagagggca ttcacctaag gatgggctgt atagtgcac tcgtgaatca tacagtagta 180
 ataccaagat ttgggggatc ccatggaggt cgtggagaaa gcagatataa agtggaggca 240
 ggtactaaag tcttaagttg tgtaccaaac agcatttcta agaagaaaaa taagatgtna 300
 ttcctatgtt ctccaaatgt taaaagaaat atgttgatnt aggagataag gcaaatagta 360
 agttttactn ccttaccga atacggaaat acattgtttt ggggggaagt gaaataatga 420
 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

<220>
 <221> misc_feature
 <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
gaccaaata atcaagagga gaggaacaca ctatTTgatc atggcaatca agtgaaagag	240
gagaggatca aatTTtgctt tccaaacaag aaggtagatg aagagagaac cacattctgc	300
tctccagaaa agcaggagaa tggggagata ccggtcccct tctatcaaca cacaccctg	360
catggaggga tgaccattct gcaactacac gaacangnan caggagatta tgcacaggag	420
gcaagcacag atgcaaggat gcatagctgg gacaattacc ttcatTgctt gtattataca	480
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

agatccccca gaacaggatg tctctgggag gcaggacact ctggccctca ggccagcttc	60
tatggcagag ccacaggag ataagcaatc ccgagaggac actgtgcttg tgaaaagagc	120
agttctggat ccctttgaac caaaagctgc aatagagctg cttccgactt tagatcaagc	180
tctgccaca tcagctgata cacactcacc tgtagatgtg gctgcagatg aggctgcaga	240
tgtggcagca gatgaggctg cagatgtttc acctgccagg cagttatttg tgccttacnc	300
tgtgccaca gatacaccag gttttgtttt ccctctgcct gaggttgaca tatagttagg	360
agaatgatct gcagagttcc acccagatga gggtcccccac ctaagcttat attatttctt	420
tatagaaaat atcttattgt tttgttgggt tctatTTTTc atattgtt	468

<210> 5289

<211> 227

<212> DNA

<213> Mus musculus

<400> 5289


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ctgctgagga gttgtcaccc caggaggccc ctgctgagga gttgccaccc caggaggccc      60
ctactgagga gttgccaccc cagtaggccc ctgctgagca gttgccaccc caggaggccc      120
ctgctgagga gttgccaccc caggaggccc ctgctgagca ccatctccag caccacaat      180
cttcctcaga tgaatcttct tatatcactt gtcctgagtg ggaatag                    227

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<210> 5290
<211> 536
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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<400> 5290
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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 gaaccctttg      300
atgtgcaaaa agattataag cggcaacttg gggaaacttc tctactgggt aaagttcctc      360
tctctccagc agacatcaag tgatcagggc attntccgaa tgaatatcaa ccatcgagga      420
tatccacaga gatctggggt taagatctgc ttaggcagaa gtgacaccaa gagtatcata      480
tgctgaaacc tggacacaaa ttgtatgggt taaacaactc ggaatacaca gactat          536

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<210> 5291
<211> 444
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<400> 5291
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tattaatagt caactcaact atcctatgtt atgttcctag aataaaaaat tgttacatct      120
atttcattac catggtttaa ggtaagctca ccttcctaag ggtagttcct ctgtcaggag      180

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aatgatctat ctgctttgga atcattgccc ttgatgtgc aaaggagttt gcctcctttt 240
aagtgaagta tccaggggtgt ggggctccag aaagtattac agtgttttta atgtagcatt 300
tgcttgtaat atttgtaaca tacatttagg cacttggtgaa tcttctttga taattgggac 360
acattcgtca attctgagaa cttgttattt ttttctatt ttcatagtgt ttactgtgaa 420
ttaaaatttg ttatgccact gccca 444

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<210> 5292
<211> 363
<212> DNA
<213> Mus musculus

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<400> 5292
tcatggacca gaaccgcat ggcttcattg acaaggagga cctgagggac acctttgctg 60
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

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<210> 5293
<211> 506
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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<400> 5293
ccaatgcaac taatccagag agtaaggctt tctatctgaa aatgaaggga gattatttcc 60
ggtatcttgc tgaagtagct tgtggcgatg atcgaaaaca aacaatagaa aattcccaag 120
gagcctacca agaggcggtt gatataagca agaaggagat gcagcctacg catccaatcc 180
gcctggggct ggctcttaac ttttctgtat ttactatga gatccttaat aatccagagc 240

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ttgcctgcac actggctaaa acggcttttg atgaggccat cgcagagctt gatacactga	300
acgaagactc ctacaaagac agcaccctca tcatgcagtt gcttagagac aacttaacat	360
tatggacatc agacagtgcg ggagaagaat gtgatgcagc agagggggcc gaaaanctaa	420
anggcattcca gggcaccaac ctctttcccc tcaagaaaac ctttttacat ctccattcct	480
tattccactt ggatttcctc tagcaa	506

<210> 5294
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 5294 gacagtttgg gcagcgacag ctccacggcc atcatcccc acgagctgat ccgcacacgg	60
cagctcgaga gcgtgcatct aaaatttaac caagagtcgg gagccctcat ccctctctgc	120
ctaaggggca gactcctaca tggccggcac ttcacctaca agagtatcac aggcgacatg	180
gccatcacgt ttgtgtccac gggagtgga ggcgcctttg cactgagga acaccgtat	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 gaagccaagg atcccagag aacaagacag gtatatcaag cgtctttgga actaatcct	60
cacaaaaagt tcacatttgc caaatgtgg ttatattatg cacagtttga aataagacag	120
aaaaatctgc catttgccag aagagctttg ggaacttcca taggcaaag tccgaagaac	180
aagttattca aaggatacat agaactggaa ctgcagcttc gagaatttga cagatgcagg	240
aagctttatg aaaagttttt ggaatttggc cctgaaaatt gtacctcatg gattaagttt	300
gcagaattag agacaatcct tggatgatatt gagagagctc gggcaatcta tgaattagcc	360
atcagccagc cagccttggc tatgccagag gtacttttggc 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
 caaagacccc caattagagc atgagcgata gaaatcatgt catcagcatt ctgtgacagc 60
 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 taaagggtgac aggcacacat ttttgtatat agtatctaaa ctagggtatc 180
 atctctatca acacagaaac agtttgtgtga tgtctgtctt gaccatcagc tagcagatct 240
 agatatcctg tgagaataca tgtttagcatt ttccatgggc atgcgtgaga ggcagcctcc 300
 caaacccgaa tgaagggcag gtcagtgtgc actgcagagc tcaggaaggc acaattgaca 360
 cctcctccct ctgtgtgtct tgtgggtcaat 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
 aggtatcaac acatgtgcat ttcagtgacg ccattgactt ccttcgttat atccactaca 60
 tgtgtctgctg tgcattcccat gaggctgcag ccccaatncn ccatgaggta aaggnagaaa 120
 tggcacgtga accaggattt agggntcact tatgnccatt tcagagttat aaatntttta 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
 gtgagaatca tgtcaatccc caaccttcgc tacatgaagg agagccaggc cctcttgact 60
 cttacaaatc cagtggagaa cctcaccat gtgactctgt tggagtgtga cgagggggac 120
 cctgataata tcaacagcac tgctaagggtg gtggtgcctc ccaaagagct catcttagcc 180

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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 cagaggtcac ctggctcac    419

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<210> 5300
<211> 335
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<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

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<210> 5301
<211> 531
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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
 cagtgtacca cctaattgcag cgcattccaat gccggccgcc gcaactgacca acagtgcctc 60
 gggactaggg ctgctgtcgg accagcagag acagatgttt atccagcagc agcagttcca 120
 gcagctgtta aactcccagc agctcacacc cgaacagnat nagnctttcc tataccagct 180
 gatgcagcag cagcaccacc cgcctgagct ccagcagctg cagctcccgg gaccacgca 240
 gatccccatc aacaattctc ttgcaggtgc tcaggcgcct cactccaca cagctaccac 300
 caacccttc ctcaccatcc acggggacag cagagccag aaggtcacaa gacttagtga 360
 taaaactggg cctgtagctc aagagaaaag ttgacacttg aaaatggcca gaactgcct 420
 ttctgtctgt tctgtgcttc actggctgct gcagtgtctg ccacagctat gaagaatgga 480
 ggcgggaaca cacaggggag gatgccacac actcccttgt aaggctctga t 531

<210> 5302
 <211> 456
 <212> DNA
 <213> Mus musculus

<400> 5302
 ttccgactta gccatgcccc gagtagccat gctcttgatt gtgacaatat ggcagcctag 60
 taggttagac agttggggat ataattcattg 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 tttattttta tatgttcagg 360
 ggaattttta agaaagtcaa accttttgta gataatttaa aagaatcagt gtggtttatt 420
 ttatatatgt aaccactgg ttgttattct gtaaca 456

<210> 5303

<211> 452
 <212> DNA
 <213> Mus musculus

<400> 5303
 ttgaatcctt caaacgcgct gacatctatg caatgggctt agtgttctgg gaaattgctc 60
 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 ggcatacaaaa tgtaactgaa acaccgtggg aactctgctc 360
 tcttcatatc tgctcctggg tgtttaggag gctgggtgtt 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
 atgtacctgg gtgagatcgt ccgtaacatc ctgattgact tcaccaagaa aggccttcctc 60
 ttccgggggac agatctctga gccactcaag acccgaggca tcttcgagac caagtttctc 120
 tctcagatcg agagtgaccg attagcgctg ctccaggtgc gggccatcct tcagcagctg 180
 ggtctaaanc agcacgtgcg acgacagtat cctgggtcaag accgtgtgtg ggggtggtgtc 240
 caagcggggcg gccagctgt gtggtgccgg catggccgcc gtggtggaaa agatccgaga 300
 gaacagaggc ctagaccacc tgaatgtaac cgtgggcgtg gacgggacgc tctacaaact 360
 ccatccacac ttctccagaa tcatgcacca aacagtgaag gaactgtcac caaagtgtac 420
 cgtgtccttc ctctgtctg aagacggcag cggcaagggg gccgccctta tcacagctgt 480
 gggcgtgcgg ctgagaggag 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
 ccccggtgtga agtgtgttat caccagcaga cactgccgga ctcttgccca caggggctg 60
 gcctgaaggg cgagtgtgaa catggcactg ctgttccctt cccctccct gcacccgccg 120
 cagcctgccca tcccatttgg atgtatcaat gccactgagt tgtctgtccg tccgtggagc 180
 cagtcctagc cacattattg acagtcttgc attttgtttt gtctcgtgat ggtgggtggtg 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
 gagccaaaga actgccgtgt tgcccagtct ggggtctctgc caccacactg cttcagggcc 60
 aggccctggtc acaactaaag gctcagaaag aggcacttag tgaatttagc cagtgtcttg 120
 agctgtctctt 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 ggccagtgtt ttttggcggg aggccacag ccagctgcca ctggaggacg 420
 ctgccggnnn nnnnnnnnnn nnnnnnnnnn gtctcttcca ctgtatttag aaacctgttt 480
 gagctggatc catcccccta accgcgaagc cttccttgag gagtttggga cttcggtgtt 540
 ggagtcttgt gtccttttagc ttccttggtt 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
 gggacctact gctatgccga gaagtaggag tgcgacagag tggcgggtcc cctctggaca 60
 gactaaggcc cagccctcac ttctgccttc cccaggccag cgcggtgctt cgggctgctg 120
 ggcaaagggg cgtcccgggc attaaactgac caataaaata acatggcacc ttctttgttc 180
 cataagaaca aacatatatt gcatntatgg ctcanchnata tactgggttt gtgattagag 240
 agcaccacaca ncacgaagga cagaggagag gaaggaggag aggaantctc agcagacctg 300
 nccatctaca cgggagaata caggctnccc ttatgtctta accagtcact caaaggtttc 360
 ttattcaaaa ttccaggaa ctccaaactt ccagagctnt ctggncccta caaaacaaat 420
 attcaaacta aactcatttc taaatgtact tatcacttcc aaggtctgtt 470

<210> 5311
 <211> 555
 <212> DNA
 <213> Mus musculus

<400> 5311
 gtgaaaacca ttatctgata ctcagattga gccagtactc caaaaacttg ccacctcaaa 60
 cttgttcagt attgataaaa gacaacatgg agagagtgag ctctagcaca tgtcaaaact 120
 gtatcttttc ctacttgaaa tttttaaaact gtaaattgaga atggtagatg gctattactt 180
 tagaaaaaaa gatgagggtt tggttctcag agaaaaagaa agtgagcctt cctcatacag 240
 cacaagccca ctccaagtc aaaggaaagt gaggagctga aggtgccaaa gaccagtga 300
 gcaagcaggg gaacctctgt tacactcatg cagtaaaggc gccatcttgg ttccctggga 360
 atgctccaag gagacaagag tccccccacc taccagtgcc tctgcattgt ccacgtgata 420
 ctagagcagt agagagaagg cccagggtgtg 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 cacaaggggc catactgtcc tgggagcaga 60
 agagttagga ggcagatgca gactagcagc aagagactca gagcaggagg aagggcagat 120
 agcagtggaa gcaaaggaat cctgtctgcc tggagcagaa gccactgact tctgagagt 180
 tggctcccct ggggtgagag gagccgtagg tgctggcaag aagaggctct gagtaggctc 240
 agaggggagt ccacacctcc tgtttacata gactagtttg gtttataagt tttagttctt 300
 catgttacgg cacctcaagc ttgcttttat gttggtcatt aggtgacagt tactcatttt 360
 cccaagaga 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

<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

<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

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<400> 5314
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aggtaaaactg caaagtccaa gtggacagca agagaatgac catgaccttg ctttccttct    120
ttctcccttc cctcctcacc ctcccttcct ctctcttctt 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 gcttcnnggc 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

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<210> 5315
<211> 423
<212> DNA
<213> Mus musculus

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<400> 5315
aattcccgga agatcgatcg gccatcccc taagttgtat catagtgtc tcaacagaca    60
gagggaacaa caaaggatcg aaagagaaaa tatggcttta ttgaaacgac ttgaagctgt    120
gaagccaaca gttggcatga aacgctctga acagctgatg gactaccatc ggaatatgag    180
ttacctcaat ccttcaccgt ccgtccgacg agtgagatct actcttggcc attatagccc    240
actgagagga gcttcagga catccagtgc aaccagtggg ctcagctgta agactgaccg    300
atcagtgttg gacacatcca atggcttttt gctaagaccg aaacccccga atgttcgtac    360
tgcttggttg taaaaccttt ttttttatg atatacattg ttcattgtt tgtcctat    420
taa                                423

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<210> 5316
<211> 484
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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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> (258)..(258)
<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>
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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>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
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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 aagtcancn aagccctcta gcaacttaaa aaaaaacntg agntaagaag 240
 tattcctcct cctccttntc ttcctcatct tcaagatcaa actcagactg ctcagatntg 300
 gggctctgaca ggcaaaggag atntgagtca cactcatcag ggaagtgtgt ttctagtgtgta 360
 accccctnat 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>
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 <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

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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 catggctctg cccctccctg cccagagcgc accaccggta gttggcctgg 300

actacaaggc tgttgggaga agctgggtctg gaactgccat cca 343

<210> 5318
 <211> 579
 <212> DNA
 <213> Mus musculus

<220>
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 <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

<220>
 <221> misc_feature
 <222> (92)..(96)
 <223> n is a, c, g, or t

<220>
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 <222> (98)..(102)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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>
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 <222> (110)..(110)
 <223> n is a, c, g, or t

<220>
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 <222> (112)..(116)
 <223> n is a, c, g, or t

<220>
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 <222> (121)..(122)
 <223> n is a, c, g, or t

<220>
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 <222> (124)..(128)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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>
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 <222> (204)..(204)
 <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> (307)..(307)
 <223> n is a, c, g, or t

<220>
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 <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 cgngacacc 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 tcattgggtct cctgtgagga 120
 ctctggcaacg cgtggagtcg gctaagagaa aagcgaggca aggcaggcgg gtcttcagag 180
 ttctatatatt tagctctcag tgctgaatta ccttctccct taaattatta taaacttttg 240
 ctgctgtcat ataaacgtga agatgtctcg canticctgat ncaaaggaag accctgtgga 300
 atgccctctt tgcattggagc ccttggaat agatgatatt aactttttcc cttgcacctg 360
 tggctaccag atatgccgat ttgtttggca tcgaattcgc actgatgaga atgggctttt 420
 tcctgcatgt agaaaacat atccagaaga tccagcagtt taca 464

<210> 5320
 <211> 276
 <212> DNA
 <213> Mus musculus

<400> 5320
 gagaggcccg aggacctaaa tctgccaac gccgtcatca ccaggatcat caaggaggcg 60
 ctcccggacg gtgtcaacat ctccaaggag gcccggaagcg ccatctcccg cgccgccagt 120
 gtcttcgttt tgtatgccac atcctgtgcc aataacttcg caatgaaagg aaagcgcaag 180
 actctcaatg ccagtacgt 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 tgtggggggt cagcctgtga acttcatgag cagacctaca gtcattccacg 240
 tgtgacttta cgtggcatct tccacttgtg aatgggacct taaaacgtga accaaaatgc 300
 caggcaccat ggcttcat 318

<210> 5322
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 5322
 aacaatgttt gctttccact ggcataaatc taaagtgggt 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 ccaactgttg atgtgacttc atccaaacat aggaaatgaa 300
 ggcctttaca gcttgtgacc catcaaacct aagctattaa tttggaattg ccaactgtcag 360
 gcggggtttcc tatctcactg cactgacttt ggcgttcagg cttacaataa aactgcgggc 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	ggccagtgtc	tcaggaactt	240
gatggaagga	gtggaacaga	acctgtctgt	caagaacaga	gacaggttta	cccagaacct	300
ctccgtcttc	agaagagatg	tggcagaggc	cctgcgtagc	gatgnccaca	ctgacctaat	360
cagcctggac	atgatgagct	gacccagctc	ctgagcgtgg	gctgtgcagc	ctttgtcaag	420
agaatctgga	aggtctgggt	tccagactac	gatgctggcc	agcccagaag	agtgtatatt	480
tc						482

<210> 5324
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 5324	
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cgaaatTTTT	ggaaagggttc
aaggggtggt	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	ccttgggtctc
agtggattac	gaaatTTTTg
gaaagggttc	aggggtgttt
	120
ttccgcaagt	acactcaggc
tgagggtaaa	aagctaggtt
tgggtgggctg	gggttcagaac
	180
accgaccggg	gcaccgtgca
agggcaactg	cagggccccg
tctccaaggt	gcgcttcatg
	240
cagcagtggc	tggagaccag
aggaagtccc	aagtcgcaca
ttgacagagc	aaacttcaac
	300
aatgagaaa	tcacgcgaaa
cttggattat	tcagacttcc
aaattgtaaa	ataatgaaac
	360
gaatctta	atTTTTTcaa
aataatctca	ctcctTTTTt
taaatcgcta	gattaaaaaa
	420
aaaatagaac	tattctgtgc
tcagtattag	aatttgttag
taagttat	tggttgcatg
	480
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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
 cngagcccg c 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 gacaaatata tctctgcaa agctgacttc aggacacttt tgaaagagac 120
 caaattcatt acatacagtt aatttagtga aagatgtgaa agtgaaagct tgtgaaagat 180
 gctgggattg gcagcccccgc 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
aggatcttct caggaacctc tacgacagca tccggaacga gcccttcaaa atcccggagg 60
atgatgggaa tgatctcacc cacaccttct tcaaccaga ccgagagggc tggctcctaa 120
agctgggagg gggccgggtg aagacttgga agcggcgctg gttcatcctn acagacaact 180
gccttacta ctttgaatac actacggaca aggagccccg agggattatc cccctagaga 240
acctgagcat ccgggaggtg gacgacctc ggaagccgaa ctgctttgag ctttacattc 300
ccaacaataa gggacagctc atcaaagcct gcaaaacaga ggctgacggc cgggtagtgg 360
aggggaacca catggtgtac cgaatctcag caccaccca ggaggagaaa gatgagtgga 420
tcaaattcat ccaggctgct gtaagtgtgg accccttcta tgagatgttg gcagcaagaa 480
agaagcgaat ttctgtgaag aagaagcaag aacaaccctg acccctgtcc ccaactccat 540
tatttatattt 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
acacaccctg ttgcaggaag agctgcggcg ctgccagcgg ctcggggaag agcgggcaac 60

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tgaagctggc agcctggagg ccaggctccg agagagcgag caangcccgg gccctgctgg 120
agcnggaggc tgaagagatc cgccggcagc ttgcagcctt gggccaaaac gagccactcc 180
cggcagaagc gccctgggct cgcaggcctc tggaccacag gcgccgcagc cttccagcgg 240
gcgacgcttt atacttgagc ttcaatcccc cccagcccag tcgaggccat gaccgcctgg 300
atttgctgtg gactgttcgt tccctccacc gaccctttga tgaccgagag gcgcaagaac 360
ttggtagccc cgaggatcga ctacaggaca gcagtgacct tgatactggt agtgaggagg 420
aagtcagtag ccgcctgtct ccacctcaca gtcctcgaga cttcacccga atgcaggaca 480
t 481

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<210> 5330
<211> 547
<212> DNA
<213> Mus musculus

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<400> 5330
tttggtgcca tttctttgcc caagattgga ggctggtaat acaggaaatg cctgcgcaat 60
gctggtccta gcccaagctg ctttttcccc agctacttcc agtagtttcc ctctagacta 120
aggctggcaa agcaaagtga ctctaccagt aaggtaagtg ctgaaactca gcacaagcag 180
ccgtgtgacc ttggcaaggc tcagggccat ccttatctag gaatgaacac tggccaacag 240
tctgctcaaa ctggacatgc ccgcctggct agtttttaat acttttcaga gtgggaactt 300
ggtggctgag gcatggggcg 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

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<210> 5331
<211> 583
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t
<400> 5331

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atggagtaaa cctaattctg cccttaatgt cnacaagatc ttttgaagtt tccaaccctt    60
tgtaatcaat attacaaact gatcacattht atttgtgaga tttttcctga aaagataccg    120
cagcttcctg aggatctgtht taagagtctg atgtactccc tagaactagg gatgacatca    180
atgagttcag aagtatgccg 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 agtcattttac cagagattag cagatgcctt caacaagctc    480
acagcgagca gcactcctcc tgccctggac cggaagcaga agatggcctt cctaaagagt    540
ttagaagaat ttatggcaaa tgttggtggt ctcttttgtg taa                        583

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<210> 5332
<211> 361
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<400> 5332
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tggccgtgag ccnctgcct cccagaagc cgcncctcc 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

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<210> 5333
 <211> 524
 <212> DNA
 <213> Mus musculus

<400> 5333
 agcaccgagt gccatcagtg gtataagaaa tttatgacgg agtgcccatc tggccagctc 60
 accctctacg aattccgcca gttctttggt ctcaagaacc tgagcccctc agccagccag 120
 tatgtggaac agatgttcga gacctttgac ttcaacaagg atggctacat tgacttcatg 180
 gagtacgtgg cagccctcag cctggtcctc aagggcaaag tggaacagaa gttgcgctgg 240
 tatttcaagc tctacgacgt cgacggcaac ggggtgcatag acagggacga gctgctcacc 300
 atcatccggg ccatccgaac cattaatccc tggagcgact catccatgag tgccgaggaa 360
 ttcacagata ccgtgtttgc caagatcgac atcaacgggg atgggggaact gtccttgagg 420
 gagttcatgg aagggtgtgca gaaggaccag atgctcctgg acacgctgac ccgaagcctg 480
 gacttgaccg gcatcggtgcg cagactccag aacggcgaac acga 524

<210> 5334
 <211> 435
 <212> DNA
 <213> Mus musculus

<400> 5334
 atgcccagtg aagatgtcac acagcagtag tggttcagcc gctctcagtc caggggagga 60
 ggcagaacag gcgagagacct cgtccattca gtcttcagtt ttgggaaagg gagtaaaaca 120
 ccgaccccca cccatcaaac ttccctcagg ctccaggaaat agttcctcag gtaactatct 180
 cacagcacag caggccagca gcttccttaa atctccaact cctcctccat cgtgtaagcc 240
 aagcctttct cggaagtctt ctgtggacct cagtcaagtt agcatgcttt ctctgccgc 300
 cctgtcccct gccagctcat ccagagaca tgaaagctaa aaaggaaaca cctcaagagc 360
 ttgcttttac ttttttggtt tcatttttaa aaattttttt aagttgataa aactgtgcat 420
 acttcattca cgaca 435

<210> 5335
 <211> 402
 <212> DNA
 <213> Mus musculus

<400> 5335
 aagtcattct cagctttgta ggcaaaagac agcatgtagg agactaactt tttattgggt 60

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gttgtggttag agtgtaagtg tatttccact gttaactgtg atctgagtgg ggtttctagg 120
tgatatactg catccttaat tgtaattgag tgtagcaaca ctcttggaac gtgtagagag 180
ttaacacttg cagttaactg cttttaaaca aattggaaca aatttgtcag tgctaagtaa 240
gattccatta accgtatittt aaaaggacca gccatttata acaaactagc aatttttatt 300
tttctcaacg agcaggatct ggaactccta agccatctcc tcctacacca accccttcat 360
cggtcccaca cctcctgac gctcagaact cagctcctag ta 402

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<210> 5336
<211> 197
<212> DNA
<213> Mus musculus

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<400> 5336
gggaccctct gaaccgagtc ctggccaacc tgttcctgct catttcctcc atcttggggtt 60
cacgcaccgc tggcccccac acccagtttg tgcagtgggt catggaggag tgtgtgggct 120
gcctggagca ggacagcagg ggcagcattc tgcagttcat gcccttact accgtatcag 180
aactggtgaa agtgtct 197

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<210> 5337
<211> 506
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<220>
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<222> (371)..(371)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 5337
agtctcactc aggtggttcc gatggctcca ctgctcagtc tagtgtgaaa aaagccagta 60

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aatctttata	tcaacggaca	tatgcaggga	agatgtcctt	tgggagagtt	agtgatttgg	180
ggcagttcat	ccgagagtct	gagcctgaac	ctgatgtgaa	gaaatcaaaa	ggattcatgt	240
tctcacaagc	tatgaagaag	tgggtgcaag	gaaatactga	ngaggcccaa	gaagagctag	300
cttgggaagat	tgcaaaaatg	atagtgagt	atgttatgca	gcaggcacac	catgatcaac	360
cactagagaa	ntctacaaag	ctatgactcg	aaaccagaga	taaggaaatc	tgattttgaa	420
aaaaataaga	actttcccct	ttggttggat	tnttcaacac	agccgatgaa	aacggagnac	480
tgcatcttct	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 caaacccac tacctggacc gcatcatcca 180
gatcaaacia	gatacagacc gtattaccag tgatcatagt gttttgaact gaagatatga 240
caaggaaaaa	aaagattagt caatcttaat tgacctttga ctgtggaagg aaaactacct 300
cttttgaggt	agctattaac acaagtcttg tctctcaaaa tggttttaat ctgactagga 360
ttgctttcaa	gtactattct gtagtgcaga taagtggcct gggtgagcac aattctatct 420
taactgttac	tttgatgtga taaattttcc caaacgacc atttgtaaaa aattgaaaaa 480
aaattcactg	ttccactttg agaa 504

<210> 5339
 <211> 492
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (42)..(42)
 <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> (334)..(334)

<223> n is a, c, g, or t

<400> 5339

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ctcattatatt atagcccctg ggacggtccg ctctcagac gnccttgaag aaaactccag      60
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cactaatagg tctttggaat tggaccattt tagctatgtt caattgagga acgcagctga      180
tctggatgac aggagaaaca gagtgttaaa caggtacaat tctcagaagc tctactgagct      240
gattttacag ttctacggca tcagagcaga catgaagcgc gagtacaaac atgccnggct      300
gtctatgact ggcaccaact cctctggaga agcngtgccc ctggggaacc agagcccgcc      360
caacgactct ctgacgcagt ttgtacagca gcccgcgtg atatatttca ttctcttcct      420
ctggctcctc gtttactgct tactgtctct cccacagctt gatgtcagcc ggctctgaaa      480
catgtgtctg ga                                          492

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<210> 5340

<211> 111

<212> DNA

<213> Mus musculus

<400> 5340

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atggcctgat ggtttattgg cgtcagataa tactcttcat tttgtccatc cattgactgt      60
caattattct ggcgtttatg tctgtaaagt atcaaattcc cttgggtcaaa g          111

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<210> 5341

<211> 339

<212> DNA

<213> Mus musculus

<400> 5341

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gaccttcttg gccagactga acatttgctt ttgcagactc agttcaagga gaaaggagct      60
ggtggtcttc agccctctaa tggaccaatt agcaggagat ttgactatga ggatgagagc      120
acaatgcaag aagatggaac tcagcgcatt tgcccccttt atagccagat gtgccaccaa      180
gaccgaagcc ctcgccaaca tcaccacgc aaccccgaga gactctacat caaccacga      240
gaacattatg tgtgattttc cttgtcatga aggggtgttct aacaaatgtt tattcttaga      300
cctggagaga cactgaggca tctaagtgat ttcagtctt          339

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<210> 5342

<211> 488
<212> DNA
<213> Mus musculus

<220>
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<222> (177)..(177)
<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> (248)..(249)
<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>
<221> misc_feature
<222> (332)..(333)
<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> (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>
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<222> (358)..(358)
<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> (405)..(405)
 <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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 cctgaaacca ggttcggaga ggaacgataa aggaaaaact ccctttcggc ttcattccttc 120
 acctgtctta gaaacaacag cacattttta ccacagattt cacctgggcc actggcnacc 180
 atggataagc acgctgatgc ccctggggnt caaaagaaaa caaaggagac cagcatggga 240
 ggcggcanna gccagaagc ccagcaagat tctgtgatga ggacagattn atcagagatg 300
 actgatgtgg aatctgtgat caccagcttt gnntcttcag caagggcagn ccnccgnaa 360
 tnccttaccg gacatccaga gttcactggc tacaagtgga tcctntgatc ttccactgaa 420
 actggaagcg ttgnccgtga aggaagatgc aaaaacgaag aatgaagaga aagaccaagg 480
 ccaaccaa 488

<210> 5343
 <211> 572
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (73)..(74)
 <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> (158)..(158)
 <223> n is a, c, g, or t

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 tttaaaaaa aanncaaaac aaaanaaaaa aaaatcccag tttatttattc ttttagttct 120
 tccaaaattc aaaatatcaa gtcctactgc taaggggnag aaaacaaaca aacaaacata 180
 aaatctgaga agccccttct cataaagtca cagaacagag gcggcgaagt gggacaggtg 240

gatgcagaga acctgcaggg gaggatggca agatagagcc cccaggtatt tcaaagctga 300
 tcatcggaag caaccaacac aggacactgc agagaaagta aagggaagag cagcagtgcc 360
 cagccttggtg ggtgtggcct tcttcccgt tctcttcttg tcaagatatt ctaggccaag 420
 acacgactta ctctttgaga tccatgttga ctcttttaag cctccctcta gatttcacct 480
 gtagtatacg aagcatgacc attcttcctt agatgtatca gaagagacaa tggttaatttg 540
 tgtttgagca ctgcaccaca tatggacttg ta 572

<210> 5344
 <211> 549
 <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> (380)..(380)
 <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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 tcacaaaaat gacggtttgc cacgtgcttc tgcatgtaga attgtaatct ttaccagtgg 120
 aaagacaggc ctgtttcagg cccctcacac tttattagac atttcccctt ctggtctcac 180
 cttcttcagc cagaatttga tcaaattaaa agtcttttgt ggggactgta tttctgagca 240
 tctagaacaa atcctttata ttcacgcaca caaaagatct tggtggctat ttttaaacc 300
 agctgtatta aaaggtgatg ttgaatttta cgacaccctt accatggcct gctttnaaat 360
 tcggggcttc taaacctggn tgtacttttt aaattatatt tcttaga aan ttcaggatat 420
 aaatacctac tttattctct atctcacccc ctttcttcat aaattctcta gagaagccta 480
 taaacataca gcgcttgact gtcttgaaaa tgggtgggtt catatctggt actcatcagc 540
 ttgtcactg 549

<210> 5345
<211> 443
<212> DNA
<213> Mus musculus

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<222> (64)..(64)
<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> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(213)
<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> (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> (239)..(240)
<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
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 <223> n is a, c, g, or t

<400> 5345
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 ccnagcaca gctgggcatg ctgctggacc tgcaggcagg agagctggtc ttctacgagc 120
 ctgcctcagg gacggtgctt catatccacc gtgcgtcctt ccctcaggtg ctcttcccag 180
 tctttgctgt ggctgaccan gntcatnnn cnncatcgnt tcgcggacnc tcntggccnn 240
 acagtgaagac 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

<220>
 <221> misc_feature
 <222> (155)..(155)
 <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> (305)..(305)
 <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

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<400> 5346
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ccccactgag ctatgccttt cccaaagaca gcactatcgc cagccagatc tgagtctgct    120
tccaggcccg ttgatcctga caggactctg cagtnatcta gacagagtag gaggcactaa    180
atagagcttg tgaatggagt cagaccacg gttaccacct cacattcctc ctggggcctc    240
tgcgtggttg agtgaccttg gatcttagat agggagctat tgaagtttca gatnacctaa    300
ctggnacatt tgggggtaag acaaagcccc attgtgcact gctgtntncc atcactcctt    360
ctcctgcccc ggagaagggt ccagtgccag ctgtaatgat atagggacac atagggatga    420
aatgatgtat agactgaacc agaccttctc aaggaccgct gttctcctta aggatgctcc    480
agagcctttc gagtatgaca tctttg                                         506

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<210> 5347
<211> 413
<212> DNA
<213> Mus musculus

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<220>
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<222> (115)..(115)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

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<400> 5347
cgttccgcgc atgagcagtg aggcttggag cccgcctgcc cgtgtctccg gcgccagcta    60
cgccgctgtg gctgtcacta tggccatta caaagccgcc gactcgaagc gcgancagtt    120
ccggagntac ttggagaagt cgggggtgct ggacacgctg acgaaagtgt tggtagcctt    180
atatgaagaa ccagagaagc ccaccagtgc tctggatatt ttaaagcatc acttaggagc    240
tgctaccccg gaaaaccag aaatagagct gcttcgccta gaattggcag aaatgaaaga    300
gaaatatgaa gctactgtag aagaaaataa aaaactgaaa gcaaagcttg ttcagtatga    360
accacctcag gaggagaagc gtgctgaata ggattcttct cagttgaaaa gac          413

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<210> 5348
<211> 447
<212> DNA
<213> Mus musculus

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 <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>
 <221> misc_feature
 <222> (450)..(450)
 <223> n is a, c, g, or t

<400> 5349
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 tcatggagtc ctctgtggcc cccactccag ccaagtcctc caccacagc acaggctcca 120
 cccttcccca cctccccacg gtgcccagggt tcaactctgaa gacaccagca ccatgagatg 180
 ttattttattc agctaggcgg ggctcgagcc aggccctgcc cctaggtgag cagccgccac 240
 ctggacaggg actgtcctgt caccactcac cctccagcca gcctgtctgt caggaagatc 300

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ttcctagccc ttttttaaag cctcttttac attttttaaa aacataactt tttcagagag 360
agagggggagc tgacaatcac ttttcttctg ttttggtttt tggttttggt tttngttttg 420
aaagccgttt aaagctcagt tctgatgatn tatgcagctc taagtttcct catggagcct 480
caca 484

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<210> 5350
<211> 591
<212> DNA
<213> Mus musculus

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<220>
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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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<223> n is a, c, g, or t

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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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<220>
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<223> n is a, c, g, or t

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<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 tngtcacttg 120
ggggtcgctg ctcttctaca ttgccttctc cctgctctgg ggaggggtta tctggccggt 180

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ccntcagtta ccagaggatg tactatgtgt tcatatccat gnctgtccag tgggcctgcc      240
tggctgggta tcatactgnt tgtcacgggc gccnnccctcc 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 tctccacca ggccttcctc acaaggcaag gtatgggtgc      540
tgtaggtcca gcctggagat gcccaattga tggacagaca gcccagtg c                    591

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<210> 5351
<211> 587
<212> DNA
<213> Mus musculus

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<220>
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<222> (41)..(41)
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<220>
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<222> (43)..(48)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (50)..(52)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (69)..(72)
<223> n is a, c, g, or t

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<220>

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 <222> (74)..(74)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (76)..(77)
 <223> n is a, c, g, or t

<220>
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 <222> (79)..(79)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (81)..(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

<220>
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 <222> (88)..(92)
 <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> (98)..(100)
 <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> (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

<400> 5351
 tgtgagggtc tctgtatgca tatatgtata cacatacaca nannnnnnncn nncnnnnnnn

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nncncncann nncncnnana nncanncnnn nncacncnnn canacacaca cacacccact 120
tcgctgctgc ccgcgcgctc gcaggctggc ctgctctgcc agaaggggtga ttcactgggt 180
cctaaagcct tggctcgagc cagtcccagg caactgagat cagaaccagg gaggccctca 240
ggagaccagg gacgcaagtg ctgagagaga tctggctcct gatccccctt aggactaaaa 300
gctgccttgt nactgnntaa gacctcataa cccaccacag acctggatca gacatctctc 360
ctgacatcta aaaaagtggc tatcagcttg tctatcatct cagcatgcc aagggctgtc 420
tcctctgcct gaccaatgtg gaggctacca tgaacagccc attccagata cagtttttgt 480
cttagtccag aaggcacttt aaggaagtaa gcgtcaaaca tggctttggc agacaagaga 540
cttgagaact tacagatcta cagagttctt cagtgtgttc gcaacaa 587

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<210> 5352
<211> 499
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (433)..(434)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

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<400> 5352
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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

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gtaagacttt gaagaggaac tgatacacia atctgatccc ccctagatta tagtgattta 420
 cctgatgatt tgnnaaantc ccctgattnt ctaaaactaa gagagtatta tgnctcttgt 480
 tcctgaggct tcagtatca 499

<210> 5353
 <211> 578
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (339)..(339)
 <223> n is a, c, g, or t

<400> 5353
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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 ggccttcctt tctacccac tcctggctat acctcccact 420
 tctcctcatg ggcaccact gctccagagt gccctgccct ggatgggtgt cccctcagcc 480
 acctggatag ggaccagtat ctcacatcaa tgtaggggtt gaggcagtcc cgcctcctgg 540
 caatgtattg gcttggtctc tcccatcata tacactgt 578

<210> 5354
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 <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

<400> 5354
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 gcaaggaaat taatctgatg ttgtctacat atgcaaagat ttttaagtga agagcagcag 120
 tagatgcac t tacatcgat gagatagatg gactcttcaa agaagccaat attattgaaa 180
 actttctngt acaaaaaaga gagttcctga agcagagggt tacagtaatt accaacaccc 240
 tacacaagta atgtgcctat gccagctaaa agtttttcct gttactgctg tgttcttctt 300
 gctagagaaa acatatatta aactgtaact ttttctaaat ttaaaagaag ttttaagata 360
 gatattaata tgaagtgtgt aatatttctt ttgaggggtca 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 gcccggtgtac 240
 aatgccatgt 250

<210> 5356
 <211> 506
 <212> DNA
 <213> Mus musculus

<400> 5356
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 ttggaaatcc tcaactcaac ctctaaacag gtctggcaag cgctggccac cacatggact 120
 ttgggtattgc tctctctct cagtttgttc tctagtggct gtaagtagca cacgtggaca 180
 tctttgggggt gcctgggtgtg ggctcctaca gacacagttc tcactttcat ttcctagcag 240
 atccctcccc tggagcaggt ggctgtggag ccctgtgctc agccagcctt tccacagcac 300

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tggggtgggt ccggaatct tccgctcgt cctgtaaaaa gggccaaca tcctctgcaa 360
gcctcttcac acagcctctg taatcacctt acactaggag caggcagtgt ttctgccgtg 420
gggtgggtggg tctccacata aaggaccccc gtggagctga gctcacagcg cttactatg 480
caaggcccct tacagtggac agctaa 506

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<210> 5357
<211> 466
<212> DNA
<213> Mus musculus

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<220>
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<222> (326)..(326)
<223> n is a, c, g, or t

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<400> 5357
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ggctcctgtg tgccatcac tacgaggcca aagcgtgact acgaagtcga cggcagagac 120
tatcactttg tcatttctag agaacaaatg gagaaagata tccaagagca caaatttata 180
gaagctggcc agtacaatga caatttatac ggaaccagtg tgcaatctgt gagatttgta 240
gcagaaaggg gcaagcactg tatacttgat gtatcaggaa atgctattaa gcggttacia 300
gtcgcccagc tctatcccat tgccancttc ataaagccca agtctctgga acctctgatg 360
gagatgaata agcgtctgac agaggaacaa gccaagaaaa cttatgaccg ggcgattaaa 420
ctagaacaag aatttggaga atattttaca gctattgtcc aaggag 466

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<210> 5358
<211> 558
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

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<400> 5358
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gtgacttctg cttggggggc 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 gccgggggttc acccacagca gataaaaagg gcagctgctg agcacatggg 360
acagactgtg tggccaatta gccaccctc cccctgactc tggtcattgt tctagtcttg 420
atatatatat ttaaataaaa gacaacttgg gcatttcctt taatccttgc cttttccttc 480
tgccctccac gtgtccctcc ctctcctagc ttccttctat tttgggtaca acagaagcac 540
acactactga gaaccagg 558

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<210> 5359
<211> 422
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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<400> 5359

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ggaacagttt gtgtgtccta catcttcatt cctataaaga atgaaaagaa atattttaac      60
ctcaaaatta tttaaagtcc aaagtgaagc tcacctaaac gtcgagccat agagtcttta      120
attgcccggtt 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 tatcagtga cagcccagc cagggagaca tcagcttcca      420
tt                                                                    422

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<210> 5360
<211> 443
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (242)..(245)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (247)..(253)
<223> n is a, c, g, or t

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<220>
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<222> (255)..(255)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (257)..(259)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (261)..(267)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (272)..(273)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (275)..(276)
 <223> n is a, c, g, or t

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 attgctcctg acatgaaagg gcaggcaact atggtcctga gctctgcgta cttctgggtg 120
 ggattgttcc tggttccgac tgcgtgtttg attgaagacg tggcgtggag agcggccaag 180
 cacacctgca aaaagactct gctggaggag gtgcaggagc tggagaccaa gtcccgagtg 240
 annnncnnnn nnnntncnnng 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
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 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 tcaactttta atgaaaggta 420
 aaagtgttta cagtgggcgt ggttaaagtg gttactttta acaccagaat gtcaatcact 480
 gatttgtttc 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 cctcgggtggt agatatgctc cgccacttcc	120
agcgtttctcc tatcccactg gaatgtggag cagcttgtga cgtccgactc tctggctatg	180
tggtagtcct ctctcaggca ccaggttcct ccaacaccgt cctcttccct ttttcccttc	240
ctcactggga ttcggagctg ggtcatcccc acctcagctc tgttggctgt cccccagcc	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 tgggtccggct gctcagggat gccggagccg	60
acctcaataa accggagcct acgtgtggcc ggaccctctc gcacctggca gtagaagccc	120
aggcagccag cgtgctggaa cttctcctga aagccggtgc tgacccacc gcccgcatgt	180
atggggggccg caccctgctt ggcagtgcc 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 cccaaccct 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

<220>
 <221> misc_feature
 <222> (166)..(171)
 <223> n is a, c, g, or t

<220>
 <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 tgtggggcct gaagacatga cgctgtgcag cagccgtcgg 300
 tctgtgcggc cgggacgccg gggcctgggc cctgtgccct cctagggcca ggtgcctccc 360
 cagacttagg gtgggagcct gccagcttca tcacctcct tatcccaagt ctgttagcct 420
 tggtgttagc attttaaaga gaccctcag gagttctggc ttctgattaa ctgccccgta 480
 gccgggatct cgtggcgaga ctgtaactag tg 512

<210> 5365
 <211> 576
 <212> DNA
 <213> Mus musculus

<400> 5365
 aagttcatcc tagcagacgg tgccagccag ggtatggccg ccttccgacc gcgaggccgc 60
 cgatctcgcc cttcatccag aggagcttcc cccaacagat ccacttccgg gtcgagtcac 120
 gcctgccagg cagcctcccc accggtgcct gctgccgcca gcacacccaa gggcacacca 180
 atccagggaa gcaagctgcg actaccggg tacctgtcag ggaaaggctt ccactctggg 240
 gaggacagcg ccttgataac gacggcagcc gccagagtcc gaacacagtt cgctgagtc 300
 aggaagactc ccagccgccc agggagcaga gccggaagca aagccggaag cagagccagc 360

agccgccgag gcagcgacgc gtccgacttt gacatttcag aaatccagtc tgtgtgctca 420
gacgtggaga ccgtcccaca gacacacaga cctgtgcccc gagcaggttc tcggccatcc 480
acagccaagc cttctaaaat cccacacccc cagaggaggt cacctgccag caaattagac 540
aagtcttcga agagatagtg caattggctc caacca 576

<210> 5366
<211> 524
<212> DNA
<213> Mus musculus

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<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 caacttcattg tacctgtggg ggtgggtactg acactctaca 180
aagtcattcc caagtgggtga ctgaatggaa ccacagggtta caacataaac ccagcattga 240
cttgctttttg tggtagctct gactttctaga agggctgcaa tctgggattt actgagcctc 300
tgagcaaagc tgtctgccag gctttgccat ttctgtcctt gcagtacgtt ggcttgtgcc 360
tctctgtgcc acttccggga ttctcatagt cagccaatta gcaaagcttt cacctttaca 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 cccctttttac ccgttcctgc tgccacctgg ctgtggcttg ggaaaccac 120
tagggcccag tcttcaaccc agtccacctc tccttcattc attgccttc tacaagccta 180

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aattcctggc atgagggggac aggccagttg acatcaactt tgtgggcttaa gtagtgacca 240
cccttccac cctaaactct taggggcatt ttggacctct gcctaggaac caggagtga 300
gagggatgga agatgaagag cagggacaac attcaaaggt ctggaaggaa cagtctgtaa 360
actatggcga tgctagtcta ctccacaccc accctgagtg ccgcccataa ttcctttcag 420
agtactgtag gttcggggaa agtgagacag cagtgtccag taaagatttt tgttgtccca 480
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<210> 5368
<211> 401
<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> (39)..(39)
<223> n is a, c, g, or t

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<220>
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<222> (89)..(89)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (168)..(168)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

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<220>
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<222> (217)..(217)
 <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>
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 <222> (267)..(267)
 <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>
 <221> misc_feature
 <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

<400> 5368
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 cttggggccac tgaaggaaac ttcagctgnt cctttgaatc caccctggag ccccaagcct 120
 ttagtcatac atatataact taaacataag aatacttttag aaactntntt tattttttaa 180
 ggnattttnc tatatttata aagatcaaac tttggtingca actcctagtt ttcctgtggc 240
 caatntcata tcccttattg cttgggnttt gatgacntgc ttgttggttaa ggctttgctt 300
 tccttaaggt gctgcaatnt ntatntgcat gtcagcacct gggcccctca gtgttgtcac 360
 ctactgcaaa atgtactcag aagttaagtg tcccttccca g 401

<210> 5369
 <211> 538
 <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> (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>
 <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> (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>
 <221> misc_feature
 <222> (378)..(378)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (422)..(422)
 <223> n is a, c, g, or t

<400> 5369
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 tnttggtnc c antntgctgg gtnttcccca ccgtgcagtt gctgcctggc ttggggggttc 120
 catcatggca tgccgggant ccttccaaag cctgtggctc antcgcaggg aatatgaaga 180
 ggaaggcccg tgggctgtct acaaatatca gctgtgagca cataaactgg ttntgcttgc 240
 tttacgtant gntgcatggt ttaggtggaa ggaggnttgg ngaatgtaag actccagaca 300
 caggggtcaat gaggggggatt tgggtgntcc caaggcatac ctaacctcaa tactcaagaa 360
 cctcatgagc cctggcantc tgccctttcc agagaccccc cagaaccctt tggttgtcat 420
 tntctccagt ctggtttgac ctttaccgca cccaagggc aaccacagaa aatggctgct 480
 gtgggggtttt 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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 cgtctaattc agctgggcat tacccatggt gtgaatgtgg ctgcgggcaa gttccagggt 120

gacacaggtg ccaagttcta ccgtggaaca cctctggagt actatggcat tgaggctgat 180
gacaaccctt tctttgacct cagcgtccac tttctgcctg ttgctcgta catcagagat 240
gccctcaata ttccccgaag ccgagtgtg gtccactgcg ctatgggggt gagtcgctct 300
gccacaattg tcttggcctt cctcatgata ttcgagaaca tgacnctgg agatgccatc 360
cagacggtgc aggccaccg agatatctgt cccaactcag gcttc 405

<210> 5371
<211> 455
<212> DNA
<213> Mus musculus

<220>
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<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 gnnnnngccc aagctaaagt tggctcactt 120
gacaatgctc accacgtacc tggaggtggg 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
aagcagggtt tgtgaatact tctcctttag cactggagta acatttaggc atgagctctt 420
ggcaggagtg ggctctgagc aggtgtcata ttcata 455

<210> 5372
<211> 576
<212> DNA
<213> Mus musculus

<220>
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<222> (50)..(50)
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> (345)..(345)
 <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> (434)..(434)
 <223> n is a, c, g, or t

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 tctgaagaag gaaaccctgc ctatatcttc aggaagatga cactnnttaa ccaagagaaa 120
 aatganagcc gtcaacttac tcagattcag tacacagcct ggcctgacca tggagtacct 180
 gatgattcga gtgactttct ggattttggt tgtcatgtac gagaccagag ggctggaaaa 240
 gaagagccca ttattgttca ttgcagtgct gganattgga aggactgggn ttcttattac 300
 tatggaaact gccatngn tn tcattgaatg caatcagcca gttnttccac tagacattgt 360

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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

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<210> 5373
<211> 485
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<220>
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<222> (110)..(110)
<223> n is a, c, g, or t

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<400> 5373
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ccctcaacat gcactacaac aaagcaaatg actttgaggt tccagagaga ttcctggaag 180
ttgcgcgagat cacgttacgg gagtttttca atgccatcat cgcgggcaaa gatgttgatc 240
cttcctggaa gaaggccatt tacaaggcca tctgcaagct ggatagtga gttcctgaga 300
ttttcaaata ccctaactgc ctacaagaac tccttcacga gtagagattg caacgctctt 360
ttgaatgtat ggatagaaga attccccctt ggatgtccaa cttctctgtg tctagatttt 420
ggttttatat atttgtgtgg gggaggcatg gatattgtgt gatgtcagct gttggttcct 480
gctca 485

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<210> 5374
<211> 388
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (207)..(207)
 <223> n is a, c, g, or t

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 cccttggtca ttgtcatcct cctctgccgg acggagggac cgctccgcgt gagaatcaaa 180
 tacctgataa cccccaggga gcccaancgc tgggctgtgg agcgtgaagg ggccacaccc 240
 tttcactccc gagtaaccct catgaacggc gcactcatga aaccagtcga cgtcattgtg 300
 gagaccatga tgtgagggtcc gggccatgtg acaggcgccg ctttctgtgt 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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 taccacagtg ggtcccaaga cctggatgga gttaacgata tcctgtttct tgcccttaaa 180
 acttgacacc gtctttccat tctcctcctt ctttgaactg ttttgctagt gttttgtaga 240
 gaaaatatgc taagccctgt gctcactacg gctttctacc aacacaaaaa taccaattat 300
 ttccccagcc tgaaagatag ccagaatan 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 ttcttcagc aaccagcca cggtggtaat 480

ctagagacac gagaaccac 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

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<221> misc_feature

<222> (112)..(112)

<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> (126)..(126)

<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> (138)..(138)

<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> (174)..(174)

<223> n is a, c, g, or t

<220>
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 <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 taggggtcaa 360
 gaagcagttg aaattgattg acattttgaa aaggca 396

<210> 5378
 <211> 526
 <212> DNA
 <213> Mus musculus

<400> 5378
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 gtccttacia 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
 gagtgccaaag gaccgcacag ccatgtcggg gaccctggag cagtgtctga tcctgcagca 360
 cgagcacggc atggccccgc aggtcttcac acaagccctg gagtgcacgc gcagtgaggg 420
 ttgtcggcga gaaaacacaa tgaagaatgt tggaagtcgc aaatatgcat ttaactccct 480
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<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
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 cctctgcttg taaggctgtg agtgcatttc agtccatgtc gggagggtca atgttccagt 120
 gctcatggca gcatcgattc atggcaaaaa aacaaaactt ggtcaagaaa atgtacttca 180
 aaagtacact tagaaaaaag agaatcaaca gtaggagaac cacaggagct ccataactag 240
 ctgggagtggt 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 cgaggaggtga accgcagagg agacgctggc tcaggccttg gccctctagg 120
 caggggaagct ggactgacca tatctgctgg gcatctganc tgcctgccac gaggtccaga 180
 ctcttctgca tccacctatg gcatctgggt ttgctgtcac cctactttgt tntggccttc 240
 ctggtgtaag agtctgtgtt ccttgggtcaa gcttcctgat tcagaccagc tccatcaagc 300
 aacctcggga aactccttgt ctgctgggca tctgacctgc ctgccacgag gtccagactc 360
 ttctgcatcc acctatggcg tctggggttg ctgtcacctc actttgttat ggccttcctg 420
 gtgtaagagt ctgtgttcct tgggtcaactc 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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 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 atacccttgt 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
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 cgccctggac caccgcctc tcctgcagcc tcagccctca gtactcgggtg 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 aggccttggc agccgctgag gaagaggagg 360
 aagatgagga agaggaggag gatgaagacc tggaggactg aggccccaag ctccttccca 420
 tagcccttcc ccttatngt agcaacagat tgtattttcc tat 463

<210> 5383
 <211> 313

<212> DNA
 <213> Mus musculus

<400> 5383
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 acatagagaa caaccgactg gaacagctgc cagcatcctt ggggttaatg ccaaactctgg 120
 aagttcttga ctgtcggcat aatcttctta agcaactccc agatgccatt tgccgtactc 180
 gaaatttgag agagctgctg ctggaagaca atttactctg ctgcctccca gagaaccttg 240
 atcacctggt aaatcttaag gtcctaacac tgatgaacaa ccccatgggc 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
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 agagatgctg aaagtnaaca agaccttgaa aagtctaaac gtagagtcca attttatcac 180
 tggcactgga atcctggccc tgggtggaagc 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>
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 <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

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 cccagtcttg aggggctctt gcaagatagc tgtgcttttg caaggacaga gctgctggac 180
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 ccggaaatct cccagacttc tcagtgggtgt 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
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ggaggccttc agaagaacag aagcactgga ctgaccactc cctatatttgc tacctcgaca 120
 gtagaagtaa tatttcatgt atctacacga atgccttctg attctgatga ctctctgacc 180
 aaaaaattga gacatctagg aaatgatgaa gtgcacattg tttgggtcaga acataactaga 240
 gactacagga gaggaattat tcctactgag tttgggtgatg tcctcattgt aatataacca 300
 atgaaaaacc acatgttcag tatccagatc atgaaaaaac cagagggttcc cttcttttgg 360
 ccactttttg atggtgctat tgtgaatgga aaagtctctgc ccattatggt tcgatccaca 420
 gcaataaatg ctagccgtgc tctgaaatca c 451

<210> 5387
 <211> 540
 <212> DNA
 <213> Mus musculus

<400> 5387
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 tggacatgga tgatgggacc ttaagtttca tcgtggatgg acagtacatg ggagtggcct 120
 tccggggact caagggtaaa aagctgtatc ctgtagtgag tgccgtctgg ggccactgtg 180
 agatccgcat gcgctacttg aacggacttg atcctgagcc cctgccactc atggacctgt 240
 gccggcgttc ggtgcgccta gcgctgggaa aggagcgcct gggtgccatc cccgctctgc 300
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 atacgacagc cacctgggtgc caagtcactg agcccgttgg ggtccgccga cccctgcgcc 420
 tgggatggat gccaccctc agccatgggc agacgtgccc cctcatccta ccggctgcct 480
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<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 aagggtgggcc tggctgttcg cacctttatg gagaaagccc	180
tttcatttta gctaccagga accagtgatt ggggtagtaa atatgtgtgt tgtgtccttc	240
tatctagagg aagaacaagc taagaagaga caccttatct agcacagaat aaagtactaa	300
actccacctc taatgttaaa attgtgggaa ctggtaagat gttttagcaa aaacacttcc	360
tgacaagcct gaggccctga gtttgaacct tgagaccac ataatggaaa gacagaacca	420
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<210> 5390

<211> 560

<212> DNA

<213> Mus musculus

<400> 5390

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ggctctatgga tggcaaccag ctgattctgt acagggatca cttgactgtg ggtatgcagg	180
tggcagctgc agccctcctg tgcttgtgta cgcattgactg catggaccag caccactgcc	240
tggccataac ttcagtgtct cctaactggg tgtgctttat agctccagct tcctgggagg	300
agcagtggag ccagctccct cacccttctt tgccttccct ctgcctggcc tggaaactcg	360
gcttctgccc attgccctct gaagctgctt cccatctgat gtcactggga gacagcagct	420
gtctgtgggg tattgggggtg caggtagatt agagctgtga aatccatgta cattaatacc	480
caatgggata aacttagatt ttttttttac tctgaactct gaattgtttg tgcacatatt	540
tctgctacca ccaagactgt	560

<210> 5391

<211> 518

<212> DNA

<213> Mus musculus

<400> 5391

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acctcaggtt tggaaaccatc tcctccacaa tgtgattaca ttaggccttc actcactggg	120
aagtttgctg gcaatccttg gtattatggc aaagtcacca ggcaccaggc agaaatggca	180

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ttaaataaaa 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

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<210> 5392
<211> 333
<212> DNA
<213> Mus musculus

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<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 acaccacat atggaatcaa tacctggagt 240
atcagcggag ccttttaaata gaaggcgatg gggagccacg ctggttcttc tcaccctggt 300
tgtttgtaga gtgctacatg tatcggagaa ttc 333

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<210> 5393
<211> 448
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

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<400> 5393
atggatggca cagcccttta cgaggctgtg gcagccatct tcatagccca aatgaatggg 60
gtcatcttgg atggagggtca gattgtgact gtaagcctta cagccaccct ggcnagcatt 120
ggtgcagcca gtattccnag cgccgggctg gtcaccatgc tcctcattct cacagctgtg 180
ggcctgccaa cggaggatat cagtctgctg gtggcggtgg actggctgct ggatagaatg 240

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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

```

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<210> 5394
<211> 389
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

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<400> 5394
gatgtgaaag ttctctacgc agattatgga aacatcgaaa ccctgcctct ttccagagtg 60
cagcccatcc cagccagcca cctggagctg cccttcaga tcattagatg ctactagag 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 aaaagtgtt cactaaaga gataccacac 360
ancagagact gctgttgcac agagttaca 389

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<210> 5395
<211> 496
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

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<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

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<400> 5395
aaacaggtgt atgaccatcc ctaccttttc cacattttct cagcagatac acacttgtct 60
gtagagagc aaactgcctt ttttnatagc cacagacttc taagtaaaag aagcaaacia 120
aggagcgaag tggatatagg agatttacta atggccagtg ggacatctga gaggcaattt 180
gattttgatc atctcatccc acaagcctga agnccagaaa ctctgcctta ctttctgctg 240
caccctccc ccacacgctg ttgtctgttg atgtgctgt caagttttca tccaggtaga 300
gtcctaacia taagccagta tgtaggactt gcctcccagc gcccttgtag ctatagctg 360
cctagtttgc tgttctagat ctaccaaggc ctacctttct cagaccccat ccctacctct 420
tatgaatttg acttctgtc agtcctttag aaagggacag gaaaatgcca tgttctgaat 480
tctgatgcca tttctg 496

<210> 5396
<211> 474
<212> DNA
<213> Mus musculus

<400> 5396
agtgcctcac agctggaaca actgaacaag cggatttggt acatttgtca ggatttcact 60
gaatataaat acacacatca gccaaaccgc tttcctgatc ttatgatgtg cttgccagag 120
atccgataca tcgcaggcaa gatggtgaat gtgcccctgg agcagctgcc cctcctcttt 180
aagggtggtgc tgcaactctg caagacaagt acggtgaagg agtgacctgt gccctgcacc 240
tccttggggc acccacagtg ctttgggtag gcagcacagg ctccagagga aagagccaga 300
gaccaagatg gagactgtgg agcagctacc tccatcacia 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
ggacgaatcc taccttgaag tcttccacta aagggaaagt gcccaatctg aatgaagtag 60

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gaacaatgac agaatcacat catttcataa aagaatcaga cttagaaatt gagtcactgg      120
tggaacatt  ttcatatgac aatgaagaca aacagtcaat gagtgatgat ggacattttt      180
ctggaacaac acccaaatgg tgtcaaaatg atacaaatag aaaaattaca gttcaagact      240
gcatgtatcc taacttgaag tctccactg aggggaaaat acctaccgc agtaaagcag      300
gaaaaatggc ggaatcagct catttcataa tagaatcaga tttggaaatt gaatntctgg      360
aagaaactgt gtcatgtgac agtgaagata aacaactact ggtataaaga tatttcagtt      420
gtttttttca atactgcttt ttggttggtt ttcaattgta tagaaaaggc tataattaaa      480
tatatttttag gttactttgt tagtagtgat ttataaatgt ttcaggcttg ttgtaaccaa      540
gctagttccc aaacaat                                     557

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<210> 5398
<211> 392
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (88)..(89)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

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<400> 5398
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ttgtnaggac agccccccga gggctgttna atccccaagg tgatcgtnag caaccacaat      120
ctggctgaca ccngttcaga acaagcaact gcaagctgtc cttcagtggg tggctgcctc      180
agagctcaat gtccctattt tgtactttgc tgggtgacgat gaaggaatcc aggagaagct      240
gcttcagctc tcagccactg ccgtggagaa aggccgcagc gttggggagg ttctgcagtc      300
ggtgctgagg tacgagaagg agcgacagct ggatgaagca gtgggaaatg tcacgcggct      360

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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 ccagtgaaac 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 ttttaagagta ttagcgttat gggtaagggtt atcaaccctt 180
 taacaaacta gatcttctca agtggtgggg cttctttcca agtttgattt gctttttggc 240
 ttctatcctc tgattggctn ggatatgctt gtaattgttc actgaagttg attaacttta 300
 gtggtcacac atacacaagg gactgtggat ggtctgtgtc aggcatacgt 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 gcctgggtggc 60
 cgccgaacag cagaaggcgc aattcactgc gcaggtgcat cacttcatgg aactatgttg 120
 ggataagtgt gtggagaagc caggaagtcg gctagactcc cgcactgaaa actgcctctc 180
 tagctgtgtg gatcgcttca ttgacactac tcttgccatc accggtcggg 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

<220>
 <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
 cntcttgga tctagtcaag agtcagtgtc gaaganaaag gagagttagt gaaccaaagg 360
 aacataccta aaaattatit ttcttatgca aatttgcagt tntcaacatt taaactaata 420
 tgctgtatta tttgaaggtg tgccttctgt acntntgaaa attatittgt agttcatagt 480
 tattaaacta ataaaagttt tagctattat atttgtgtta 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 ccactgggtct 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 aaaaaatacc aaatcccaaa 180
 tgatcttcag tgtgtgttca tcaagctcct gcccaatgag aactgtgcca aagcctacgt 240
 acataaagtc acagatgtca tgctgtgtgt aggagagacg ggtggaggca aaggcacttg 300
 caaggggtgac tcaggaggcc cactgatctg tgatggtgtt ctccacggta tcacatcatg 360
 gggctctatc ccatgcgcta aacccaatgc gccaggcgctc 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>
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 <222> (212)..(212)
 <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> (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
 taaaattaaa ttgcctaaga cgtcaaattc tacatcagaa acaaattctag aatacaacaa 60
 ttcaaagaaa accttggaag 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 agccttttaa gacgggagga aagaaggaaa gggactcaga 360
 tattgattct ggaggctcaa aagatgcaaa gaaagaggga aagaaaaaag gcaagagaga 420
 atccaggaaa aagaggaata cagaatngag tgatgctgaa tntggtgant ccaaggatgg 480

aaagaaaaaa tcaaacacg 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

<220>

<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
 ttccagtntc cggactntgc ntggcactta antggggatt ccttgnccct ccttagtaag 240
 gaccatttct 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
 gcacctcctt ggttgacccc agaaactcct cccacgcct caatccaatg ccctcggcct 60
 cggcgctcgtc ccctctgcca cccctctgc cagccatctg cttttcctca gctccactcc 120
 tggacttgcc tgctggctac aaactggggc cctcggcttt tgagccctac agcagactag 180
 aacaacagaa agtaggcagc cctggccaaa gtgacaagaa agctgacatn taagagtccc 240
 atccctgtgt gacattgag tccccagcag agcactaccc tagcctcctg gccccgtgg 300
 actatactga gcaggcctgg aagaggaagg gtgggcacag catgcgcatg tgcctctcca 360
 cctgccctca gctcagagac tgaaccaa at gactttggtc ctaatgtact ttctgatgtg 420
 tgagtgttag 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

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<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

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<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 ggaggggtgtc atgaaggaga attaccttgt 120
 caagatcaac acgaaagcca acgacaactc agaggagatg aggcacggt ttagacaact 180
 ggactcaaag cttaacgacc tcaaaagtct tctgaaagag attgctaata acatcaagta 240
 aggctggcga tgcttggtgg gagaaaccaa atcacaatga ggtcncagca accncctgga 300
 tgtggaggct catgggacnc tgatggacag tactgctaata gacttntaaa ggagacattt 360
 tcaggctcct gagcncaggg tggatgactn ttagtcnccc tcaagggcat aggtcaggga 420
 gcaaagtgt cagaggactt tacncctgaa naggggtgca aaggaccatg ttnttctgtg 480
 aaggngcctg tgttttntgc atctcagagc cttgtcctga tgctgaggga ttangtggtg 540
 acnctccttt ccncgactg 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 aagcaacta cggaggggca ggacttgaat ctggagaaaa 180
 caaaaattcc tacaacaac tcttaacccc caaactttta agctgtaaga agaaaatgga 240

tacacagtca ggaggggaagc cgtcaacctc tgaaagcctc agacagtgac tctggcgatc	300
agctgtcccc tcagtgtgct gctttattct gtctgacctt taccacagga tggagaatga	360
tattggagtt cccttagcag tactaaaccc gtcaggcaag atcacctgtc attgaaatat	420
tttcatgtct agatgagtct gcacgttttc c	451

<210> 5412
 <211> 413
 <212> DNA
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tctgaagaaa atcccctgac aacactgttt aaaaaggtat aaattagtat gtttggcttg	120
gtttgaacaa tatgaacagt tttaatatatt atttatgtta atattcttaa cagtttccaa	180
agtatgtgta cctccaactc tctttgaagt gttctggcct tacaactgct cagtgttgca	240
taaaacaatc tatttttata tttgaaagac gaatgaagct atttcatagt ttgccaaca	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	
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attcattt	68

<210> 5414
 <211> 296
 <212> DNA
 <213> Mus musculus

<400> 5414	
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ctgctccgag aagtgggaat cctggctacc tctactggga gccactctta gtgctaactg	120
gtgacacaag tctactcgatg accctgttgc agagcgaggg taatgggctt tgctctgcta	180
agagacacgc agtacagttt ggagtgaacg cagtatctgg gtgccagtta agaccagag	240
aggatgaactg cagccacttg caggaggagg ttatcagac 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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tccactaaaa cccttcgtcc tcaactgaag tgttgcccaa gcacaagtgt ttggagctgg 180
 gtaccaagt ctggcaacta tgaccgtgaa tgactggtac gagcagcgcc agaaaaatga 240
 ggtctcacca actcttcagg aagcagaaaa gcaggcacca ccatctgaga ctttactgt 300
 atctgagaag gaaganccag acctnnagca aaaggaagna tgaagangag aatnccctnn 360
 acaggatgca ggagtgggat gantggaagg acantcatcc taggggatat ggcaaccgac 420
 agaacatggg ctaatntccc ctcccctcgg tgtgaaaaga tgaaggagnt ntcaccttcc 480
 cagacaagga aaaccctgtt ntcttcctt cctcaggccc ctgcttcaga agtgtgcaac 540
 a 541

<210> 5416
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 5416
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 ttctaaatga agcagcaact tccaaagggg atgtcgggaa aagacgcac 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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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

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<210> 5418
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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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 tgtgtacaca ttttccaagg ctctgagtgt ggaatacaga gataaaggaa tcattattca 180
 ggtgctgacc ccttatttcta 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>
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 <222> (438)..(438)
 <223> n is a, c, g, or t

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 ggcaggagac tctggctctg aggccagctt ctatggcaga gccacaggga gacgaaaaac 180

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ccggagagaa cactgagctt gtgaaaagag cagttctgga tccctttgaa ccaaagcca    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
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<210> 5420
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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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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ttccagtatg cacagaacct gatattatgg gctatTTTTA tgaagcttgt agttctgggt 120
 ttccagtgtga tagctttcag gattagctgc atgaaagatc catttctaata gatgcagata 180
 tattgctaca agttctctac cttagttttg ggtattagca gtctttttat atttggtgct 240
 gtgagctgga accatatggt agatctttat ggccaaacta ctcttgactt tccacccaaa 300
 tttcctgtcc agaaagaagc cttgaaaaac annnatnnga ctntgtatt tccntgggn 360
 atcctgactg cnacnanntc anttttnngn gggatcnnt tntttntga gataagctat 420
 ttgaaaatac agantcnant tgaggccaag agtgtttcca aagtggccct tcaagnggcc 480
 tgaagtgagg ccttntgcat agccaacatn tgtcagatgg ntnttagaag aaatttacia 540
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<210> 5421
 <211> 510
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 gatgttcagt tcgtggaacc tccgtttgat gacgcaattg ctgattcagg caaagaatgg 120
 aaaagtgcc tggcaaaatt aaagttcgct aattcatata gaatggagcc actgaagaaa 180
 tttcaagcac attcggtaga aactaaaatc cagcagatat taaaggacag tcttaaagat 240

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gtcaaatatg atgacaaagc ccctcatttg tcacttgaat tggcagatcg aatattggca 300
gcagtcaaag aatttgcata ccatcgttat aaattcatta tacaagtatt atttattcaa 360
aagactgggtc aagnaataaa tattgccagc agatggatct gggatgtggc atgggacaac 420
tggttagaag ctaaacaatga aacagagtct tacgtggtat tggccttggg gtttgctctc 480
tattgtgaat agctcaggac cagcattttc 510

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<210> 5422
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<213> Mus musculus

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<223> n is a, c, g, or t

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gcaaagaatg gaaaagtgcc ctggcaaaat taaagttcgc taattcatat agaatggagc 180
cactgaagaa atttcaagca cattcggtag aaactaaaat ccagcagata ttaaaggaca 240
gtcttaaaga tgtcaaatat gatgacaaag cccctcattt gtcacttgaa ttggcagatc 300
gaatattggc agcagtcaaa gaatttgcac accatcgtaa taaattcatt atacaagtat 360
tatttattca aaagactggg caagnaataa atattgccag cagatggatc tgggatgtgg 420
catgggacaa ctgggtagaa gctaaacatg aaacagagtc ttacgtggta ttggccttgg 480
tgtttgctct ctattgtg 498

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<210> 5423
<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

<400> 5423

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cccgcaccca tggaactttt gggcgtgagc ctgcagcagt caagcccgat gatgacagat      120
acctgcgtgc agccatccag gaatacnaca acatcgccaa gctggggccag atcattcgag      180
aggggcctat taagctgata cacaccgacc tggaggagga gcctggggac cacagcccag      240
gccagggcag cctccgtttc cgacacaagc caccatgga 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

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<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 tgtccatggt tttattgtct attgtggcca caaatacttc aaagtaccat      240
gtgacaattg ccccttccat atgatttaca tgtggcagag tatggaatta ggaaaaggac      300
acactgtagt ctttttctag acagcatcca aaaataaatt ttactactat gtattcataa      360
tatagatgag cttttcaagc aaattcttcc ttgtattatt ctctgtattt tg              412

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<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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<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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<222> (292)..(292)
<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

<220>
<221> misc_feature
<222> (349)..(349)
<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> (419)..(419)
<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> (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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 cccaagtcc ctgtctccaa agctctttat cttagtaa atctgcaagg ctccagtctg 120
 gcaggggtca acataaggac ggccttcaaa acctttgcta aaaaaaaaaa ccccntttt 180
 ttttaacccc cntaaccna ttaaaaaaaaaa aannccctga cggggtcctc ttccagactc 240
 atgccatgct ttggaatagg gcaagccagg gcttgtttgg actggtcatt angctancct 300
 aatctctgca tagcttgac cttgatangt tggagggagc ccccttttnt atcttaccct 360
 gnggcaaggg tttgcacaac ccctgcggaa ggcacccctc cccacacaca ctttcttang 420
 gaggggggtgc tggagtntnt ttttttgttn gctgaggaga tactgctgaa aggttgccct 480
 ttccccangc tattcaccat acctacntct ggggacgaaa ggtaaccgga 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
 tgtctttggt acgacaaccc agctgattcc tgctcttgca aaagtcctgc tctacagcct 180
 aggaggtgct ttccccattg agaacattta cagcgcaacg aaaataggca aggaaagctg 240
 ttttgagcgt atagtgtcca gatttggcac taacataact tatgtttgtga ttggagatgg 300
 ccgggatgag gagcacgctg ctaaccagca caacatgccc ttttggagga tatcaa 356

<210> 5427
 <211> 418

<212> DNA

<213> Mus musculus

<400> 5427

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aagaggcgac tcatttttac cgtgggcact tccagcacca caggtgagac cgacaccgtg      60
gtgtggaacg agatccacca caagaccgag atggaccgca acgtgacagg ccacggctat      120
ccggacccca actacctgca gaatgtgctg gctgagctcg ctgcccaggg agtgaccgaa      180
gactgcctgg aacagcagtg acctcggggc tgcctctgcc gacccacag ccctgggcgg      240
ggcgggtggg caggaagggtg tgccttcggt gagaggcaag agtgtgtgtt gggtttgtgt      300
agcccactgg ggttgcacct cctcctaaag gttgggcttc ttgcctctgc tgccaccatc      360
ctgtctgcgc cggggctctgc ctggaaaatg ggcaccctcc tcagtattgt acttgtgg      418

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<210> 5428

<211> 411

<212> DNA

<213> Mus musculus

<400> 5428

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gtggagtaac tgagcccgta acttcccaca gggacgactg ctgccttgtc tacagaaggg      60
aaatctcggg aacggctgtc tgctgcgaca aggagtgtct gtgcccatcg ctctgtttca      120
cctgccagcc tcctgtcccc aggggggggtg tcacacaccc gggcctcccc aagtgatggc      180
tcttgagccc aggaacatgc atggccctca ggatgaggag cccagcaggg acacagttct      240
gtcacagctc ctcttgtcct tgtctttcct tcccagggtc cagtctttaa tttcaaggaa      300
aggagagttt gaagttggca ttctgttaac aaaatcaggc agtctcattc cgaataggtt      360
ctatgtacac gttccgatgt tttgtagaac actcgtgcct gttgaaacgt a              411

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<210> 5429

<211> 267

<212> DNA

<213> Mus musculus

<400> 5429

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tgcacagtgc agacgtagag ggattttaaag acccagctct ctacacttcc tggttggagc      60
ctgttgatgc tttcagtgtg tggaaaaccc agcgagcctt tgacaagtat gagaagtctg      120
cagccctggg cagcaacagc cagctcttag taaagccact ggatatgatt gtgggcaagg      180
cgtggaatat gttctcatcc aaagccttta tccatcagta cacaaaattt ggaatggagg      240
aggaagactt tttggacagc tttgcat                                267

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<210> 5430
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 5430
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 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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 gtgctatgga tgccccctga aactacttg gtccttctga ggctggctctt cttcgtgaac 180
 gtgggtggtg tggccatgag tgagatctac gacttcatgg atgaattgaa gccccacagg 240
 aagctggggc agcaggcctg gctggtggca gccatcacag tcacagagct tctcatcgtg 300
 gtgaagtatg acccgcacac actcacctg tctactgcct tctacatctc ccagtgtctg 360
 actcttggct ccacctcgtt gcttacatgg actgtctggc gcttcttctt gcgggacatc 420
 accatgaggt acaaggagac ccggcgacag aagcagcaga gtcaccaggc cagagccgtc 480
 aacaaccggg atgggcaccc tgggcccagat gatgacctgc tagggactgg aactgcagaa 540
 gaagagggga ccaccaatga cgggtgtgact 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

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 caagacagga gcccggcacc catgagttgt gacaagtcaa cacaaccccc aagtcctcct 180
 tgccaggcct tcaaccacta tctcagtgc aatggcttcca tacgacagtc tcaggaggaa 240
 cctgaagatc tgcgcccgga gatacggatt gcacaggagc tgcggcggat cggangacga 300
 gttcaacgaa acttacacaa ggagggtgtt tgcaaatgat taccgcgagg ctgaagacca 360
 ccctcaaattg gttatcttac aactgttacg ctttatcttc cgtctggtat 410

<210> 5434
 <211> 449
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (372)..(372)
 <223> n is a, c, g, or t

<400> 5434
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 cctgattgag gcagtagctg agccgccaca gcactctgac ctgagggtcac tgccaacccc 180
 tgctagacaa caccagtggg cttcacttac tgctatatcc tcttttagac aggtttctca 240
 tgctcccata ctttcaaaaa gccagaggc tgactcccag caacagtgac taaccgttcc 300
 tgccaacagg gccagagcct caaagtcctt ggtacaagca gccttcacag aggaccacga 360

ctntcctagg tnccttgagg ccacgccagt gcccatgggc ttccattcct ctgttactct 420
 tttcaaacag ctcttcattgt 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 gtgggtgctgg ctacacattt ggacaagaca tttctgaaac atttaaccat 240
 gccaacggtc tcacactggt gtctcgtgct caccagcttg taatggaagg atataactgg 300
 tgccatgatc ggaatgtggt caccattttt agtgcgccca attactgcta ccgttggtggg 360
 aaccaggctg ctatcatgga attagatgac actttaaaat attcatttct tcagtttgac 420
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<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

<220>
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<222> (229)..(229)
<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> (240)..(240)
<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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<222> (261)..(261)
<223> n is a, c, g, or t

<220>
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<222> (273)..(273)
<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> (291)..(291)
<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> (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

<220>
 <221> misc_feature
 <222> (377)..(377)
 <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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 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 ggtaaattgac cctcaccgaa 120
 tggacaagcg cttgctggcc ctcatctacc tagcccatgc ctcggtatgtt ttggaaaatg 180
 cgtttgctcc tcttctggac gagcagtatg atctagccac caagagagta cggcagctcc 240

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ttgacttaga cccagaagtg gagtgtctga aggccaacac caacgaagtt ctctgggctg   300
tggtagctgc gtttaccaag taactgtcag aattcaatgt ttcctttttc tcatgtgaac   360
cagtagtttt tcttctattg actctggttt                                     390

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<210> 5438
<211> 538
<212> DNA
<213> Mus musculus

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<220>
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<222> (112)..(112)
<223> n is a, c, g, or t

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gctcgccatt ttcaagaaag cgttgccagc cctcccatc tccatcacct tncgggctcg   120
tgtttctactt cgccacggat taccttgtgc agcccttcac 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 tgggccaaagg   480
agctgccgtg ctctgctagc tttgaccctg gggcatggag atttaccctg actgtgaa   538

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<210> 5439
<211> 470
<212> DNA
<213> Mus musculus

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<400> 5439
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tcacatcagt gactctgacc acttttgttc tcaaactctc tcactattat ctgtggttgc   120
cgtttcttcc caaggccagc ctggacgaat ttgggggttg tctatcctga gagttgtaac   180
ctcaacttcc aaagtttata ttttcttgaa atgatggatc tattgtcaa cagtcctgt   240
catccttaag tgacttctgg gtttcccaca aattcctcac ttttagacac actctaagct   300
tacttctggc ctggatgctt cctctccctg tctctccctt gccccacagc ggttccctga   360

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cagcagacaa ggcagctctg ggaggtagct agtatccaat aaccagggg tttcctcatg 420

tgatgcaaat actacgtgtc caaccaatca gtgctgtcaa cgggctgcca 470

<210> 5440
<211> 507
<212> DNA
<213> Mus musculus

<220>
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<222> (231)..(231)
<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> (263)..(263)
<223> n is a, c, g, or t

<220>
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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

<220>
<221> misc_feature
<222> (324)..(324)
<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> (348)..(348)
<223> n is a, c, g, or t

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<221> misc_feature
 <222> (361)..(361)
 <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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 cttcccagcc ttcttaacca cagtaccccg catcacttaa aaacagaagc attgcctctg 120
 gtataccaat gagccaagtg gagtttgaaa tggcctgtgc ttcactcaag cagctgaagg 180
 ggctgtgtgag tgatcaggag aaactgctgg tgtacagctt ttacaaacag nccacccagg 240
 gngactgtaa catncctgt ccttcctncc 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

<400> 5441
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 gctgtccacg ctggacgaag ccttcgaaga actgagaagc aaanantccg gtggactgaa 120
 ggcagcaatg atagagttgg tggaaagggtt aaagttcang agctcagacc ctaaagtaac 180

tcgagaccag atgaagatat ttatacagca agaatttaag aaagttcaga aagttattgc	240
tgatgaggag cagaaggccc ttcatttagt ggatatccaa gaagcaatgg ccacggctca	300
tgtgactgag atattggcgg acatccaatc tcacatggat aggttgatga ctgagatggc	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 ctttaagtttg	300
caaccaaact cgtagaagaa aaaccaacaa aagaaaactg gaaaaattgt attcaactca	360
tgaaattact tggatggacc cactgtgcat cttttactga aaactggctc cccatcatgt	420
atcctcctga ttatttgtga ttctaaaata agaaccacaaa ctttacattt caaacagaa	480
aattttatag tgaatggata tatgaagaat tgtgtggcat ttttagtctg actaatgcat	540
gttttcac	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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 agacaagccc tccagagacc cagagactcc ccagtcctca ggttctaagc gcagcagacg 180
 aaaagcaaac agcaagggtc 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>
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 <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

<220>
 <221> misc_feature
 <222> (458)..(458)
 <223> n is a, c, g, or t

<400> 5445
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gtcccacctg acaaacccaa gcaccagact gaagacgatt tccagaggga gctcttttcc 180
atggatgtcg actcacagaa ccctatgttt gacgtcagca tgaccgctga cgcgctggat 240
acacctcata tcaccccn gn ctccaagcca gtgtagcact cccccagcaa cgtaccacaca 300
gccagtgtct cccccccagc ccagtattca gaggatggtc cgactgtcca gttcagacag 360
cattggccca gatgtaactg atattctttc agatattgcc gaagaagctt caaagcttcc 420
cagcacgagt gatgactgcc caccaattgg caccctntt cgagattcct caagttctgg 480
gcatttctca 489

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<210> 5446
<211> 363
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

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attcatctct tcaacacacg ccgcgnggag aaggaggagt actttgagtg tgtccatggg 180
gagtgtattg ctgacttgac ttttgacatc actggccgct tcctggcctc ctgtggggac 240
cgtgcagtgc ggctcttcca caatacccct ggccaccggg ctgtggtgga ggagatgcag 300
agcctcctga agcgggcatc cagcgaaagt acccgccaga ggctgcagca acagctaacc 360
cag 363

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<210> 5447
<211> 528
<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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<400> 5447

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ctctgggcac caaagaaggc tatctcacca agcagggagg cctggtaaag acctggaaaa 180
caagatgggtt 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 gggcacgggt gactgttcca ggtgtctgat ctgtggca 528

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<210> 5448
<211> 304
<212> DNA
<213> Mus musculus

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<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

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<210> 5449
<211> 500
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (420)..(427)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (429)..(432)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (434)..(434)

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<223> n is a, c, g, or t

<400> 5449

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agcaggagga ctttgccggc aaagcagctc agtaccagaa ggaggtgaag cacctacatc      180
ggatgctgca ggaaaagcag gaggtcctgg atgagggcgt gcagcagaaa agaaatatgg      240
aaggtgagct tgaaatggtc ctggagtcca ctgccaagga gaacaggagg atgcggagcc      300
ttctccaggc caccctggag agaagaagca cacagcacgt cacagctcct ccggacactt      360
gcttgagacg ctctctcag ggagacctac tgattggcca tgatttcagc tatggtgatn      420
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<210> 5450

<211> 571

<212> DNA

<213> Mus musculus

<220>

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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> (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>

<221> misc_feature

<222> (370)..(370)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (399)..(400)

<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (502)..(502)
 <223> n is a, c, g, or t

<220>
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 <222> (545)..(545)
 <223> n is a, c, g, or t

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 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
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 <223> n is a, c, g, or t

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 ataccagacc tgcattggccc cctgatggtg ttgaaccacg tggtagaggca ggactatttc 180
 cccaaggccc ttgcaccctt gctcttgga tttgtgacaa agcccaatgg cgcgctggaa 240

acctgctcct ttgcccgcc caatctgctg cagacgctat acaacatcta gatttaaagg 300
cagctgctnc ttgtccctcg ccctgcccc gtgactgagg gtcttgatg gactgnagct 360
cggccagcat ctccattgga tattttgacc agaggaaggg agagggctct gtctcctgtg 420
tcatattggt cctttgatac tgtgttggtt tgggtgtgtgt gtgtgggtat gtacttcctg 480
tctggattgc agatcttcat ctccctg 507

<210> 5452
<211> 132
<212> DNA
<213> Mus musculus

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cttgctgcag gctgtcacia acaccaggt cattgatggc ttttttgtga agcgaaccat 120
ggatattaag ga 132

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<211> 113
<212> DNA
<213> Mus musculus

<400> 5453
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actttgcttt actgtttatg ctcatgtaat cttgacaggg aaattgtcat ttt 113

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<211> 431
<212> DNA
<213> Mus musculus

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gcagccctac tcatgagcgc tccccctccc cctcctttcg gtggcccttc tctggcaaga 180
cttccccatc ttctcccca gcaagtcttt ctaggtgcag ggctgtgacc tgtgacatca 240
gcgaggatga agaggactaa cttttcatcc ctgttccttc tctccccac tgcccatcac 300
ctccagaagc tctctgtcga attccatttt gtgatcccaa cactaaacct aaggacatct 360
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cctgagacat t 431

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 gatacgaaac agattgaagc aaaggagttg gaattttcaa atttatttgc tgttcttcac 180
 tgtattcatt ctttttttgc 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
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<210> 5456
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 <212> DNA
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<400> 5456
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 tgtggcacia tcaacctcca acagctgacc cacactgggc tacctcgggg agcacatgag 180
 ctggggcatc tttgaggaca ggaggctaag gctactttct agcaaccctg ctgcactgag 240
 gtgcaggggg ttgctctacc ctggagacgt agccagatcc ccaagctaca ggagctggcc 300
 cttggtcgtg gctgctcgga gcttctgtgg catggtctcc tggctctttc tgcagctcca 360
 tgtggcccag ggaatggcag tgggagaagg caggagactg gggggacttg ggactgcagg 420
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<210> 5457
 <211> 514
 <212> DNA
 <213> Mus musculus

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 gcctcacgcc ccctcatcca ggagctcaat gatgagccgg cagaggaagc agcaaaccag 180
 ccaactgccgc cccaaacctg tgcgagtgc cctgcacttg cccaccctag tgaagatgga 240
 gacagcgaca gccagctgcc tgcagccact ctgctaggag atggagcgga ggatgaagca 300
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 ggcttggact gaacccaag gcagtctaca ttgttgggct agcgggtggcg cagcagatgc 420
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 <212> DNA
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 tgaggaatcc gaaaacgagg atgatggcta tgatgtgcct aagccacccg tgccagctgt 180
 actggcccg cggaccctgt ctgacatctc caatgccagc tcctcctttg gctggttgtc 240
 tttgatgggt gaccctacaa acttcaatga gggttcccaa gttcctgagc ggccccccaa 300
 accattccct cggagaatca actcagaacg aaaagccagt agctatcaac aaggcggagg 360
 tgccactgct aaccctgtgg ccacagcacc ctcaccgcag ctctcaagtg agattgaacg 420
 cctcatgagt cagggtatt cctaccagga cattcagaaa gctttggtca ttgccacaa 480
 caacattgag atggctaaaa acatcctccg ggaatttggt tctatttctt ctcctgct 538

<210> 5459
 <211> 535
 <212> DNA
 <213> Mus musculus

<400> 5459

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cgtgaaatta gaacaactth ggaaaacgaa caacaagag agaaagaaga ttaacaacaa      180
atthtgtgag cagtatataa ctacatttca gaagthtgat atggatgtcc agaaattcaa      240
tgaagaacaa gaaaaatcag tgaacaatta tcaaaaagaa caacaagcat taaaactgtc      300
caaatgtagt cagagccaga ccctggaagc aattaaagac atgcatgaaa actacatgga      360
gggtctgatg aacttggaaga ccaacaacta caatatgctt tttgatgtag atggtgaact      420
gagaaaagaa atgtcagtggt ttaaaaaaga cctcatgaag catactctga agtactcttc      480
tagthtccca tcttcagact aaggaagcat gcataththg cacttgctgg tacat          535

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<210> 5460
<211> 540
<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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tattthtcaa aaattaccga gtacgtcgga acttgatcca gtctcggctg actcaagaat      180

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gtggagaaga gctaagcaaa caggaggtgg ataaagtgct aaaggactgt tgtgtaagct 240
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actcgacgaa tccaagccca gggaaggatg gcagagccac acgtagtntt gacttncctc 360
aanacacagg aagaggatct ncctacctgg tggcctgtgg cgctgcctgg cccagaggac 420
agaggggctc atgctcagcc agtggcaggn tcagcgtaag tgagagcgct cccagcagag 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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<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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tcaagcctta cctgcagaaa caggcagact ctgtagcaag ctggatggct ttgannnnnn	180
ngnnnnnggc agagttggag cagagaaggc aaaaggncac ttttggagct gacagaacac	240
cccaacatga gcttggagat ccactacaag gctgagctgg aggaagaacg ccgggcgct	300
agacggatgc gcttggctct cctcaaatct aattccactg ggatctgtgc cctgccccnt	360
naccgaaaca acctntccct ggacaacgnc ctnttcgatg aggacaaaca gaaccagatg	420
attngtgacc tccagcagca gatnttagag caaaacaagt tacaccagga gtttttggaa	480
aaagccagga aacgcttgca agagtttcaa aaatcatttt aaaagcagac ccacccatga	540
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<210> 5462

<211> 432

<212> DNA

<213> Mus musculus

<400> 5462

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gaagctggcc gaccaagagg agtgtctcaa gcacagtgc 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

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<212> DNA
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ggccagggttg 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 taaaaccag 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 ggcattgaagg cccgggagct gttccgtaat aagagcgaga gccagtgtga 180
tgaggacagc gtgaccatga gtagcagcag cttttctgag accctgaaga cagaactggg 240
caaggactcg ggcacagaaa acaagacttc cctgagtcta gatgccccac acccatcttc 300
cccaaactca gacaatgtgg ggcagctcca catcatggac tacaatgaga ctcatcctga 360
acacagctga agaggggtctg tcagtgttca tttgcgtctt tgtcggcaca gaacagaagg 420
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<210> 5465
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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> 5466
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 gttgatcatt gcatggaagt tcagggcggc cacacagtgc gagttctcca aacaggagtt 120
 catggatggc atgacagagt taggatgtga cagcatagaa aaactaaagg cccaaatacc 180
 caagatggaa caagaattga aagaaccagg acgatttaag gattttttacc agttttacttt 240
 taattttgca aagaatccag gacaaaaagg attagatcta gaaatggcca ttgcttactg 300
 gaacttagtg cttaatgna agattttaat tcttagactt atggaataaa tttttgttgg 360
 agcatcataa acgatcaata ccaaaagaca cgtggaatnt tctgttagac ttcagttcaa 420
 tgattgcaga tgacatgtcc aattatgatg aagaaggagc atggcctntc cttattgatg 480
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<210> 5467

<211> 536
 <212> DNA
 <213> Mus musculus

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 <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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 taacatctga aacagacacc cgatatcttg atgaagaatt tacagcntca gactattaca 180
 ataacaccac ctgaaaagta tgacgacgac ggcattggacg gcatggacaa cgagcggcgg 240
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<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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 tcaaaaaatt gggttttttat tgagttttca gtccttggat ttatagggaa actcttttga 180
 tcgaaggacc tcactgactt tgtgcatttt ttcctgatgt tctatgagac aaagcccata 240

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gatatacttt tagatgacat tttcctgac cgggtgtgca tctcagggga gcctgttagg      300
agctgtttgc agcgaaagaa gggatttcga attcagtaca gaccatctct gttccagcat      360
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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> (271)..(271)

<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

<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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 gaaataggaa gcagagactt ggttcagccc aaggctggtt gcatcgcccg cctttttgtc 180
 ttttaacgaa cacgttttag ntntnanncc accantnnnc tctatgtgan tccatnntca 240
 nacactntng ngangnecat atntnnnnta ntcantcatt nttaaacaca tcacagatgg 300
 acctatggat agtntntncag tgtttatttt gggaacacgt tntctttctg tnttntntc 360
 actgatttcc gactgcattg ctgttgagat aagttttnta tgtaatagtn tcagaggact 420
 cctgtaaact catgtggaat gcatgaccga cccctgggca cactttttca atgggtt 476

<210> 5471
 <211> 486
 <212> DNA
 <213> Mus musculus

<400> 5471
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 aaaaaagtgt cttaaataatc tggattctat gggacaaaaa ggccacagga tctgtgagat 120
 tcttcttcag tatttacagg atgaaagcaa gaccaaaaga aatacagatc tcaacctctt 180
 agagtggacc cactacagca tgaagccaca tgagattcct cagcagttga atgggagtga 240
 ctgtggaatg ttactttgta aatatgcaga ttatatcttct agggacaaac ctatcacatt 300
 cactcagcac cagatgcctc tcttccggaa gaagatggtg tgggagatcc ttcaccagca 360
 gttgctgtga caatgccccg cctggtcttc tagctgctgg tggttctttg atggatgttt 420
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 tgaaggggna ggaccctcta tccctctgta angtgctgtn nggggccagt gccaggtccg 180
 catccgctac atgggcgaaa gangagtngn ngnancnna nnccttctgn acctgagccg 240
 cctgtgtgtg cgccatgctc tgggggacac ccggctgggt caaatatcca ctctgccttt 300
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 caccctac 368

<210> 5473
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 <213> Mus musculus

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 ccaagctctt cctcctcaag tggtccttct acagctccat ggtaatccgg gacctgaccc 180

tgcgagcgtgc	tgccagcttc	ggctccttcc	acctcatccg	gctgctctat	gacgagtaca	240
tgtactacct	gatcgagcac	agagtggccc	aggccaaggg	cgagacccca	atcgagtc	300
tgggagagtt	tgcaaacctg	gccacctcac	tgaatccctt	ggaccctgac	aaagatgaag	360
aagaagagga	ggaagaggag	agtgaggatg	agctgccaca	agacatctcg	ctggcggtg	420
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<210> 5474
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 <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	gttgactttg	cacatgaaaa	ctgaaacaga	aggaagggac	420
gggattcacc	taactctggg	gagggaaacc	aaggcagaac	caaatgagc	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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cctgcgtaca	tgaaatcccg	tttaacatat	tgtcaaatta	atgatattat	taaggaaatt	180
aacaaggcag	tagttagcaa	atataagatt	atgcatcaac	caaaagcatc	tatgagctct	240
gtgaagagaa	atctctacca	gagatttatt	aatgaagaaa	cgaaggacac	gaaagggtcat	300

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354

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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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ttcttgctgt ggcaagcgcc tccatcctca gggggaggag accagagatt gcccagccac      180
tgcncnang cancctctag gaggtgaact tngacctggg gtctgtgtga gacagacagt      240
aggcactntg aaatnctgaa ggaggtngga agagatgtgc aaatgagggg acagaaacct      300
cctccctgct nagcggacta cacaccaggt cccaagaga ggcctggctg gtaacacaag      360
cctttcttgc catcttaggc caaagagtgc aggagtctct cctctgcaga aggttggttg      420
tgtctgttct gtggctggga agaaagtgcc ccttcagggt taaaagcggt ctgtcctcaa      480
nnnnnnnnnn nnnnnggcct tgttccctgt cctctcagcg agatttacct gg              532
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<211> 510

<212> DNA

<213> Mus musculus

<400> 5477

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ctggaagaca tcccagcaga tgagaccagc gccgcccagt ggcttcacaa gctgtaccag      180
gagaaggatg ccctgcaaga gatgtacaag cagaaggggtg tattcccagg ggagcagttc      240
aagcctgccc gaaggccgtg gaccctcctg aacttcctgt gctgggccac catcctcctc      300
tcacccctct tcagcttcgt cctgggtgtc ttgtccagtg gatccccgct cctcatcctg      360
acgttcttgg ggttcgtggg agcagcttcc ttcggagtcc ggagactgat aggagtgact      420
gagatagaga aaggctccag ctatggcaac caagagctta agaaaaagga ataattaatg      480
ctgtgattga acaccataa cctgatgcgg              510
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<210> 5478

<211> 432

<212> DNA

<213> Mus musculus

<400> 5478

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ctgtctccct gagctcccgg ggcctgccag cacactgagg gccaaagctgg gcctggcagc     120
tccatgtcca tctgacacta ggactcagag cacaaaccgg ttcccacgag gcacctctcc     180
tggtccatct gcactttact actcgaggct gaaagcccag agttcccctc agcccccttc     240
cctgactatg aaggacaact gactccatca aggaccccac atatcagaga tcaacactac     300
ggcgccagtg gtcccaggct ccctggccac tgctgctcac cccttctgcc caccctctga     360
tgtcagggac tagagaaaag gggttccacc ctatcctagt ggaatccagg ctaatggcat     420
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<210> 5479

<211> 423

<212> DNA

<213> Mus musculus

<400> 5479

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agctgctcta cagtgtaccg gacagcggcg gcagccggga ctgcagcca gctgcaggac      60
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gagcagatgc cggctccgag tcagcaaacg gacacttgga atgggctggc cgaggaacgg     180
tatggcgact gtcccagggc atcctggccc taattcacat tgccttttc tcgggagggg     240
tcttgcagga acccagacat cagggggcccc ttccaaggga cagtacagag tgctgcgggc     300
cttgggacaa ctcatcttgg gcctcttttc cgaagagggc ttctctcttg gcggccttgg     360
ttctcttggc ttgacaagac tttttttttt ttttctgtga taaatctact tctttgcata     420
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<210> 5480

<211> 364

<212> DNA

<213> Mus musculus

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<400> 5480

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ttgccttttg tgcctttgga agaggagttc attctgggcg tttctaagta cggcataaaa 180
gtntcgacca cggatcagca tgggtgttctg catagggcatg ccctgtatct aatcatccgg 240
atggtgtgtt acgatgatgg cctgggagct gggaaaagct tgctggcact caagaccaca 300
gatgcaagca acgaagagta cagcctgtgg gtttaccagt gtaacagcct ggagcaagcc 360
caag 364

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<210> 5481
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<212> DNA
<213> Mus musculus

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cgctcgagc tcgtggtgca ccagcggacg cacaccggcg agaagcccta caagtgcctc 180
atgtgtggca agagcttcag ccggggctcc attctggtga tgcaccagcg agcgcaattg 240
ggagacaagc cttacaggtg cccggagtgc ggggaagggct tcagctggaa ctccgttctc 300
atcatccacc agcgcatcca cacgggagag aagccctaca gatgcccgga gtgcggcaaa 360
ggcttcagca acagctccaa cttcatcaca caccagagga cgcacctgaa agagaagctt 420
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<223> n is a, c, g, or t

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 agacgcgttt gatgggaggc aaatacatgt taagactgat gagtgaagag ttagccactg 240
 tggaaaccaa cccgggagag ccatggggcc ggccctccct ggaggggatgc ccctctggan 300
 cagagncagt gaggatnatg tgtgnngnaa gcctcctttg acctctnngg aatcntgata 360
 ttgcantca gttgagcctc tgatacatat actatntctg agaacaaata ncaggttttna 420
 tccatctaag gaaaagtctt gctaacttat gaactggact gcatggtttt cttataaacc 480
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ttcagcccaa att 553

<210> 5483
 <211> 514
 <212> DNA
 <213> Mus musculus

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 aatagcactg cctgaagcac acccagcttt gcaaggattt tggagctgga cacagtcctc 180
 caggcctggc ctaagctcca gcaccccttg 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
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 <212> DNA
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 gagcccctac gcccatatgt ttgagatgcc agctggtgag agctcctttg ccaacaagtc 180
 ctcagtgacc actgccggac accatcacia caatcccggc agcggctaca tgctcagcaa 240
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 aaaacaaggc cggacttccg ggcccttgtc accaataagc cagtgggtgtc ggcccttcca 420
 tggggctgtg ccaggctcgtt tccagaagga catttgtata gggaaccagt ccaaccctg 480
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<210> 5485
 <211> 78
 <212> DNA
 <213> Mus musculus

<400> 5485
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<210> 5486
 <211> 235
 <212> DNA
 <213> Mus musculus

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 agaagcagta gccagaaatg aggtcctgga catggcttcc gtggccttgt acagaccatg 180
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<210> 5487
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 <212> DNA
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 ctgaaatcac cctgcagcac tactgtgagt tgcttgctct gtgctgctac ttgggcggca 360
 ctgcccattt atttatattt agattttaaa cactgctgtt ggtgattgtt ggtttaaggg 420
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 ccatatagtt antatgaact gggaatgcta cantatntaa aaggagacta tgccaatgca 180
 atgaaaaacc tcgacaacat aaagaactat aaagantatt ccatggaagc ccggctacag 240
 tttagggtct atattgccct tgaacaaata gctaaattag aaaagtgatt cttaaccacg 300

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tgtgcttctg tgtagtatga gtgaaatatc tacaatcagt caagtaatta gtaggtagaa    360
aagtacttcc tctgtgaaaa gcaaaaatcc aagtggcagc tgctaagaac ctgctaacta    420
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<210> 5489
<211> 453
<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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 tcaaaagtgc caacatggc tctgactggt ggtgtgggga cagtgatgga tgctagggag 180
 gtgatgatcc tcataacagg tgcgcacaan gccttcgcgc tgtacaaanc catggaagaa 240
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 tgtgatgaag atnccactct agaattaaga gttaaaactg tgaaatactt taaaggttta 360
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 gagaccagtg tgtgctccga agaacctttc cat 453

<210> 5490
 <211> 325
 <212> DNA
 <213> Mus musculus

<400> 5490
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 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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 gagcaatttc ctcaaagata aaacattgca acctgcagga aagctcatga agactcagta 180

gtagaaacga gccattaaag gagaatgctt taaatgaaag aaacaagaaa aaagatggtc	240
ttatatagtg gatgggagga ctagccaata gtattagaag gaaaacaaca cgatgaaagg	300
gaccattgtt ttgtgtaaga taaaaacact taaagtctct aggtatgtgc atgtatgctc	360
tatgtaaata tgttacaaat ttatgtctat aaaatctgta tttcagtaag cattgaaaag	420
atatggaaaa gatatttagt gaacaggcag ggaacagaag gcagtgtggt atggggggta	480
tagaacagaa tacagccaag tttgaataaa aggtttttct ttatgtactt ctgtgt	536

<210> 5492
 <211> 499
 <212> DNA
 <213> Mus musculus

<400> 5492 gttcttctat aatgtgcgcc tggctcagaa ggccatccag gctgcccttc ctggcatctg	60
ccacacggct ttggtggtgt ctatatattc cttcatgtac gtagcttttg ggtacttggt	120
gttcggctcag catgaatgga attacagcaa tatgattcac gccacccaaa ccatcttctc	180
ctactgcgtg tcagcctttc agaacacaga attttccggc aacaaggttc tcggggtcct	240
gtttctgtcg tctttcatgt tggatgat 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 cgccatattc tctcggttca taaaaggac cttccattta ggtgtaagag atgt	54
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<210> 5494
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 5494 cagagctccc aggaaacaga ctgacacatg gaaatctgcc acagcagagg cgcgctggcc	60
acaggaggctc actgcttctt tggccaatat tctgatattt ccctgcactg tttccaaaaa	120

gcacatggta gccctaag 138

<210> 5495
 <211> 338
 <212> DNA
 <213> Mus musculus

<400> 5495
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 gtggttgatt cttggcagtc agcagtctgc ggagcttttg caggtggctt tgcagctgca 120
 gtgactacac ctctggacgt ggctaagaca aggatcatgc tggcaaaggc gggttccagc 180
 actgctgtgg ggaacgtgct ctctgccatg cacgggggtgt ggcgctcaca gggactagcc 240
 gggttattcg caggtgtcct cccgaggatg gcagcaatca gcatgggcgg cttcatcttt 300
 ctggggcgct atgaccaggc gcgaagcttg ctgttaga 338

<210> 5496
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 5496
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 agctggtgag gatgaagcta ccagcagtg ggcacctgat ggatggccat ggtgtgttgt 120
 ggaccctgct ggtgtccgc tggttcatct gcctgtttgt ggacatccta cctgtggaga 180
 cgggtgctacg gacctgggac tgtctgttca atgagggctc caaaatcata ttccgggttg 240
 ctctgacctt aattaagcaa caccaggaat ttatattgga agccagcagt attccagaca 300
 tctgtgacaa gtttaagcag atcaccaaag gggactttgt gacaggggtgt 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
 tccagccata ccagttgag atacttccag gcagagtcta cctgggcaaa atcagtcaag 60
 cctgcaatgc taagatgcac aaggacttga aaattaaagc acatgtcaat atttccatgg 120
 agacaacacc ctattttata ggcaatgcag acaagctctt acatatcaag cttgaggatt 180

ctccagacac	cttgcttttt	gactatttcc	gccacatctg	tcactttata	gaacttcacc	240
tcaggctcca	ctctgtcggt	ctgggtcttt	ccacccgggg	catcagccgc	agcggttgctg	300
ctgtggtggc	cttactcatg	cattataatg	aggagacgct	gaagaggtcc	tgggccaag	360
tgaagaaatg	caaaaccaac	atgcgtccga	atcgggcctt	cgtggctcag	ctgctggagt	420
gggagaaagt	cctccatggg	gaatatctca	cagacatctc	cgagcctatc	tactgacctt	480
tgccctggaac	gcagctatgg	tcactgagga	gtcttggttg	ggactttggg	ggactgggga	540
gctgggtttg	cacttgaggt	ggcctggag	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 caccaccttc 300
tccaagtat	tctcctacca gc 322

<210> 5499
 <211> 553
 <212> DNA
 <213> Mus musculus

<400> 5499	
tgggtccaca	actgccacct ttgctgcagc tgtcctctat gtgaagaatg aacggtggga 60
tggggtagcc	ttcatactgc gctgtggcaa agccctgaat gaacgcaaag ctgaagttag 120
actgcaattc	cgagatatac caggcgacat cttccaccag aagtgcagc gtaatgagct 180
ggatcatccgt	atgcagccca atgaggcagt atacaccacg atgatgacca agaagcctgg 240
catgttcttt	aaccctgagg agtcggagct ggacctaaact tatggcaaca aatacaagaa 300
tgtgaagctc	cctgggtgcct atgaacgcct catcctggat gtcttctgtg ggtgccagat 360
gcactttgtc	cgtactgatg aactcagga aggctggcgt atcttcacac cactgctgca 420
caagattgaa	cgagaaaagc cccagccctt cccctatgta tatggcagcc gtggccccac 480
agaggcagat	gagctgatga ggagagtggg cttccagtag aagggtacct acaagggtac 540

tcacaagcac tga 553

<210> 5500
 <211> 145
 <212> DNA
 <213> Mus musculus

<400> 5500
 gtgaacattc ggctgctcta tgttctcaag gactgcacca aggactgcac atttatttat 60
 agagaacacg tgcctccaga actccctagg gtgcttaaag atgtcaagaa cttctacttt 120
 gtcattgtgct gttcaagtat aactt 145

<210> 5501
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 5501
 gagttcaaag aagctttctc actatttgac aaggacgggg atgggacaat aacaacaaag 60
 gagctgggga cagtgatgag gtccctgggg cagaaccca 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 tggccccgcc 120
 atgaagcacc ccaagccatc cgtgcactct cgacactcac ctgcaagacc cagccaccgc 180
 gggagctgcc ccaagaacag gaagaccttt gaagggaaaag tg 222

<210> 5503
 <211> 219
 <212> DNA
 <213> Mus musculus

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<400> 5503
gatatcatcg attcttttta tcaagagcaa aaacagtagt caggagccat gcttgtggct    60
tctgctggag accagcccgg caagcatctt cctgagcgcc aggtgtctcc agtgggcaaa    120
agaacctgtg acaagctgct tccacccttt agttcagggc agagcactga catctccaat    180
gccttcacgt gcaagtagtt tcaattctaa ccactgctc                            219

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<210> 5504
<211> 380
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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<400> 5504
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ctgaattctg tgccctcagat tagaatgata acagcttgac tactgactga tatattagta    120
tgttgtattht gccttccagt tatataatat ataaactcat ttcattttaa tagaatgacc    180
ttttgtttct aagtgaattc aaattagaac tttagtctgg taataataaa ctttgttagt    240
gtagtattat tattgcttac atttgaaaca gcattgcatt cttgacttag agttaagatc    300
ttaccaaaag nctagagtga aagcaacagg gagtaaaacta ccgtaaccgc tgctggcttg    360
taacttgtht tgtgggcttht                            380

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<210> 5505
<211> 541
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
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<222> (514)..(514)

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<223> n is a, c, g, or t

<400> 5505

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ctttaagtcc ctgggcagta ctgcaggac agatattaca gtcaacagtg tgattctgct    60
tcctaaaaac ccagagcact tcgttggtg taaccgatcg aacacagtgg tcatcatgaa    120
catgcagggc cagatcgtca gaagcttcag ttctggtaaa agagaggggtg 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
a                                                                    541
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<210> 5506

<211> 525

<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> (222)..(222)

<223> n is a, c, g, or t

<400> 5506

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agtgtgactg gctcaacagc taccaccaga cctgcaggga cgtgggttggg aaggagctgc    60
agagccaggg ccgccaggaa gctctcgagt ggctcatcag agagacagag cctgtctcca    120
ggcagcattg atgtcgctg gcgttggttt ttcgtaggat gctctggggg aaggaggaca    180
caaggcagac ccctngactt ctctctcctc acctcctcct cntccccgac tcctcttttt    240
acttttagac actaagaaga gctgaaactc ttcttaccta ctttgatatt ttcttgcaaa    300
cagtctttta tgaattttta attgttgaga atgagccagg aataaaaactg ctacaccaga    360
aggagggggc ccacgaagcc gaagacttga caagggggag acacccaag ccctctggcc    420
agggatggcc aacactgact gctccgcgat ggtctcgttc caggtgctag gacctcagtc    480
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acgggtcacct tgatgttcat gagaccctcc tatgatcagt gaata

525

<210> 5507
<211> 490
<212> DNA
<213> Mus musculus

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<222> (36)..(36)
<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> (125)..(125)
<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> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<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> (374)..(374)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (465)..(465)

<223> n is a, c, g, or t

<400> 5507

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tattcagctg ctcatggcng ancccaatcc tgatgacca ctaatggctg acatttcttc 120

agaantttaa atataacaag atagcttttc tcaagaaagc caagcagtgg acagaggntc 180

atgcaagaca gaaacaaaag gctgatgaag aggagctagg cacctcatca gaagttgggtg 240

actctgagga anccattcc acacagaaaa ggaaggccag gccattagga ggaatggaaa 300

aaaagttttc ccntgacgt tcagagantc tatectgntc cctcttagtt acggcagttc 360

gtgtcaaggt ggtntctttt gcttgcttct tttaaatgtt ttcctttgta tttgatgaca 420

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<210> 5508

<211> 463

<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> (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> (267)..(268)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<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

<220>
<221> misc_feature
<222> (303)..(304)
<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> (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

<220>
<221> misc_feature
<222> (339)..(339)
<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> (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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<221> misc_feature
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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

<220>
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 <222> (430)..(430)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (432)..(432)
 <223> n is a, c, g, or t

<400> 5508
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 ttctacatta gcaactcagc tagcacccat ggggtgtgcat cctcacagtg gcagcaggtc 120
 ccacggtgtt tggagatggc ttggggatcc gtgaggatgg catgaccagc tagccccgag 180
 actgccacct ctcttggtc atgatggagg accttcccgg gtctttctgca gagtgagcaa 240
 gcaaggaccg tgganttgag ncccnngnct ctganntctg ggantcagta tacacacccc 300
 aannccagna gggnactntc ctntngacat ctgtaccnt gggagttaca gaggaaggnt 360
 catgacctca gtgnccatca gctgagancn tntcggcgaa tttgctttgt aaggacgtga 420
 tctttcttgn tntgagggga aaaccagcgc atcagtgggt tct 463

<210> 5509
 <211> 547
 <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> (195)..(195)
 <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> (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 gccntggca ctttatagca gagttcatga aaccacagcn tcttccaagc 240
 catgtacata gttcatgctc agccntgaac tctaattctag cctgcaacca gcccttttct 300
 ctctctttat catctaacat accctacttg gaaagatcta agatctcaat cttatccttt 360
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 ttgtttttaca actttgtgat atgggtcaagc tcccgtttaa gaaatgggag tctgtttgtg 480
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 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
 acaatatattt agagtatttt aaaaaatcat ttcttacaga gaaattaatt tgcagttgaa 180
 tgaaagcatt tgctcgtggc tgtgccgagt gttctgctgc tagaagttat gtagtcacac 240
 gctagctgct agtcaagtga tctgtctaca cttgactgtc ttgtggacca cgaggacatt 300
 tgttttcacct agtttttaag attatggaga tagttntcag ctccatctta tctcagtc 360

taggcttatt ggaacagtaa atttgatgaa cagtagaaca cacaagctgc ctcaga 416

<210> 5511
 <211> 515
 <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> (472)..(472)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (482)..(482)
 <223> n is a, c, g, or t

<400> 5511
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 gccctggaga gcgacatggc gcctgtcctc atcatggcca ccaaccgagg gatcaccggg 120
 atccgaggca ccagctacca gagtccccac ggcatcccca tcgacctgct ggaccgcttg 180
 ctcatgttat caacgtcacc ctacagttag aaggatacca agcagattct gcgcatccgc 240
 tgtgaggagg aagatgtgga gatgagttag gacgcctaca cagtgttgac ccgcattggg 300
 ctcgagacct ccttgcgcta tgccatccag ctcatcacag cggccagcct ggtgtgccgg 360
 aaacgaaagg gcaccgaggt gcaggtcgat gacattaagc gtgtatactc cctcttncct 420
 ggatgaatcc cgctccacac agtacatgaa ggagtaccaa gatgccttcc tnttcaatga 480
 gntcaaaggc gaaacaatgg acacctcctg agctg 515

<210> 5512
 <211> 383
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (281)..(281)
 <223> n is a, c, g, or t

<400> 5512
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aagtttgaag gcaacaaaca gcgggacttc aaccagaact tcattcttgac tgctcaggcg      180
tcaccagta  acacggtgtg gaagatagca agtgactgct tccgggtcca ggactgggcc      240
agctagtggg ggtgaccgag gcatcttagc ttaagcccag ntctgcagag aaatgccagt      300
ctcaaattctc aggatgtgga gaacacaagt tcatttttgt tgtcacagca gcactgcaga      360
ctggatgttg gactcccaga atc                                          383

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<210> 5513
<211> 447
<212> DNA
<213> Mus musculus

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<220>
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<222> (81)..(81)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

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<220>
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<222> (327)..(327)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<400> 5513
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atgctcaaag agaagaggga nagaggagga ggacaatgag gacgatggaa gcgaccttgg      120
tgaagccctg gcttaggcca gcaagaagag ctctcatcct gtctgtgag cacatgcaag      180
gacagactaa cagctgcgaa gtgaaggcca ctgcaacttt gtctcagact tgcaacttgt      240
tgcatctcct cttgcagtgg aaaggactgg acagcagcag cctcctntac aggcccttca      300
gccatntcct ctctccact gggagantcc tgggcagatg gcactgntct ggctttgggt      360

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 gcagaggctg gccgagttgc aggccaagca tggagatcct ggtgatgcag cccaacagga 180
 agcaaagcaa agggaagcag aaatgagaaa cagtatctta gcccaagttc tggatcagtc 240
 agcccggggcc agattaagta acttagcact tgtaaagcct gaaaaaacta aagcagtgga 300
 gaactacctt atacagatgg cgcggtatgg acagctaagt ggggaaggtgt cagaacaagg 360
 tttgatagaa atacttgaga aagtcagcca acagacagaa aagaaaacaa cagtgaaatt 420
 caacagaaga aaagtaatgg antccgatga agacgacgcc gattactaag aggacgcact 480
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 cagggtcata cccctccctc ttgtccaccc taccgccagg gtgagggagc ctccccttcc 180
 ctttcagact ggatgtgcct ttatcctcta atgccccgac ctctgaacac cccatttctc 240
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 tgctatccct cctcccatcc tgtaccccc atttctgggg cctcatcact gtggaagacg 360
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 gtatgtatga aggggggtga caagntnntc ccaggggagt tgggaggaaa taacctnttc 480
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tgcacccgga attattttct attgacaacg gccttctgac tccaacactg aaggcgaaga 180

ggccagagct acggaactat ttcaggctgc agatagatga actgtacgcc accatcaaga 240

tctaactgta ggaaggatac ttagaagaaa tggcgcattct ccacaatcct cctcgtacca 300

atggccttcg agttggtaac ttgcctgca ngngagtntn gggnaangg aaatnncct 360
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 gatttttgtc agaccgaatg gcatttgaaa cagtttatag tagttttgat aggatttcag 180
 ggaagccaag tttatgttag aaatcatttg ggggggtgtg tcttggaatt aagaagatan 240
 agaatgcagc atccaggtaa ttaactccac acattgccac agggagattt ggaactggtg 300
 tttgaagttt caaagccttg tcaaagtcta caaaggtnan ngggtnctgt tagttggncc 360

acttctgtgc gtaaagatat gaaaggataa aggttaagtt tactgcgaag cttgaggtgg 420
aagtaaacgc tacttagatg gtgtggtgtn tcctttgaaa tgttaactgg agcaccgctc 480
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tgacctaaac tattttctta tggcagaaaa tattaaatgt atacttactc ctagaaattt 180
atatttttaa acttgctgta tatagaatag ctacttatac attaaatatt ttaagttanc 240
ctttgaaaag gaaatttggn cctaaaaaag ttaatttcatt tagaaaanaa atggtaccag 300
gcatgaacct tgtctctctt tgaagaa 327

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<212> DNA
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<223> n is a, c, g, or t

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ctgtttaaca gtgtgatgaa cgtgggtcgc ttcacagagg agatcgagtg gctgaagttt 180
ttagcccttg cttgtagctc tcttgagatt accattgccca aaactcnaa gatagtgtgt 240
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<210> 5520
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 ctggggcacg agaagccttt gcagatgtcc tgtgagcagg acaagaaatg tccgaagtta 180
 gcggaagcag acaagacgga cgctttcaag cataccacga gggcaacgga aggcacgatt 240
 aggaaaccga agatcctcag gagcccggat gtttgcttta ctaagaaggc tcggaataac 300
 cgcttcaacg ccctntttgc aaagaaatnt ntggtgggga aanaggagaa ccnttagcag 360
 ctttcggtag aantcnccag aagcagatac aacttgagac aaaactntca tcaaccagg 420
 gtagagagct tntgattcca ccaaggagga ggcctaggat aagaggaacc tatattatnt 480
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 <223> n is a, c, g, or t

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 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
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<210> 5522
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 5522
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 gcaggactct ctgctttgac tccttcccca tcatgggttaa agtacaaggc actgtgaatg 180
 aaggtagttg tcagggttag ctgccagggg tatgggtgtt attttatttt tagggggaaa 240
 gtagttttat ttttaatttta tggccccctt cccctcccc cctcttaaag gatctaattg 300
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 ctaccgcaac ttgaactgtg aggcgggagcgt tcttctctgc caccgagggc atcatgccaa 240
 gccaccacaca cccagcctgc agctgcctgg ggcacgctct tagcagtgag gcctgtgagc 300
 tcaggcttcc aaccttggcc ttcgggatac cctgtaagga cagtgcactt gctggacaat 360
 gccagcccca gatgggctga ctagctcttc tccccgtata ggggagcctc agcatgntct 420
 caatggacag agcacctcct anccgacccc tgggttcnct ntccattgg gatcaccgaa 480
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<210> 5524
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gaccactaca gcctacagag cagtggctgc agcgacagca gctatgggca cccttgcagg 240
cggcctggct gccctggcct ttcgtaggct ccatgtcctt tgcttcttgg cccacctgcc 300
tgctcaccta gccaagcntc tcagccttcc aatcctcctt tgactgaagc cagcntcgtc 360
atgggcntac tgntngtgcc attntcgaag ntacagctgc tntntgntnt gcctgcctnt 420
gcctgcctac ccttcggtca ggactcaagt tgccctgcccc ttntccgcag ggctagaccc 480
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agtattaatg tctagcccta ccaaaaaata gccagtagcg tctgaagatg aaaggaggga 180
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<210> 5526
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<223> n is a, c, g, or t

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gacaaagtga atgagctgga tggcattcct ctgatacctgg acagcagcaa catcgatnga	240
caacaacccc tttatgatgc agtgggtggt gtatgctgtg cgaaatctca ctgaagacaa	300
cagccaaaac caagatgtca ttgccaagat ggaggagcag ggcttggcag acgcatccct	360
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<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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gacctcctgc actcctcccg gtttttcccg tatacctcct cgcagatggt tctcgaccag	180
ctaagtgcag gagggagcac atctctgcc a gccaccaacg gaagcagtag cggcagcaac	240
agcagccttg tgtcttccaa cagtctgaga gagagccatg gccatggtgt ggccagcagg	300
agcagcgcag acacagcgtc catctttggc atcataccag acattatctc attgganctg	360
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<210> 5528

<211> 201

<212> DNA

<213> Mus musculus

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 <223> n is a, c, g, or t

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 gtagaacgag tcaaagctgt ggccaagcgg attggcgagg ttcaggtggc ctgtggcctg 180
 aaccagacag tggaggagtt t 201

<210> 5529
 <211> 323
 <212> DNA
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 <222> (287)..(288)
 <223> n is a, c, g, or t

<220>
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 <222> (290)..(291)
 <223> n is a, c, g, or t

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 tgtcggccga gagggaaaac aggtacgact gcctcggatc caaaaagtac agttacatga 180
 acatctgcaa agagttcagt ctgccgccat gtgtggatga gaaggacgtg acgtactcct 240

acgggctcgg cagctgtgtc aagatcgagt ctccatgtta cccttgnnan ntntcctgt 300

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tcagagtgcc gtcctttgct gctggcagag ttattgggaa aggaggcaaa acggtgaatg 180

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agctccagag tttatcaagt gctgaagttg tcgtcccccg tgaccagaca cctgatgaga 240
atgatcaagt agttgtcaaa ataactggcc acttctatgc ttgccagggt gccagagga 300
aaattcagga aattctgact caggtaaagc agcaccagca gcagaaagct ctgcagagtg 360
gaccacctca gtcaagnnngn aannnnnggn nnannngnnn nnnannnnnn nnnnnnnnag 420
gcagatncca aaccaaagac agatttgctt aaccaacaga cgggtgctga cccatccaga 480
accacgtgca cgagttttta cctagctggt tgtttccgag gaccaggcac tcgatcctgt 540
ctctgtgaga at 552

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<210> 5531
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<212> DNA
<213> Mus musculus

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<210> 5532
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<212> DNA
<213> Mus musculus

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gacttccctt tgcccttcct caacttagtg gcaaagccct gtatggatac ttgtaggtgc 180
gggtgatcct caaggccatg ctgctttctg agttgttctt gttgctttgt tcataatgtg 240
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 tcgggacctg agttcacctt actgaccga ataccaggat tcgggggtccc atgcccctct 180
 gtgcagctgt ggcaggggat cgtggcagca gggatatgaa atgggcaagt gcgcctgtat 240
 gatgccagca cagggggcct ccacgtccag atcagtgcc acgcccggac catctctgcc 300
 ctggacctnn ctncagagg tcggcaagct actgtctgca gctgaggaca cttttgtgca 360
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<210> 5534
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 <212> DNA
 <213> Mus musculus

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gaagaagtag ttggagatac acgaaagaag atcaacaaca aattgtgtga gcagaagttt 240
gatatggata tacagaaatt caatnaagnn acaagaaaaa tcagtgaaca attatcaaaa 300
agaacaacaa ncattaaaac tntccgaatg tantcagant cngacntgg aagcaattga 360
agacatgcat gagaantcca tggaggggtt gatgaacatg gagaccaaca actacgatat 420
gctttttgat gtagatggtg aagagacatt atgaagcata ntntgaagta ntntntcct 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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gagacaccaa tggaaaactg gaatttgta agtggtgaac agcaagttag gaatgcttca 120

gaattggacc ttatggaagt acagaatcca gtaactcatg atgatgggaa tgcaaatacct 180

gaagaagtag ttggagatac acgaaagaag atcaacaaca aattgtgtga gcagaagttt 240

gatatggata tacagaaatt caatnaagnn acaagaaaaa tcagtgaaca attatcaaaa 300

agaacaacaa ncattaaaac tntccgaatg tantcagant cngaccntgg aagcaattga 360
agacatgcat gagaantcca tggaggggtt gatgaacatg gagaccaaca actacgatat 420
gctttttgat gtagatgggtg aagagacatt atgaagcata ntntgaagta ntntntcct 480
ttcccntntt cagactaatg aagcatacat atttctcact tgctggtaca t 531

<210> 5536
<211> 310
<212> DNA
<213> Mus musculus

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tgtatgtatc cgatttcttc aaggacacac attcttacia agagagaaag gaagaggatc 120
cacacacgac tctccatgaa accgccagtt cacggaacta ctcaaccaat cagagccct 180
gaaggggtaca 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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gggagctgct atggctatac tgggttgcttt gtatgtatcc gatttcttca aggacacaca 180
ttcttataaaa 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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 <223> n is a, c, g, or t

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 gtgggcaagg atggtgaact gagaggctac cagagaacgc ccaccaccgg cctcctgatg 120
 attatttttag ggctcatctt aatgaatggc cacagcatcc cagaaaacga tgtctggtgt 180
 tttctacgtc gtttgggggt gtatcccacc aagaagcatt cagttttcgg ctatccgaag 240
 aaactcatta ctgaagactt cgtgaaacag cgttacctgg nnnnnctcg nntaccnana 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

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<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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<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

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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
tggaatgaagt cctgaatgtc atggataaaa ataagtagcc aggagtcagc tctttttctt 360
gggagtaaga ggtaccaaaa taagcagaaa acaaaaaaan tcaactaacc acagctgatg 420
gaaagagctg ctctgactgt ttttatttgc agccatgtga tgcattttct aaaataacgn 480
tcctgttcct acaaaatatt tttttaacca tcatgccttg 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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggataacaac agcactgagc cagggcttac actgggaggc tacttctgcc cacagtgccg 120
 agcaaagtac tgcgagcttc ctgttgaatg taaaatatgt ggtcttactt tgggtgtctgc 180
 acctcatttg gcaagatctt accatcattt atttcctttg gatgcttttc aagaaatttc 240
 cctagaagaa tataaaggag aaaggttttg ttatggatgt cagggggaat tgaaagacca 300
 acatgtctat gtttgcacag tgtgccaaaa tgttttttgt gtggactgtg atntctttgt 360
 tcatgactct ntccattgtt ntcctggctg tattcataag atccca 406

<210> 5542
 <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

<400> 5542

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cgaaggctct gaggagcctg cgctgcccag cctggaaggt gtcagcgaaa agcagtacac	120
catctacatc gctcctgggg gcggagcggt cagcagcgtg aatggatcac tgaccttgga	180
gcttgtaaac gagaagttct ggaaggtgtc caggccctta gagctctgct atgccccac	240
gaaggaccca aaatgatgtc acanagggga cagctggaac atggggacca caggggtgtct	300
ctgtgtccca gctcagcctg ccagcttcat ctcccaaagc cccccagcca gacagcaaga	360
ggacaaagga ggacaaatgg cttttatata 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 cttttccgca ggtcagactc attccccgaa cggagggccc	120
ctcgaaaggg gaacacactg tatgtgtatg gagaggacat gacgcccacc ctccctccgcg	180
gggccttctc tccctttgga aatatcatcg acctctccat ggaccacccc agaaactgtg	240
ccttcgtcac ctacgagaag atggagtctg cagatcaggc tgttgctgag ctcaatggga	300
cccagggtgga atctgtgcag cttaaagtca acatagcccg aaaacagccc atgctggacg	360
ctgctactgg caaatctgtc tggggctccc ttgctgtcca gaacagccct aagggttgcc	420
atcgagacaa gaggaccag attgtgtaca gtgacgatct ataggaaacc ttgtggatgg	480
cttc	484

<210> 5544

<211> 502

<212> DNA

<213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 atcctctcac cccgggtctg ctcaacccat ataattttta tttttgatta ttttaataaaa 120
 tgtagctggt aagttattaa aatagtgagt taactttaga ttccttaatc gtttcctaag 180
 caatgcttga gtgctgtaaa atgtaaggaa gagattgtgg gtaacaaaag agacattgca 240
 aagtacagaa agtcncagtt aacttcaagg tttaatgacc ctttggtcag agaaaaaaga 300
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 tgggcatatt ctataagaaa acttacagct attgccctnt caaagcaaga aggaaaggtt 420
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 gtttctgtgt ctttatttgc aa 502

<210> 5545
 <211> 319
 <212> DNA
 <213> Mus musculus

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 ctgggacgca atgggtgagg tatggagtgc aggatggacc cctggagggc cttatgctgc 180
 tgtctgtatc tcctcccgac tccacacacc tagctgacac ccaaaaagaa tagctactgc 240
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<210> 5546
 <211> 223
 <212> DNA
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 <223> n is a, c, g, or t

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 caccttcatt tttttggact tgcgtattta gccccctgga acagagttgt tntggatttc 180
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<210> 5547
 <211> 474
 <212> DNA
 <213> Mus musculus

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 <222> (253)..(253)
 <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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gcctgacata gtagtgatca tagaagtcta cgggtgtcca aacgaccacg tgaagcagca	180
gactcgtgtt gttaagaata atgcttttag tccaaagtgg aatgaaacat ttacatttct	240
tattcaagtg ccngaactgg cattgatacg ttttgttgtt gaaactcaac aaggcttatt	300
atcaggaaat gaattantcg ggcagtacac ttaccagtt ctttgcata acaaaggtta	360
tnntngtgtt cntntgtttt ccaaattccg tgccaacctt gaaccttcct cactgtttat	420
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<210> 5548

<211> 528

<212> DNA

<213> Mus musculus

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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

<400> 5548

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caagggtgaa tgccctcatg ggtcctggac gaaccgttgt cattaaaggg gaagtgaaca	180
ccaatgcccg aagctttaat gttgacctag tggcaggaaa aacaagggat atcgctctgc	240
acttgaaccc acgcctcaat gtgaaagcat ttgtaagaaa ttcctttctt caggatgcct	300

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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

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<210> 5549
<211> 151
<212> DNA
<213> Mus musculus

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<400> 5549
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gaatcctgtc agtgaccccc tggagtccag gatgcatggt catttgaaat atgtgtaaag      120
tcaaatgttc actcaggctt taaagcaaat a                                     151

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<210> 5550
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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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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

<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> (497)..(497)
 <223> n is a, c, g, or t

<400> 5550
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 gtatatattac taactttcaa 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
 aacttgtagc 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
 gaaggccaga cacgtggcac ccagtgcac agttctgatg tttaatgtgg ccttgggtctt 60
 gcaaagatta gctacctctg tcctgaaaga tgaaaaaagt aatctgaagg aagtccttaa 120
 tgctgtgaaa gagctggagc tcgcacacag gtacttcagt tacttgagca aagttggaga 180
 taaaatgaga tttgatttgg cccttgctgc ctctgaagcc aggcagtgtc ctgacttact 240

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gagccaggcc cagtaccatg tggcccgggc acgcaagcag gatgaggaag aacgggagct   300
gcggggccaag caggagcagg aaaaggagct ctttaagacag aagcttctca aagagcagga   360
agagaaacgt ctcagagaaa aggaagaaca aaagaaactt ttggaacagc gtgcccagta   420
tgtggagaag accaaaaata tccttatggt cactggcgag actgaagcaa caaaggagaa   480
gaaaagaggt ggaggtggag ggcggcgttc caagaaagga ggcgagtttg atgaatttgt   540
caacgatgac accgacgatg acct                                           564

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<210> 5552
<211> 579
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 5552
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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 ctttgcac 579

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<210> 5553
<211> 518
<212> DNA
<213> Mus musculus

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<220>
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<222> (115)..(115)
<223> n is a, c, g, or t

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<400> 5553
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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 aagggtgttca 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

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<210> 5554
<211> 373
<212> DNA
<213> Mus musculus

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<220>

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<221> misc_feature
 <222> (244)..(244)
 <223> n is a, c, g, or t

<400> 5554
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 gttcatgttc catgaaacat gttaacgttt tccatttcat cacaatctat atgcttttct 120
 tttaaaatgt ttcatacaat gtattttgat tatattatit cccccccca gctccccaca 180
 gattctaccc cctccatctg tagaatccaa aataaatcca agaccacca gccctttccc 240
 cctntgaagg gactttccaa actatattag tgggccaaagt acagagccag ataaagaagc 300
 tggccgacta aacaatgctg agaaaaaac cacaagggca ggcagagtga gggactaggc 360
 caaagatagt cac 373

<210> 5555
 <211> 473
 <212> DNA
 <213> Mus musculus

<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

<220>
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 <222> (407)..(407)
 <223> n is a, c, g, or t

<220>
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 <222> (413)..(413)
 <223> n is a, c, g, or t

<400> 5555
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 cagcagtac gatggcactc aagggttgat ggggctggcc ctgtgtgctg atgtagtaag 120
 acactttgaa agttctgtca tcagaaaaga gccactttga agctgcactg atgccctggc 180
 tctgacatcc ctggaggaga cctgttcctg ctgctctctg catctcagag aagctcctgc 240
 ttctgtcttc cccgactcag ttactgagca cagccatcta acctgagacc tcttcagaat 300

aactacctcc tcactcggct gtctgaccag agaaatagac ctgtctctcc cggtcgttnt 360
 ntgccctggg ttcccctaga aacagacaca gcctccagct ggctttngtc cnttgaaaag 420
 cagtttacat tgatgcagag aaccaaacta gacatgccat tctgttgaca aca 473

<210> 5556
 <211> 437
 <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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 <223> n is a, c, g, or t

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 <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 cttgggtatga aggggaagca 120
 cctagttggt agagttacga gaatcagaac acataggcgc aaaaaaccca aataccagtg 180
 tgtgggtaca caaaccacag cagaattcag ggatgacttg ggggatctcg aggataaaag 240
 caaaaaaggc tttttgaatt ctcatcctga atgtgtgact tcctgcagaa ggtaaattag 300
 aaaaagaaag gaattcaaga nttcagaacc ttctanccaa gaatgaatnt aaaatagata 360
 tcatcagaag cataaagatn taagtgggtt tgaaaggcaa attagtntac ttagccacca 420
 aggctcattg aaagtat 437

<210> 5557

<211> 471
<212> DNA
<213> Mus musculus

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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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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> (304)..(304)
<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> (329)..(329)
 <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

<220>
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 <222> (432)..(432)
 <223> n is a, c, g, or t

<400> 5557
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 cttaataaag ggtttttacaa ggggtacctgg atcccagggg gaagtagttt atccttgggg 120
 cacagtggca ggggtcattc agaacggtga gtaagtgtca ggtgtgatat tcaaagacct 180
 ggttcctaac accagancac agcgaagntg gagntcagaa ataantccca nccactgaag 240
 gaagtatggc ttcantctgg agagctcaga aaagactcga ccctagganc ccacacaanc 300
 gntnatance acaagtgaaga gggcattanc aacaggaagc taaggattga gtaaggcaat 360
 ggggaatggt ggganccagc agttacaacn ctttactcac ctggatgggc ttgttaaaac 420
 acagattacc anccccactc cctgcattct gactcagtag gtccgggacg g 471

<210> 5558
 <211> 430
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (370)..(370)
 <223> n is a, c, g, or t

<400> 5558
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 gaaggaccag aaatttcctca tgggcaggag ggcaccacag ctccatccat gtgacacaca 120

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ggttgccgat agggagtaca cgcttgagcc ccttggtgccc tgggtgggcag acatcggggtc 180
ctgtagccgc cacaacccat atcaccttcg ttcacgggtct cgttcctgtc catcatcact 240
cggcatcctt ccctctcaca gtaccccacc cccatcattc catcctctta ggtgggttag 300
aaactttgca gtgaccctgg gaagggccac atcaccaagg agtactggcc catgcaataa 360
gacgtcacan tcccaacaga ggcggggctt cccctccatc ccaggctgtc aggctcagcg 420
ttcatttgac 430

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<210> 5559
<211> 413
<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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gtccatcctg gaggaagaca aggactggag gccagctatc accatcaaac agatcttatt 120
aggaatacaa gaacttctaa atgaaccaaA tattcaagac ccagctcaag cagaggccta 180
cacaattttac tgccaaaaca gagtgggaata tgagaaaagg gtccgagcac aagcgaagaa 240
gtttgcccc tcantaagca gcggccctgg gctccatgac gaggaaggga ttggcttggc 300
aagaacttgt ttacaacctt ttgcagatct aagtcgctcc gtacagttac tagtcgcctg 360
ggaggggttgA gcgggcgcca ttttccattt ccgccactgg catattcagt ctt 413

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<210> 5560
<211> 461
<212> DNA
<213> Mus musculus

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ccaaaaaatg taaactatTT tacaagaaag acaacgaatt taaagagaag ggtgtgggga 120
ccctgcattt aaaaccaca gcaactcaga agaccagct cttggtgcgg gcagacacca 180
acctaggcaa catactgctg aatgtttctga tcgccccaa catgccgtgc acccggacag 240
gaaagaacaa cgtccttatc gtctgtgtcc ccaaccccc actcgatgag aagcagccca 300
ctctcccggc caccatgctg atccgggtga agacgagcga ggatgccgat gaattgcaca 360

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agattttact ggagaaaaag gatgcctgag cactgaggct gaccaaggca tgttgccacg 420
ttgctgcttc ccctccgtcc ctaacttagt cacattcttt c 461

<210> 5561
<211> 592
<212> DNA
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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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<223> n is a, c, g, or t

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<223> 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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<222> (301)..(301)
<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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<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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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (364)..(364)
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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> (512)..(512)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (516)..(516)
 <223> n is a, c, g, or t

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 <222> (521)..(521)
 <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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 aggaaccgca actcgccttc ctacacactg aaattcagga ctgctgagga agcccagcgt 120
 ggaagactcg ctcccaaagg ctcccagacn tcacatgaa agcttctgtc tggggcccctg 180
 cagccctcga agtncatgan gtcgacatgc agcctgaggg tgaantaaag accaacgggn 240
 ntncnnggca gactgtcccc atcaccagag gantggagga tgacaagggc tncagcccc 300
 ntcaatcntg tggagacca agagataggg agacagctgn tgggcaganc ncgnagcca 360
 cccnggtcac caccagant cgggagtgac agagataagg ggaccagnct ntncgctttc 420

caagagaaaa ctggagntcc tacttggaga gcctgagaga attaagagga agaagaagta 480
acaaagctga gcacacntct ggggctgntn tncagntcct ntntcccct cggtggggac 540
aaggttccca agtgcaaata aaaacggcac cacaaggagg tgcccgtttt tg 592

<210> 5562
<211> 539
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
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<222> (349)..(349)
<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> (386)..(386)
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<220>
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<222> (429)..(429)

<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> (456)..(456)

<223> n is a, c, g, or t

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<222> (487)..(487)

<223> n is a, c, g, or t

<400> 5562

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caaccagacg ggatacatgc cttcctttct caagaaagaa gtgggatcag ctggccagag 120

gatccaattg gcaccttttag gtgcgtcggc ttcggactat acctggagca caaaaactgg 180

acgaggccag ttttcgggac gaacttaca cccacagcc aaaaatctca atattgtgaa 240

ccgcacacag ccagtcccct cggtacacgg gaggacagac tgggtggcta agtatggagg 300

ccaccggtag gagagggtgga agccctgact cattnntccg tagaggacna tcaanccct 360

tgatcccggg agccctntac agantntatt tntaccgant tccacaagac gcanacaact 420

gcggg'gcgcnt caaagagcgg agggcagntc ccgatngctt ccttttccag aaatgcaatg 480

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<211> 497

<212> DNA

<213> Mus musculus

<220>

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ccagtctcta tcagagtctg cccgtctcgt tttagtcctg ttgttgacc ttgaccaaac      180
tggaactca cgatgactgt ctgactctag ctcggtgagt tccanccttn catncaccag      240
ggttntntn tncgncnca gctttnaagg acacggtttg cttgaaaccg tatctgatgc      300
ttgnccatct gactctccta actcctgttc ccgtgtgtaa ctacctgaca caaaggtgaa      360
acgtnccagc tgctcctcag gcaaaccctt gctgctgccg gtcactgact agcctctgac      420
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 ctgcactgct accaagtgtc caagaggagc agcaggctgg agggctntnc tgctaaaagt 180
 gcagaaannn aaagcngctg aacaataatt ttcctttaga gttttggttn aagttttnat 240
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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
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 gacccttacc tntnnnnnnc nntgattggc tgatgaaaaa taatcccaac aaacctaaac 480
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gacctgcccc tgccagtccc tggggtgccc cctaccccgg ttcagcccct gtttttggtg 180
ccagggggcca agccctgctg tgctgctctt ccggggagca tgaggtccct acgcgtccga 240
accacctcag atggagggtta ctctttcaag tatgagatgg tacccaacct tattactcaa 300
cactgtgctt gtatctaaaa gcacctccgc ctctctctcc catagccgat ggccacagtc 360
aattcaccac cccaggggtcc tcagctagga ggaggacaga gtgtggaaag tagacagttt 420
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<210> 5567
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<223> n is a, c, g, or t

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ctgcattcca gtatagcagc catgtntctc tgcaagcttc cagtgggcac atgtggggca 180
catttcgttt tgagagaccg gatggctccc actttgatgt ccggatccca ccattctcct 240
tggaagcaaa taaagatgag aagacccac cctcaggcnc ccttntncac tggtaggcca 300
gctgaggccc aggttggccc taagaacaac agctctcaac ccataattgc tgcagaactc 360
taaacctctc cctactgtga aattcttttt ttggagggag attgtaactt ttcttggaag 420
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<210> 5568
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 ctatagacac ggattacca 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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 ccacaatctg ccaaagcaac ctccacttgc cctagccatg ggacaggcca cacagtgtct 180
 aggctgatg gctcggtcag gagttgggtc ctgtgcattt gccacagtgg aagactacct 240
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 tagaccggct ctgctgattt gaaattt 327

<210> 5570
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 <212> DNA
 <213> Mus musculus

<400> 5570
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 ttcaactggc agagatgtgt ctggcatcag aggggggtgaa aatggaagac acaaaactaa 180
 taaaatcaaa agagtcagat ggaggaagaa ttgaggaaat agaaaagggg aaggaagaga 240
 gaggcacaga agtgagaaaa accactgaaa cttcgttcca gaaggaagca gaatttggga 300
 agtcagctaa gggcaacgtg agagagtcta aggacttaag agacatcgaa cagctacaga 360

tgataatgt catggctatc aaagtggaag accccaaaga aattaggaag gagccagagg	420
atgatcagaa atacagtcac ttccctgatt tttcttactc tgccagtagc aagataataa	480
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<210> 5571
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 <212> DNA
 <213> Mus musculus

<400> 5571	
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gccagcaaga gtgttcctgg ggaggtgcc aagggcataa aagcagaacc cttgaccctt	180
accgaggatg cactgccacc tagcctacca ggacaggcta agcctgagga tagtgattgt	240
cacagaaaaa cggagacctg tggctccagg aaatctgaga ggtcttgcaa aggtgctctt	300
tataaaaccc tgggtgtccga gggcatgctc acctctctcc gagctaattgt tgacagaggg	360
aaacgaagct caggaaaagg aaactcctct gatcatgaag ggtgttgag tgaagagagc	420
tggacattta atcagagtgg gaccagtggg agcaagaagt ttaagaagaa actaagggaa	480
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 <223> n is a, c, g, or t

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 gtcaagtcaa gactgggag aagcacggaa agacatgtgt tctagcagcc caaggtgaca 240
 gagccaagtg aaggccgtag ctgccgaggg cgcacagaag agcgcaccca gactgtgact 300
 gagcttcagg gantcgtggn tcgccctgt cagacctcaa tttccctggt gagcacagnt 360
 gagtcaagta gagctgcaaa ccaccacant nttcanttcc tgccccaccc agcgaatacg 420
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<210> 5573
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 <223> 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)
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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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 agctgcgtgg ctcccagtaa ctgtcccaag attatctgtg gagtgcacta tatgtacttt 120
 gccatcatatc 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 gaagtnttca 420
 gacacatntg agaagccctt gtggagaacc ntcataaaca tcaatnccgt cntcntnctg 480
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 <223> n is a, c, g, or t

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 cactctctgg attggtgtgc cctgagcaag tggcctgcct ntgccctctc ctgctgcctc 180
 cagcacagca ggttttggag ttcatTTgac actggtagag tttctacaca tttggagcag 240
 gcagagggac ctatggccag atgccanggg aggtaccag agacccaca gcgtggttca 300
 tgcagatcgt gtgtatcagt cctgagtcaa aatggccaag gacctnctga caacagtgcc 360
 accttctcac cattccacct cccctccgct cctggnnnnc ccagccagcc caggagaaat 420
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 <223> n is a, c, g, or t

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 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 gcgttttagaa gtttggatat gnaaaccaga agagaaggaa tatgcgttat 420
 aagagcaaac cacacatntc ccagttttga atattaatga cagccttggt tccccctttg 480
 aatcagcaga cacatggatt atattctttt tcccctcagt agtgcgcagt ttgta 535

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 tccccaggca ttctcatata gagcacagaa gctgccaaac acacggacaa aactcaacat 240
 cttggtgact taagatttgg gcctctgtga ttggcccctt ccaagggaac ctgtgacaca 300
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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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 actcccaccc taggtacacc gactccacaa accatgtctg tttcaancta aagtaggcac 180

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cccaatgtnc cctcacagga cagaggttta cangtacaga tgcttgcttc tcagtcccct    240
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ttaattgggt ccaaaaacat tcttattact actaatatgg tatcacagaa tacagccgag    360
tcagcaaatg cactgaaacg gaaacgtgaa gacgatgatg atgacgatga tgacgatgat    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

<220>
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 <222> (541)..(541)
 <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
 ggctgatggg gtctgcaggg gaagaggagg catagaccan ccatgccacg gtctcgagca 300
 gtagggccnt ctgccgnccc ttcaanccac agcccgnncc tnggctgtgt nccctccatt 360
 gagcaccag tncctggggga aggagggcag gggacaggga aggacgancc catcaatccc 420
 ntncaagcct gggaaccagg ctgntntntn cntntnggnc caantntgcy gacagaggac 480
 ttggnccagc ctgggagccc ccggctncct gaccagtgcc attntttcag tcacgatttt 540
 ntacagaaat acacagcaca acctag 566

<210> 5581
 <211> 502
 <212> DNA
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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

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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>
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 <222> (407)..(407)
 <223> n is a, c, g, or t

<400> 5581
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 gttaaaatgc aaagagctgg ttgcaaaat 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

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tgctgtgtgg tctgcanccc tggatccttc aatccccggg atggaantca ttgcctccag 420
tgcaacaaca gcctggtgta tggagcgaag acatgcatgt aggccagggc cttgtgggac 480
ccagcagctc attcaacata aa 502

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<210> 5582
<211> 474
<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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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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taaggaaaca aagtccagtt taaggtctta ttgcagagca aaatgggaga tgctgaagca 120
ggcaagaaga tctttgttca gaaatgtgct cagtgccaca cgggtggaaaa aggcgggaaa 180
cacaagacag gtccaaatct ctggggcctc tttggtcgaa agacaggaca agcaccagga 240
ttttcttaca cggatgcaaa caagaacaaa ggtgttatct ggtcagaaga aactttgatg 300
gaatatattg agaacccgaa gaaatatatc cctggcacta aaatgatntt tgctggtntc 360
aaaaagaaga gtgagagaga agatntcatt aagtatttaa aacaggccac atcctcatga 420
agtgaagtag tatttcagct tcaaaatatt cgctaccagt ttcaaattatt gtgt 474

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<210> 5583
<211> 475
<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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<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> (341)..(341)
 <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>
 <221> misc_feature
 <222> (353)..(354)
 <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> (362)..(362)
 <223> n is a, c, g, or t

<220>
 <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 tgctttttaa ctgcaagaga 300
 aaatagactc cattgaaata ctaantttnc caagtagtnt nattgaantc ctnttctgnt 360
 cncacagttt aattctattt ttgtaagaac ataatggnac tgcctaatag agagtgtctac 420
 attgcaccct tgtgattctt agtgcatagt gcagctatgc tggaacacgt ttgaa 475

<210> 5584
 <211> 571
 <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>
 <221> misc_feature
 <222> (309)..(309)
 <223> n is a, c, g, or t

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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 cccagttgg cagcccagag ctgtgaccga gtgctggagc 360
 gggagccggg ccatttaaag gccttatacc gaaggggggt tgctcgggct gccctcgggg 420
 acttgaaaaa agccactgct gatttcaaga aagtgctagc agtagatccc aaaaaccgtg 480
 cagcgaaaga ggagctgggg aaggtggtca ttcaggggaag gaaacaggat gcagggctgg 540
 ctcgggggact 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

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tgtttttattc attttaagaa catttcataa acagaattgt acttttaaaa acaatttttt 300
atntagcttt ctaccttttg aaatgtactg tcttactcca aataatatcc tgagatctat 360
ccaagtgttg ggtgtgttgg taattaattc ttttcttatt ctttacttcc actccccccc 420
caagttgttt caaattgttg tttccaaagg gggggggaac gctcatcgac ttgaaagatt 480
taggtttctg ctgaagttaa aatgtggttg ccctgtatta aagct 525

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<210> 5586
<211> 287
<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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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<400> 5586
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ntgactctcc ttccctccaa cccaccctc tttctgcctt ccaatgaacc ccatttggtg 120
tgggcagcac tggcttcctt cccttntctc ctgagctgcc aaatcgaagc cagtctctaa 180
cctgggtgaa taccgtttat ttaaaaatgc caaacatagc ctagatatag aatatgggtca 240
tgtatctatc gccttctcta tttaatagtt ttctgctttc taaccaa 287

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<210> 5587
<211> 528
<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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<400> 5587
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agcagggtggg attgaggcta ttgtacaact tataaacacg cggcagccac aggccaagat 120
cattgtgctg ggtctgttac ctcgagggtga gaagcccaac cctttaagac aaaagaatgc 180

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caaggtgaac cagctttctca aggttttcct gccgaagctt gccaatgtgc agctccttga 240
tatagacggg ggcttcgtgc actcggacgg tgccatctcc tgccacgaca tgtttgattt 300
tcttcattctc acaggagggg gctatgcaaa gatctgcaaa cccctccatg aactgatcat 360
gcagttgctg gaggaacaaa ccggaggaga agcagaccac cattgcttga ctggcccatc 420
agtgttacag catcccgtt cctcagatca gttagaccac tggcactaca gaatccnttt 480
cttaaggcac tttgcattgt acaatgttcc tggatgcttg tatgtttg 528

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<210> 5588
<211> 457
<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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<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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<220>
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<223> n is a, c, g, or t

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<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 tgatttatcc ttggactgta ctcttcgcat ggactgggaa gttcttttaa 360
atcatactat taagacgacc atntcttctg ttaaattncn agtacgtgtt atagaccact 420
cagatcaagc cntctactcc ctctgagagt tttcaac 457

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<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 ccaccccgtt gagggagttc cccttgacct ccatccccgg 360
 ggcttgata tagattataa atatataagg gggaaagggg tgggtgggga ggggttggtg 420
 gtctggagtc tcacttcccc t 441

<210> 5590
 <211> 321
 <212> DNA
 <213> Mus musculus

<400> 5590
 atgttggtgc tacagagccc acgtctaggg ataccaagca gtcctgtgtt ctgagaggaa 60
 gtcgtacaca ttgtgcccta gcaaaggccc tcagggtgaaa gagcagagct gtgaagaact 120
 atctatcagg tttggagttc aatgacactc gagttttggt ccattctgaa gccatggatt 180
 aatcttaaag aatcagtcag cccttttcaa tggctccttt atatttttat caattttctt 240
 catttatctg accccaaagc cctgttatgc cacagaaatg gagctctaca gccattaaga 300
 cacattacag gccaaaggagc a 321

<210> 5591
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 5591
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 ggtggtgcag atcaatcggg agcgggtggcg agccaaggta cccaaagaag aaaaagccaa 120
 gaaggaagct gaagagaagg ctgcctggc 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

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<220>
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 <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

<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

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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

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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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 <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> (318)..(318)
 <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> (345)..(345)
 <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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<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> (490)..(490)
 <223> n is a, c, g, or t

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 aggtgaagaa catgaacggt tctgtactca ttttaatcca aaagacctag aacttaaatg 180

gacattaaag tcaccagat taagccaaaa cctacatttt gtatttttaa gtctaactgg 240
 tcaacaaaaa tagattggcg ctatggggccc ataaagtgtg actggctttg ttcccaaat 300
 nttttatacn tngangantc aaccttcctt ctttcacact ttntntccat attntttggt 360
 ttattngtgg ttnttagtt gactcatcan tnatagntct ttttattata ttaactgctt 420
 aatccatttt gatgtaaggg taaaagttaa atttgatgaa aaaaanttgt gtatgaagac 480
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<210> 5594
 <211> 464
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (139)..(139)
 <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> (208)..(208)
 <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> 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 ccgtcttctg ctggctgaag ccgccacctc taaatcctga agtgtgagcc 360
 agctgcagtt gttgctgcc aagcctctac cgtcatcccc gccaccact gctgcacct 420
 tccggactct ggccctcagg ctgttctgga ctccaggact ggag 464

<210> 5595
 <211> 377
 <212> DNA
 <213> Mus musculus

<400> 5595
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 cccctttttc aagactatca actggtccct cctggagaag cggaaggtgg agccgccctt 120
 taagcccaaa gtgaaatccc cttcagacta cagcaacttt gaccagagt tcctgaatga 180
 gaaacctcag ctttccttca gtgacaagaa cctcatcgac tctatggacc aggaagcctt 240
 ccatggcttc tcctttgtga atcccaagtt tgagcaattc ctggacattt aattaagctc 300
 ccagacctgc tttaaagccc ctggcagagt aggcccgtct gccctggttt gcaccgcatt 360
 gcccgtaggag 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 caaathtagt ggccatccca aagggtttgc 180
 atatatatag ttctcggaca aagagtcagt gaggacgtcc ctggccttag atgagtcctt 240
 gttcagagga agacaaatca aggtgattcc caaacgaacc aacagaccag gcatcagcac 300
 aacagaccgg ggtttcccgc gctcccagata 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

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 <222> (134)..(134)
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<220>
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 <222> (154)..(154)
 <223> n is a, c, g, or t

<220>
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 <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
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 gtgctaagcc tggctaa 317

<210> 5599
 <211> 479
 <212> DNA
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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

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 gcagaagctg caaacatccg tggatttccc attggaaaat cttgacctgt cacagtacgt 180
 tattgggtcca aaaaacagct tgaagaaata taacttgttt tctgtttcaa accactacgg 240
 cgggctagac ggaggccact acacagccta ctgtaagaac gcggcaaggc agcgctgggt 300

taagtttgat gaccatgaag tttctgatat ctctgtgtct tctgtgaggt catcagcagc	360
ttatatcctc ttttatactt ccctgggacc acgcataact gatgtagcca cnatagagag	420
gagtaggctg tcggcttatt gacgtctcca aattgcagcc tcacatctaa tgcttacia	479

<210> 5600
 <211> 371
 <212> DNA
 <213> Mus musculus

<400> 5600	
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ggatcttagg acccatccca gcacatatga tccagaagac aaggaaacgc aagtatttcc	180
accataacca gctagattgg gacgagcata gttcagctgg gagatatgtt aggagacgct	240
gcaagccgtt aaaggaattt atgctgtgtc atgacgaaga gcatgagaag ctgtttgacc	300
tggttcgaag aatgttggag tatgaccag cgagaaggat caccttggat gaagcattgc	360
agcacccttt c	371

<210> 5601
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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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ctttttatga gcagtttgcc aactgagaag gacgagcgac tgagctgggt ctttgaagca	120
cagtgcagca aacccttcgc cctgctctgc aggtgactgc aggagtcttg 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
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<210> 5602
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 <212> DNA
 <213> Mus musculus

<220>
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 <222> (502)..(502)
 <223> n is a, c, g, or t

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 ggaaaatcgc agtggttcaa ccagaaaaac aaatactgtc ttcaagaact gtccacgagg 120
 gcctgaagaa tcagctgaac tctaccact cagtgatgat caatggaaaa tactgttgtc 180
 caaagatata cttcaaccac cgttgcttct cagggccata tcttaataaa ggaagaattg 240
 ctgagctgcc tcaatgtgtg ggacctggga actgcgttct ggtacttaga gaggttctta 300
 ctttgcttat caacgcagca taaaaacca gccgcgtcct ccgtgagctc cagctggaca 360
 aagactctgt gtggcacgga tgtggggaag tcctaaaggc caaatataaa ggaaagagtt 420
 accgagctac tgttgagata gtgagaacag cagaccgagt gactgaattc tgccggcaaa 480
 catgcatcaa gctggaatgt tntcccaacc tctttggtcc acgcatgggt ctggatacat 540
 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>
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 <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

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 tttagggagg actgtccaca ggatcgggaa gaattgggtc gccacacctg ggctttcctc 120
 catacgttg cgcctatta cccggacagg cccacgccag aacaacaaca ggatatggcc 180
 cagttcatac atatattttc caagttttac ccttgcgagg aatgtgcgga agacataagg 240
 aagaggatag gcaggaacca gccagacaca agcnantcga gtatccttca gccagtggct 300
 gtgccgcctg cacaatgagg tgaatcgga 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

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 ttcatgtgtc attcaatgct tggacctttt aagtttggtt ctaacgtcaa ctttgttggt 120
 ggcaataatg gaagtgggaa gagtgtgtg ctcaccgcac tcatagttgg tcttggtgga 180
 aaagcagttg ctactaacag agggctcctt ttaaaaggct ttgtgaaagc tggacagaac 240
 tcagcagata tctcaataac attaaaggaac agaggagatg atgccttcag agcaaagtgt 300
 tatggtgact ctatagttgt gcagcaacac attagcgtgg atggaangtc gatcttacia 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 ttttcctgt catcagaggg cgaggaagag gaggaggacg aggaagagga 120
 ggaggaggaa gaagaagaag aggaagagga gcaaatcccg gtgaagggca agct 174

<210> 5606
 <211> 426
 <212> DNA
 <213> Mus musculus

<220>
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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

<400> 5606
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 caacattgca cctatagatg gcattcgctc atcatttaca agtgctaagt ccgtgttcag 120
 cacaaaggcc ttggtgaaaa tgcagctttt gaaggatgtt gtgggaaatg acacatacag 180
 aataaataac aagtacgaca caacataccc tcctcttcct gtggaggagg tgataacaacg 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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<400> 5607
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tgcgggtgtc tgggctgagg atgatctatc tccaagcctt tgcacactag acccatgtgt      120
tgccctacct ggaacagctc caccgggcct cactaaccag gaggctcaac 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 gcctgtgtcg aaaccagtcc cgtgttctact tgtggaagcc ga              472

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<210> 5608
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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catntnttaa agagnagcaa tcaagcctcc aaacagcaga gatttagntt ctttttcctt 180
tcagtactgt ttcagatatt tctctttaca aggtttatta gcttttagagt ctactccatt 240
cattccttgt actgcccaca cagttgttac tgattgctgg gtttcagaat aagaaccttg 300
ctgttggttaa aagcaaattg agaacattnt cagctttgag acctagagga agatcagata 360
gcattgtgac tgaattttcc ttagaaatgg gagagtagtt aattagtatc agtaagtcaa 420
ggaaagtgta aacatacggt taaaactgga attcctgttc tcttagtctg cattgtgaaa 480
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<210> 5609
<211> 444
<212> DNA
<213> Mus musculus

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<400> 5609
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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 ttctgggggtt tgttctctac cctttccaac caatcacacc gccttttttt 300
tttttttttt ttaaaaggaa aagacaaagg aagggtggaag tgggtgtccct gccctccctg 360
cacccatgtg cctgggcttc cccgtttcct gttgccactt accctattgt gtgtctacag 420
ccaccttacc actgagccgt aaga 444

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<210> 5610
<211> 597
<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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<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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<222> (370)..(370)

<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> (476)..(476)

<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> (564)..(564)

<223> n is a, c, g, or t

<400> 5610

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tggacagaaa cagtggaatg ctggaggctt ttagcttctg cttggaatgc aatttaagca 120

catttaaata tcctaactat gatacagagg gaagcattnt acatgcatgg gggatcatgca 180

ctgatgactt tgtattgtta cctatatatg tgatatgatg ggntctntnt tttctatcgt 240

tatcaaagac tcattcttnt ngtanctgtc tggtagtgat naacagtga ctataaagac 300

tgctctanca ngaagtntcc caaatgtgac ctggagaacc nggggagact gtgtaatgac 360

tnctgtgtgn tcctatgtga catcaggcaa gtggcttttg ggagcctggg ttcctccact 420

cagtggaagt agtgacaacc ttagctcag gttattgtct antctgatga ggtagncaaa 480

gcaccagct cattgtcaaa gttcaataaa tatccatctn tcctcatcct ttaactagaa 540

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<210> 5611

<211> 400

<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> (368)..(368)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (372)..(372)

<223> n is a, c, g, or t

<400> 5611

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tgtctgtcct ttcaaatgct tgccttcctg agacttgtaa taggaagggg gtctgtaata 120

acaagcatca ctgtcactgt gactatgggt ggtccccgcc tttctgcctg cacagagggt 180

atggaggtag tattgacagt ggtccaacat ctcaaaaaag aagagtcatt atcactgtcc 240

tgtcaataac tgtgcctgtt ttatccatcc taatttgtct gtcataagct gggctttata 300

gaatatattg taaaatacct tctggtccca aagagactaa ggcctcttca ccagggttagg 360

aagacatnta gnttaatagc cgcctatgca ctaagtttgg 400

<210> 5612

<211> 78

<212> DNA

<213> Mus musculus

<400> 5612

gaaaaagcgc tgtaatactg aaccacctaa cagcttgggc atctcagaat atagagaaat 60

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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> 5613
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accaaagatt tattggatct tcttggtgaa gcaaaacaag aagtgccatc ttggctagaa 180
aacatggctt ttgaacacca ttacaagggg ggcagtcgtg gacgggtcaa gagcagattt 240
agtggaggat ttggtgctag agactatcga caaagtagcg gtgccagcan ttcngnttc 300
agcantgncc ntgctagcaa cagtngcagc gntggaggca nccntnnan cagcagaggg 360
tttggtggag gtagctatgg aggcttttac aacagtgatg gatatggagg aaattatagc 420
tcccaggggg ttgactggtg gggtaactga gcctgctttg ccataggcca ctctaccaa 480
caaatac 487

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<210> 5614
<211> 599
<212> DNA
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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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gaggctatgt gtttggttg gagaatctta tcagcatcat ggagcagatg cgggatgaga 180
accagtaggc cctgtgctgg gcctaggacc cccctcctct ccaccacag gcagggacca 240
ttgctctgaa cttgctgtga ggacacacag acttgctttt aaagggttat atttctcttt 300
ggtgtaaact aaaagaaatg tttttagctg tagcctggaa tccatatata taaagtagag 360
gagggcagaa catttgtcct ctgagccagg ctcttagct ctgtggctgt gactgctgtg 420

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tccaggctgt ntncaggaag gaagaggtgg cccagtgagg ncttgacagc anagagaatg 480
aatgccttga actttggtct cccttgcccta aggcgttttg gatctgtggc tgtggggctc 540
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<210> 5615
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (334)..(334)
<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> (375)..(375)
<223> n is a, c, g, or t

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catggagcag atgcgggatg agaaccagta ggccctgtgc tgggcctagg acccccctcc 120
tctccacca caggcagga ccattgctct gaacttgctg tgaggacaca cagacttgct 180
tttaaagggt tatatttctc tttggtgtaa actaaaagaa atgttttttag ctgtagcctg 240
gaatccatat atataaagta gaggagggca gaacatttgt cctctcagcc aggctcctta 300
gctctgtggc tgtgactgct gtgtccaggc tgtntncagg aaggaagagg tggccccagt 360
gggncttgac agcanagaga atgaatgcct tgaactttgg tctcccttgc ctaaggcggt 420
tgggatctgt 430

<210> 5616
<211> 361
<212> DNA
<213> Mus musculus

<220>
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 <223> n is a, c, g, or t

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 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

<220>
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 <222> (96)..(96)
 <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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 <223> n is a, c, g, or t

<220>
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 <222> (389)..(389)
 <223> n is a, c, g, or t

<400> 5617
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 tatcaaatga aaggttctgg agaagcatct tcagantcca ttgaccacag ccctgccaaa 120
 aaaagggcca gaacccaatg taaatgtgga gccgagactt gcagaggtta cctcaactga 180
 agtgtcagga aacggagctc atgaagaaaa agctcattag aagaaaaaca aaacaaaaac 240

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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

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<210> 5618
<211> 373
<212> DNA
<213> Mus musculus

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<400> 5618
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tggcgatggc cggcaagcag ccataggaac cagcagccag cgtcccagag agacagtcct 120
cctgtcctgt gcacatctgt tccacaatgc ctgcctcctg gctttggagg agttttcttt 180
aggagacaat gcccctttcc atgtctgtcc tctctgtcgc tcctgctacc aaaagaaaat 240
tgttgaatgc tgaattcatg tccaggaagt taaatgtctg actagaacaa gaaaggggta 300
aaggctatcc tgcttttgga tgagctgcat gggtttgggg tagaggacta cattgctgac 360
tgttctttgt gat 373

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<210> 5619
<211> 157
<212> DNA
<213> Mus musculus

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<400> 5619
taacaattgt gtggtgatct tctcaaaaac atcctgctct tactgttcca tggccaagaa 60
gattttccat gacatgaatg tcaactacaa ggctgtggag ttggatatgc tggaatatgg 120
caaccagttt caagatgcgc ttcacaagat gactggg 157

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<210> 5620
<211> 574
<212> DNA
<213> Mus musculus

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<220>
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<222> (199)..(199)
<223> n is a, c, g, or t

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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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 <222> (348)..(348)
 <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> (359)..(359)
 <223> n is a, c, g, or t

<400> 5620
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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 aagggggaga tccctnaagt antaggangt ctctcggnc 360
 ttcttgctgt tagcctcaca agttctgaga gatggggagc ggcccccagc ccccgcccca 420
 tcctgtcagg ttggtgcgga agggctagga tccttgccgc ccttccttc ggtgccggaa 480
 ccctcccaat tccctccct ggccccacat ccccaaccct gctgctggag tctctcgcaa 540
 acccctgtgt cgcttgaaa aaagtgccca agct 574

<210> 5621

<211> 550
 <212> DNA
 <213> Mus musculus

<400> 5621
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 aaaagaaggt attgcctctg caaccatgta tgctggagcc aaagacatgg cttattgcga 120
 cacacagcta cgcgtggcct ttgatgggga tgctgtcctc ttctcagatg aatctgaaca 180
 tattgccaaag gatcacgggc tggacaaatt tttccaacat gaaacactat ttgagaataa 240
 gcctcttgct cagggtcctc ttaaaagctt tctggaagat ttaggggaaac tgcagaaaaa 300
 attctatgcc aaagacgaac gattgctttg ccccatcagg acctacctgg ttacagctcg 360
 tagtgcagcg agttcaggtg cccgtgtgct gaagaccctt cgccgatggg gtctagagat 420
 agatgaagct cttttcctgg ctggagcccc taaagggtccc atcttagtga agattcggcc 480
 ccacatcttc ttcgatgacc aaatgttcca cattgaatca gcacagaaat ttggtaccat 540
 cacggcccat 550

<210> 5622
 <211> 578
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (177)..(177)
 <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> (296)..(296)
 <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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 <223> n is a, c, g, or t

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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

<220>
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 <222> (419)..(419)
 <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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 <223> n is a, c, g, or t

<220>
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 <222> (533)..(533)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (540)..(543)
 <223> n is a, c, g, or t

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 gcctacctca cgggtgggga cactgtttac ctggctaact ttaccagacc caactcccc 120
 ttccacacgg ttttcaagcc agaagcagct tacctgcccg agtgggtggg catcgcnct 180
 gacctgggac agccaaacac agtaggctct ggccatgcct cagccagagc cccaagagg 240
 cactgggggg ccttgctgta gtgcacatgc tcagtggntt tccagtcctg tcttcnatgc 300
 tttgcagctg agtgaccaca ggtcagtgat gtcacctnac tgccttcctg gtgctctgag 360
 cacagtctgg gcttagctga gcagcagcac actcgggtgc tttgagctnc tcatngncna 420
 ctgctagcca ctgtaggcct accattcgct gcattctggag tgnctgtctc atggaggcnn 480
 agtgtgtagc tagggtttct acagctctga taaaacacca tgacagtaaa cangttgggn 540
 nnnagagcta ctcagctaca gctacacttc acacacag 578

<210> 5623
 <211> 132
 <212> DNA
 <213> Mus musculus

<400> 5623
 gctgtgcacc gctgtgtct tactggctgc acccagcaag acctgttggg tctgtgtccc 60
 cactgaagga tcacagggt caggcggtgc gtccttaatt gtcctccacc 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 ctaaattggc tcgccaaca aatgatcagc 120
 cttgcaaata atcacagatt agctgtnnnt tnaactanat cagatgacaa caaagattga 180
 taaaaatcaa gctttgctng ttctgcatt aggggaaagc tgggggcatg ctgctacaat 240
 aaggctcatt ttctactggg aacaaaagca aagatttgca acattgtaca agtcaccaag 300
 ccagaaggag tctacgatac catttcagat cacacctcag ggatttagag acgctgtngt 360

cactgctgcc tcatcacaga cagagagttc ttggaatttc cggaaacggt cacgagaacc 420
agaggaagaa tgctgaccaa atgctgatgc cagtgtatcc agtta 465

<210> 5625
<211> 403
<212> DNA
<213> Mus musculus

<400> 5625
tgaggctctg agtgaagagc ccattctgaa gtggtataaa gacgcacatg ttgcaaaggg 60
caaaagtgtc ttccttgagc aaatgaagaa gtttgtagaa tggctcaaaa atgctgagga 120
ggaatctgag tctgaagctg aagaagggtga ctgaattttg aaacaacatc ctcagtaaag 180
caaacaggag ttgtagataa aatgtcatgt ctcattgtgc ctggttctta catcttccta 240
cctccctata tcaagcatga tataagggtc ttcatggcaa tttttatfff aactgtffff 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 agctaatacag gcgctacaaa tacctggaga aagggtttga agatgaagtt 120
aaaaagttac tgctcttcct aaaggggttt tcagagtcgg agaggaacaa gcttgccatg 180
ttgactggtg tccttctggc taatggaacc cttaatgcat ccattcttaa cagcctttat 240
aatgagaatt tggttaaaga aggggtttca gcagcttttg ctgtaaagct ctttaaataca 300
tggtataaatg aaaaagacat caatgcagtt gctgcgangt cttcggaag tcagcatgga 360
caacagactg atggagctgt tccctgcaa taaacaaagt gttgagcatt tcactaagta 420
tttactgag 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
 atgggtcttg ataaaatgaa gaaaacagca tgtgggttct gttttgtgga atactattca 240
 agagcagatg cggagaacgc aatgcggtac ataaacggaa ctctgtctgga tgaccggatc 300
 atacggacag actgggatgc aggctttaag gagggcaggc agtatggacg tggacgggtct 360
 gggggtcagg ttcgggacga gtatcgggag gactacgatg ctggaagagg cggctatggg 420
 aaactggcac aaaaacagtg agtgggggtga gccccaagta cacagggtcac ggtacatcaa 480
 cacagtgggtg atgtctggaga 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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ggaccaggct ctcactgggt gtaattgctg ctcttgccaa gtttgaagat tgatgttggt      60
agcaaaatTT ctcaagggtg tcaactggagc cccctcccct cgggccagct ctagtgtagg     120
catgcatcta gggatggcct ggcctgtttt cttctctgga catgttggtt ggctgaagtt     180
gtaacctgct gcacgcttgt gggctgacat ggccagaggc tttcatctca ccatgtgagt     240
gatgcctacc cgatgacaga agtgttgtgc gactgggctc tncctcncc ctcccagncc     300
accctttaca gacactggta tcatctggta cact                                     334

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<210> 5629

<211> 409

<212> DNA

<213> Mus musculus

<400> 5629

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ggagttactc agtccagctg ggatggttgt tgaggggtgca ctgagttcat gtgcacttac      60
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 cccacatta      300
gccctcactg ctggaggctg ctttccacat cctcttgttt agtaccagca tcatgggtct      360
tactccaggg gctgttcttg ttgatagacc ttcatcacag agcccagag                    409

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<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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agatagaacc ttgattgccc cagaggaact ctcccttgtc cacaatctaa ggaaaatggT      60
gaaaaatgac tggcatggag gtgcaatcgt gttgagcttg agccaaaccg ggtctctctt     120
taagtccaga acagcctatt tgccgcatga gctgctggga aaggaaggat ttaatgccct     180
ggagcctttt cttcccatcc tcattcccaa ctataatcca aaggagtttg aaagtTcctt      240

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ccagtactac ttagagaaca actggcttca acatgagaaa gcttcaacag aagaagggag 300
gaaggagctg aggttcctga gtaactgcaa ccctgagcag ctggagcggc tctgtgcctc 360
gctgtaagca cggacagcgg cggtggcatt ctgggaagac aggcttcctt cagctaccgt 420
gcgcgcatga ggaantccca aggttccaag ctgaacaccc tgacctgcac tgatggatat 480
gaaatgatag gatgttggtg tcctacagct aacaccagtt t 521

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<210> 5631
<211> 494
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

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<400> 5631
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gaggggaatta 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
tcttttagtag gctaactttt taaacattcc acaagaggaa gtgcctgcgg gttccttttt 360
tagaagcttt gtgggttgat tttttttttt tncctttctt ttttgtacat ttttaattgc 420
agtttttaaag tgaatcgtaa gagaacctca gcattgtgca cgataagaga atgtgtcagt 480
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<210> 5632
 <211> 520
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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 <222> (72)..(72)
 <223> n is a, c, g, or t

<220>
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 <222> (82)..(82)
 <223> n is a, c, g, or t

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 ggttactaaa catgcagctg aaaaccctgg gaaatacaac attcttggaa caaatacgat 180
 tatggacaag atgatggttg caggttttta gaagcaaatg gcagatactg gaaaactgaa 240
 cacactgttg cagagagccc cacagtgtct tggcaagttt attgaaattg ctgcccgtaa 300
 gaagcgaaat tttattcttg 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>
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 <222> (376)..(376)
 <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>
 <221> misc_feature
 <222> (392)..(392)
 <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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 atagtgttca gaaaactctg gatccaaaat gtggcatttt tctgagaatg aagattatac 120
 attaagaagc ttttaaaata tacttggtgt tcaaattggg atgtgtgttc ctagaagtgg 180
 taattcatac tgaccatgac ttcaagttgg aagagaaatg tctgaggagg gagggttccc 240
 tgagaccatg gagactgggtt atccttcctg ccagaattcc tatccagact gtgttgcaat 300
 atgctaattct cttttataga gaaagtgcac aaaagctata ttttgaagaa tgagtggttt 360
 caaaagaaaa cttctncct 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

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<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 ttcacagcc agtggtgcgg tggtnccct 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 ttttgacat aaccttgtac aatcttgcaa aagaggccag caacataaga	180
tatatatctg gactctcctg tattatagaa ttttttctt gttctgagta tccttgacat	240
tacaattgtc aaaaatggta tttcagatct ctttctgaga cttttaagc taaaataaca	300
tgcaagaatt gattttacag ctactaattt tgacacctt tagacctgta agagtgttgt	360
atcagagcaa caagcacagt tgagtgtgc gtttgggata tttagtttcc tctttagttg	420
agcaccactg ggtgtattca tttata	446

<210> 5636

<211> 101

<212> DNA
<213> Mus musculus

<400> 5636
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tattcctgttg 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
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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


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<400> 5638
aaaacaagct ttgagattgc ggagcttaag gagagattaa aagcaagtcg tgaaactata      60
aactgttttaa aaaatgaaat caggaagctt gaagaagacg atcagacgaa agacatttga      120
gcaactggcg gtaagtcggc tgcagagccn ggggcgccgc ggagggactt gccacagacg      180
ctgcggtggt tctgggagga gctgcgagcg cgggtccccag ccggccgtgg ctttctcaga      240
gaggactccn aggtaccac actgtcaggc tgcctcccgg ggcacatgtg tgctctnnaa      300
gactcgatgc tgggtagcat tccacgacgt taagcacaac ttttaaagtg tttgttttgt      360
tttaaattga actctatgtg tagtttatcc tcctcaggca ggcgtagcgg ttgtgttgta      420
aagtctaacg tgtgcggggt ttgtacctct ntccntagga ggattagtga ctggtatgtg      480
tgtttagttc ttc                                                                493

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<210> 5639
<211> 482
<212> DNA
<213> Mus musculus

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<220>
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<222> (64)..(64)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

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<400> 5639
gaacgtttca gagttgctag agcatcagcc tgtgatatgg agtttatgac gctctttttt    60
tggnagatga cctcgtgctg agggaggtgg tagctgcaga tccaggagga gcggggaccc    120
cagaggccca aggccagtgg gcatggccac ttgctgcctg tggttgcctg tgtgaacact    180
gggaagcagg atctgactgt ttagcatgag agaataccca gctcggccct ggtctggcct    240
ctatagatac atagtgtata cttgtgtaga ctttgcatat atacggattt gtagtatttt    300
cctgttttga tgtctaattc gntatctata atgtacccta gtantcggac atacttttga    360
ttgtacaatt gtacatttgt atacctgtaa tgtaaattgtg gaggagtttg atcaacacga    420
acacgttttt ggtaagaaga gaatcancca ncccgtncac tctgtatatc ccacctttta    480
tg                                                                    482

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<210> 5640
<211> 533
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (313)..(329)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

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<400> 5640
agatctcagc tctgatattc gctcggcagt acctggctaa cctcctcccg tctgtctttg    60
acaaactcag gaatagtggc ttcttttatg atccaattga aagagatatt gaggtaggat    120
tcctcccatg gctaataaat gaagttgaaa aatccatgga acacagcatg gtgggaagaa    180
ctgtgcttga catgttaatn cgcgacgtgg ttgaaagaag gatcaacgat tacgagcaca    240
aggaagccat gccgcctggt cagaagacaa atgtgattaa tggtcctaac acagtgcacg    300

```

atccctcggg gannnnnnnn nnnnnnnnc cacattgcac acgcagaagc cagttttaga 360
 cagantctcc tcacagccag caccatccca agaaaggaag cctgtggaag agggggggaca 420
 ccttatggca gagtgaccaa gagccagaga gcagctcaac atntgggtcag ttataatgca 480
 aggcaggcac atgaccatc 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
 gaaatgttgg ctgtcgacgc accgaggaga cataaagtgt ctgtccatgt tcttgccagg 60
 gaaatggatt cttgtcctgt tgttggagag ttccctctc agaatgatat aaacttgtcc 120
 gaagcgccac ccttgccaca acctgaagtg attcacaaca tgactgagtt caagcgtggc 180
 ctgccactgt ttccctcgt 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
 gttcaaagtc acagcacgag cctaggaata ggatgtctcc acagaattca tgttgtgttg 60
 tcgccatttt gtatcagctg gacctgccat tctaggatta tgaggccacc ttggaggagg 120
 aagtgggtgtg gtacacactt ggggtgacatc ataacatgct tccagatcat agtgttcagt 180
 gtcctctgaa gtaactgcct gctgcctctg ctgcccttga acccatgtac ggtcgccaga 240

cagggaccag tgagctcccg accccaaaca tgcagagtgg gggccctgtc ttctttgtgt 300
gtaattgcca aacgtctaaa gcttcatgtg ctgggctgtg tacatatatt atggatttaa 360
cactggtaac tgcatatatt gatgccaaca aagttttagg gatacaatgg taccttgcca 420
acatcgagtg acttt 435

<210> 5643
<211> 346
<212> DNA
<213> Mus musculus

<400> 5643
cttctccctc ttcgacaagg atggagatgg caccattacc accaaggagc tggggactgt 60
gatgagatcg ctgggacaga accccactga ggcggagctg caggacatga ttaatgaggt 120
ggatgctgat ggcaatggga ccattgactt cccagagttc ttgaccatga tggccagaaa 180
gatgaaggat acagacagcg aggaggagat acgagaggcc ttccgtgtct ttgacaagga 240
tggaatggc tatattagcg ctgccgagct gcgtcacgtc atgacgaacc tgggggagaa 300
gctgacagat gaggaagtgg atgagatgat ccgagaggcc gacatt 346

<210> 5644
<211> 477
<212> DNA
<213> Mus musculus

<400> 5644
agcagctgac gtgcttgcta gttttcaggt tcgcaccaga gatgcagtgt ctttaagtcct 60
gtcaggagag tgacttttaa atgtatgtat ttcaggcttt caccattaac agattgcata 120
tatacaatcc attgactttt aataaattgg tagttgatat ttatttgaat ggagaattac 180
gaatatagat tataaattct gtctttaatt gaccttttct ttgggcgcta ttttaatgat 240
ttaagtagga gttatatatt cagaaacttt ctagacagtt tggaaatttg ggtgctatat 300
gaagaaaagc atttgaggct gtatcatatt tcagatataa acaccttggt ttcttgaatg 360
ttttatttat tggtttttaa aaaaaacttt tctgttatca agatggtgcc tgttaaccta 420
aacacagata tattttattat 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

<220>
 <221> misc_feature
 <222> (202)..(202)
 <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> (392)..(392)
 <223> n is a, c, g, or t

<400> 5645
 aagagaatag ctgaactttc tgaaaaagaa gatcagaaaa tattttctaga cttgcaggct 60
 gaaggattcc ctntcatcga gaccagtacc ctgactgagg aaggtntcat tcaagttaaa 120
 acagaggcgt gtgacaggct tttggctcac cgagtagaaa cgaaaatgaa aggaaataaa 180
 gtgaatgagg ttctnaacag antgcattta gctgtgcccn acaagagaga tgataaggag 240
 agaccccctt tcatcccaga aggagtgata gctcgaagga agagaatgga gattgaagag 300
 cccaagaaga agagggagcg agatcttgag ctggaaatgg gagatgatta ctttttgat 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
 gtatagaatc ggaccatatc agcctaattgt tcctgttggt atagactatg tgatacctaa 60

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 cacatacggg 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	
ttcttttaat gtcattgctgt ttagatgata agaaatatta agaattggct ttagatttgt	60
aatttttttc tcttgagttc ctgctagggt 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	
tgtcctaatt ccgttgagc tatgaatgta aaccattcct caaggcactg ctgttagctg	60
atgcatttta tatctgtaaa accatactca gaactgttta cgtagaactc agctgtcctg	120
tgctgccaca gcaccaacca caatgctttg ctccctgagt aggagtcctc gtccgtgtgc	180
ttatacccg cactcgtctg agcctgtgat ggcagagcct ctgtcgaagg ctgcactgag	240
ggctcatggg agctcttttag aggaattctg gccttagagt tagccccagg agttgtgcgt	300
gcagctctgc actgtacagc gtgttcctgt cacacagtgg ac	342

<210> 5649
 <211> 439
 <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> (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
 tgaggactgt ggtgccact ttgaagactc caaccaccnc acatctactg ctcacctgct 60
 gtcactgtcc aggagacccc agccctccaa ccttccccctt ggggtgccca cttccagtcc 120
 tggcttcagg ctactgctga gaggtggctg ggaaccagga atnggggcta ggaccccggt 180
 gntgaaggcc gtgccaaccc tatccccact atcctcaaga gggaccagga aggattgggt 240
 tatagatccc caccccaacc ccgagtcaca cactttgcag cgcgggatac ccgggctggn 300
 tnntgggaga gagagagtcc ctcgagttgc cacactgant cagagggaga acagaaggca 360
 agaagaaaag ggcagagcct gggagcgaga tctaagactg tacatgaacc tcgagttctg 420
 actgatattg actggccct 439

<210> 5650
 <211> 413
 <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> (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

<400> 5650

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tgactaccag	
tttgagatct acaggctcat gaggaaggag aacaaaaact gctgggggtga	120
gtatcacccct	
tacaataatg tgctgtggct gcattacctc acagacaaga ttctgaataa	180
gatgaaattt	
aagactaaat gccagagcgc agccatgaag caaataagga aaaacctgca	240
acatttccac	
aggactgtac tgagtttcag ctctgccacg gacctgctct gccaacacag	300
tctatttagg	
taagccagga acttagactt tcagagcctc ttttaagtaca cttttagncc	360
tctggtacta	
atctctncca ctagagccna gatggagggtg aaagcacatc cttaagagtt	413
cct	

<210> 5651

<211> 572

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (294)..(294)

<223> n is a, c, g, or t

<400> 5651

gaaagccgcc tacgtgttgt tctatcagcg tcgggatgac gaatgctcca	60
gcacatcttc	
gctcggcagt ttccccggtt ctgatggagg ggtgaagctg agcagctcac	120
accagggcat	
gggggatgag gaggcttaca acatggacac caactgatgt ggcctctgtg	180
accctgccac	
cctccaaca ccagcatcct ccccaggag aatatctgtg gcaactcttga	240
agactgctca	
tatcaatctc aaaccagatg aggacattac ctctttttat gagaagagga	300
aggnaaagag	
aaaccctgct ttctgagaag ggctctatgt taagaggctg gattatTTTT	360
tcttttaaAC	

ggggtggtgag agaaaaacct gtggagctca attgtgggct ggggtttggt gcacagtggc 420
 atgtgtctca tggattccaa agagtggaga ggaagaccct gcaatgagca tggcgcagcc 480
 atgaagaccc acctgcaggg ctgctccgaa ctggggtttg gattctggtg cccacactgc 540
 tcaccccagt agtctggcca cagtaaacca ag 572

<210> 5652
 <211> 362
 <212> DNA
 <213> Mus musculus

<400> 5652
 cactggagaa gtctgggtcc gctttgacct gcaacttttt gaacaaaaaa ctctcctttg 60
 agggcctggg gaagccagaa ccaggggagc tgcccacaag gctgggtcta aagacagatt 120
 ttgctctccc aggacagagg agcatcacat ggcttcatcc atcaaacagc cacactcgct 180
 gggcctgtat ttattgcac actaaattgc tagcaatcta tgcaaacaatg atcttttaaa 240
 caaacgccac agcacagtgc cttgtactag tgttaacctg ttcagctgtg ttagatgcca 300
 gggtttccat tttcagggt ataaaagtat tatgtggaaa tgaggcatca gaccaccgga 360
 cg 362

<210> 5653
 <211> 469
 <212> DNA
 <213> Mus musculus

<400> 5653
 gggaactcca atgataccag ataatggcgc agtgcacaat gatagggttc cccaaggacc 60
 tccatcccag atgggttcac ccatgggaaa tagaacaggt tctgaaactc ccagggcacc 120
 gatgagtggg gtagggcctg taagtgggtg tcctggcggc tttggtagag ggagtcaagg 180
 gggcaatttt gaaggcccta ataagcgtcg gagatattaa ataatgggtc attcctgact 240
 gtttagaaaa acattcaatg gtatgtcttt acaccatgtc tgttactagg gagaaatggt 300
 tttactgtta atgtatgtag actaaagttt ttcttttgta aaacttgagt tttttttgta 360
 ttttctttat tcataagctt tgtagattag cttgggtgaaa aagatgccca tcattgtgaa 420
 tgttgaaaag tgtttgtgac cttagctaac gatagctatg tggcattat 469

<210> 5654
 <211> 429
 <212> DNA
 <213> Mus musculus

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<400> 5654
gggtactgac agactccttg gagtatgtat atataaaata acaaacttgt attcatattc      60
tttcagtgat gtgttggttct acaatccaga atggcttttg caccattttt taaaccagtt    120
ttccccctt tgccgttggg 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 ttttaagggt tccttatctg    420
tattatagt                                     429

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<210> 5655
<211> 460
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

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<400> 5655
gaccagccct ttatgggttc attttctaca tattccatgt ggaacttaaa gaactgccaa      60
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 agcaccagg    360
tcttagtttt cacctgtagc tctggatgta cattccattt ccatctgcag tgtactttaa    420
gactntnctt aagaaatact tgcatgaact ccgtgggaac                                     460

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<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 ctcttttctg 300
 gaaagatact ccntgaatga aggcttagtg gctgagatcg aaaggctgcg agaagaaaac 360
 aaaaggctgc gggcccatct ctgaagactc tgggcacctt gatttggttat gagttaggat 420
 gtttctggca actataatac acgga 445

<210> 5657
 <211> 405
 <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> (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

<400> 5657
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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

<400> 5658
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 agaagcatgc tgcctatgcg tggccctttt acaagccagt ggacgcggag gcgctggagc 120
 tgcattgacta ccatgacatc atcaagcacc ccatggacct cagcacggtc aaaaggaaga 180
 tggatagccg agagtaccca gatgcacagg gctttgctgc tgatatccgg ttaatgttct 240
 cgaattgtta taagtacaac cctccagacc acgaagtggg ggccatggcc aggaagctcc 300
 aggatgtgtt tgagatgagg tttgccaaga tgcccgatga gcccatggag gcnctgcnc 360
 tgcccgcctc cacggccccc atcgtgagca agggggctga gagcagccnc nagtagtgag 420
 gagagntntt cagattcagg cagntcagan tcagaagagg agcgagccan tcggctggct 480
 gagctgcagg agcagctgaa ggccgtgcac gaacagctgg c 521

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 ctcaaaccce gacgagattg agattgactt tgagaccctg aagccaacca cgctgcggga 180
 actggagaga tatgtcaagt cttgtttaca aaaaaagcag aggaaaccat tgtcaacaag 240
 cgggaagaag caggcagcca aatcgaaaga ggagctagct caggagaaga aaaaggagct 300
 ggagaagcgg ctgcaggatg tcagtggaca actgaacagc aaaaaaccce ctaagaaaga 360

gaagtccggc tcagctccct caggaggccc atcaaggctc agcagtagca gctcctctga 420

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 cacaggaaag atcagcttca atgacttctt ggctgtgatg actcagaaga tggccgagaa 240
 agataccaaa gaggaaatcc tgaaggcttt cagggttgttt gatgacgacg aaactgggaa 300
 aatttcattc aaaaacntca agcntgtgnc caatgagctg ggggaaancc tcacagacga 360
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 ncnnnnnngt agagatgtgt ttgatcagca agtcaggagt caaactgctg cctttaaaaa 180
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 tttctctttt ctttgactta acattgggtt 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
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cgcccatcct gctcggttct cccagatga caaatattca agacaccgaa tcaccatcaa	180
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<210> 5664
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 <223> n is a, c, g, or t

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 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
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 acatggtgac agctttgata ccttctctgg 510

<210> 5665
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 <212> DNA
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<400> 5665
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 cactatccca atcaaagaat tacagtatac gtcaccccag aaccgcgaga tgtgttcctg 180
 gcccgctctg taacagccgg ttagaattac catgacacac acatttgcct ttccacagta 240
 ttcgaaaaag aacttgcatt tctattacct tagcaggaaa gatctggttt tgctccactc 300
 catgcaggag cggactttgc tgggtgtgaga gtctgagtac agctttctag caaccttctg 360
 tttcctttca cagcattgtc cttgctgtcc tcttctgat ggctgctaga ttttaatttat 420
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<210> 5666

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 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
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 caccccccta cgagattcca gatcaacttc acagagtacg actgtaccgc gaatgagctg 180
 tgttggcccc aacttctgta ccctctgacc cagtattatc aaggggagcc ccagtctcag 240
 tgtgtggcca aaggcctgat gctgctgtca ctctcatgc 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 ttttatattat tctgtttctc atgctagagc ccaggttctc catctgtatc 120
 ctctagtag ctctttccct ccagggaagg atcaggcaac ctctgggtatc ctagatgctc 180
 aatgcctaga acctgccagg acttcaattc tgggatattc cctacagaca ttttgacagg 240

ctttgagggtt ctacatcctg gtcccagggt 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
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 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 ggtagctttt acaataaagg 420
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 <223> n is a, c, g, or t

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 gaaggtgctg ggccaaggaa aatggaattt gaagcagcag tattacacag gctacatgga 240

gagtgaagtc ctggaagtca tgcagcacat ggccaagaac gttgtgaaag tcaatgacaa 300
 ccgtaccaag ttcattcgctg tcaagaacaa gtatgccagc agcagactcc tgaagatcaa 360
 gcacgatccc tcagctgaac tccaaaatca tcaaagacct ggcntcccnt ctgctgggca 420
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<210> 5671
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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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 accagtgaac accttgaact tctcaaacat atgcacgctg tgggggagaa ggtgatagca 180

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gattttgctg gatccagcaa actgcgcttc cgattgggct accatgccat tcccagcatg 240
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aagcattgga attcttttaa tacagaatac tttctggaat cacaagctgt gatcaagatg 360
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ntccgttgcc atgagtgtca gcagctgctg ccttccatcc cgcagctgaa agagcacctc 480
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 <223> n is a, c, g, or t

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 attagaaata gctagttgaa acttaatact tctcaaaact catgttcctg tgtccacaaa 180
 ctaagtttat atgtgaactt actgagtctt ttgtgtcat accaaaataa agcaaggact 240
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 tgaaagctga gctcagcagg agcactgtgg gaaacaaagc attgactnct ngagtacaga 360
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 cattgttacg tgtgcatnac nngtcgctct tgtgggtgata gantcttatt tatttttatn 480
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 <212> DNA
 <213> Mus musculus

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 cagaactact tcgagcagaa cagggatgaa gtcctggata acctcttggc ctttgtgtgt 360
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 <211> 495
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<210> 5675
 <211> 522
 <212> DNA
 <213> Mus musculus

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 aagcactgga tatttaccag ataattgaac tcaccaaagg ctctttggaa aaacggaagc 180
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 agaaaataga atgaggccac ttatttcatt gtctttctca aatacaaagt aaatacaaga 240
 ctgttgtaat cttgtattca ttctttgaca tgcattgtng gctatttgag atactaaaaa 300
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 aagtgnaaag tatcaciaat tttttttctt tcttcccttt tttctttttc tttctttctt 420
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<210> 5677
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 <212> DNA
 <213> Mus musculus

<400> 5677
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<210> 5678
 <211> 477

<212> DNA
 <213> Mus musculus

<220>
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 <222> (416)..(416)
 <223> n is a, c, g, or t

<220>
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 <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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 cacctttttg tcttgagttc ctcctggggg gagaagagta ggggagaacc caggtgttca 120
 gaggggtgct ctgcctggaa tcaaagggtc tgttttgtag agttactgca tggttgttaa 180
 tgcttagaat ggcaacaagg tagaattatt aatcaaaggc ctatcgtaa 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 ttagtaaadc cgacaaagcc tgcagac 477

<210> 5679
 <211> 328
 <212> DNA
 <213> Mus musculus

<400> 5679
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 tatctcagaa ccgagtggct gagttccaca cagaattaga acgattacct gccaaaggaca 120
 tccagaccaa tgtctacatc aaacaccctg tttccctcga gcaatacctc atggagggta 180
 gctacaacaa ggtattcctg gctaagggga acatccctgc cgaaagctac accttcttca 240
 ttgacatcct gctggatacc atcagggatg aaatcgagg atgcattgag aaggcctatg 300
 agaaaatcct ttttgctgag gctacccg 328

<210> 5680

<211> 343
 <212> DNA
 <213> Mus musculus

<400> 5680
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 gaccaaacct cagaagcagc ttttcattct cttgacagtt gcaagcctgc cgctgagagt 120
 gtgcatgctc ttgtcctaac cacacaccct tgggtgggagc gcctgctgcc aggccaccgc 180
 agttactgct tagtacccaa gttgactgtg tttgttagac acacctgtgt ttacttatag 240
 actaggttta taatggggcg gggtaggggt cattttatgg tgtttgaaag ctggggaagt 300
 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 cttctcaca gaccttcagg atcaagcgat tcctggccaa 120
 gaaacaaaag caaaatcgtc ccattccaca atggattcag atgaaaactg gcaataaaat 180
 catgtacaac tccaagcgga gacattggag acgaaccaa 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	aatTTTTTaaa	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	
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acgtgccctc	ccagccacca catcgcgaca aagctcagct ccacaccaag aaccaggcgc 120
tcaactccac	taatggagag ctgaacacag acgacccac cgcgggccac tccaacgccc 180
ccatcgcggc	ccccgcagaa gtagagggtg cagatgaaac aaagtgtgc tgcttcttca 240
agaggagaaa	gagaaaatcg ctgcagcgac ataagtgagg gtgggtgcag ccgctcaaga 300
tccccaggcg	ggtgtctagg aaactggcag tgtccttggt ggtgtggggc tccttgggcc 360
acctgcaggc	accatctttc gggacttggg gtcccttcct tcacacagga ctttggcgga 420

aatctctaca cccgtgtctc atcatcccct tcgagagcat taactattta aaccaggag 480

agaagcgctg tgccgtccct gctgcgcccc tgtagctca 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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gctttgaact tgtctatggt cctgctatca gagatgcaac gatgagaagg tacacaatct 180

ccaatgccct caatttgatg cagatctgca aaggaaagaa tgtaattctg tccagtgtg 240

cagaaaggcc tttggaaata agaggacat atgacgtggc aaacttagga ctgctgtttg 300

ggctttctga aaatgatggc aaggctgccg tgtccacaaa ttgcagagct gtatttctcc 360

atggaganan nannaaaaan ctgcttttgg aattatttct acagtgaaga aaccacggcc 420

atcagaagca gatgatgaat ctncctccag 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 tactttgtaaa 120
 tgttgttgaa ttttaciaaag agcaattttc agctgtgact ttttaaattct atttctgtac 180
 agtttagtcat ttttaataacg cggtcctttt cctagtcctt gaaacctgtc tcataaagtt 240
 taacggggag cagccctttt ggtgttgcaa aatgaagttc aaggcttcta aaatgttgcc 300
 atgtattgaa aggcgctaatt gccattgtaa atgttattag tttcacattt ctttaagcagc 360
 ctagagtaca ggggtgaacat ttgtagatct tctaattgatg 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 gtcgggtcct ggttcccagc gcctcctagg agagagagaa gaaaggtgcc 120
 caacccttag ctcttccttc ggagcaatgg ctgaattcat ggactatact tcaagtcagt 180
 gtgggaaata ctacttgtct atgccagagg aaggaggagc aacccatgtc taccgttattc 240
 acagaaggaa acctccagag atgcacatgt actcagatac tgggcacagt caggaacaaa 300
 gaaactgcag aggcgagaca tctgttggac aagaaagcat ctaccaaaaca tcagagcatt 360
 ctcaagagtc ctcttggcct actgagaaca tctctaagga cctctacatc gaagtctacc 420
 cagggaccta ttctgtcact gtgggctcca gtgccttatt caagaagacg cacgtggttg 480
 cagttgaccc cgggcaaagt gtggacttgg tcttcccctg gtgatgttga ccgtcactac 540
 caa 543

<210> 5688
 <211> 465
 <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> (397)..(397)
 <223> n is a, c, g, or t

<400> 5688
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 gatggatatt ctctgtgttc gggaggcaac caagtttgca gctgatcact gcagatctgg 120
 aaagggggccc atttgtgatgg agctgcagac ctaccgttat catggacaca gtatgagcga 180
 cccagggatc agttatcggt caccgagaaga agttcataac gtgagaagta agagtgatcc 240
 tataatgctg ctccgagaga gaattatcag caacaacctc agcaatattg aagaattgaa 300
 agaaattgat gcagatntga agaaagaggt ggaggacgca gctcagtttg ctacgactga 360
 tccagaacca gctgtggaag atatagccaa ttacctntac caccaagatc caccttttga 420
 agtccgtggg gcacataagt ggctcaagta taagtccac 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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 tcgttctggg tgcctatggg gctcttggca gccaacgggtg taagaactgg atagaggaga 120
 atgccccata tctcttggaa gacccaactc tgtgtgccat ggcggaaang cacaagcaaa 180
 ctccggccct aatttcctc cggtatctgc tgcagcgtgg gattgtcatt gtcaccaaga 240
 gtttcaatga gaagcggatc aaggagaacc tgaaggtctt tgagttccac ttgccagcag 300
 aggacatggc agttatagat aggctgaaca gaaactaccg atatgctact gctcgtatta 360
 tttctgtca cccaattat ccatttttgg atgaatatta acgcggaagc ctttgttgtg 420
 acatc 425

<210> 5690

<211> 183
 <212> DNA
 <213> Mus musculus

<400> 5690
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 catattgaga ttggctctga 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 gattggctct 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
 ggggaccac tttgcacat 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 caatttataaa atcagagaca ttgatgcagc aacggaagca 240
 aagcacagac ttgaagaaag acaaagagca gaagcccag 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 ccttgacctc caccaggttt 120
 tagangntnt ttatgccagc ctgcccttct agagaaagcg ccactaccct gcatgggtgg 180
 ggtcttgtgg cctgtggcac tttgtcctct tctgca 216

<210> 5694
 <211> 551
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (106)..(106)
 <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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<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

<400> 5694
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 cacttcccag ctctgaatgc agaggctagc aggaaactag gtttantggg tgcttagctt 120
 tgttggttca acctgagtgt tgagtanacc caaacatgt gaatacccaa accatgtggt 180
 cccatttttc taccacacgc atagtcaaac tcctagccca aagaaccgaa gccacttgag 240
 gtggggccct tggcagtgtg ggggtagaa gtcggcccac tgccctgacc tccaccaggt 300
 tttagangnt ntttatgcc aacctgccctt ctagagaaag cgccactacc ctgcatgggt 360
 ggggtcttgt ggcctgtggc actttgtcct cttctgcatg tctgaggcca ctgncaattg 420
 ctgcccattgt ccaganttgt cctatcccag ttttgaaagc cccttattta taacttttat 480
 actgtggcgc ctgtctctc cccggctgta cggggtggga ctgttttaac gtttcgtttg 540
 tacggatgta t 551

<210> 5695
 <211> 546
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (379)..(379)
 <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> (513)..(513)
 <223> n is a, c, g, or t

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 ggggtgggat gtcgctccga ggtcggggta tgataggtcg gggaagaggg ggctttggag 180
 gcagaggccg aggtcgtggc cgaggagag gtgccctcac tcgccctgta ttgaccaagg 240
 agcagctgga caaccaattg gatgcataca tgtcgaaaac taaaggacac ctggatgctg 300
 aattggatgc ctacatggca cagacagatc ctgaaaccaa tgattgaagc ctgcctgcct 360
 gccgcctgc ctgttagant cttgttaaag tcaccacatn tataaaacaa ccttgagaaa 420
 acatgagaag aaatctgac gatgctggaa ggacctgtca caataggctg tggacttacc 480
 tgccaccagt tgggtgcatth agtctgttct gtnactttt 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 atataaacia gtgaaacaag ttgccatggt cgaccgatgg ccagagacag 240

<210> 5697
 <211> 564
 <212> DNA
 <213> Mus musculus

<220>
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 <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

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<222> (308)..(308)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (323)..(326)
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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

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<222> (409)..(409)
<223> n is a, c, g, or t

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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

<220>
<221> misc_feature
<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>
 <221> misc_feature
 <222> (515)..(515)
 <223> n is a, c, g, or t

<400> 5697
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 agtttaaaaa aagtagtgga atgttttagat 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 cacctttctn tcttgctgga ttaggcatna ctcataagtt 420
 ccaggaaatn tccagcacta tccccacgnc cctcatnttn tacaanccat gacaaaggaa 480
 aaaggacaag gaatttctaac agtgaggaat gattntcata tgggaccaga atatcatgtg 540
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<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 gattttatntt attttatntt tttttaacca 240
 tgaagacaaa gcacggagta ctgttttagag 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 ggatgtttctc 120
 acccatcagg gtgccatggg actgagagag agtccgcctc cgcctagctg ccttcatttt 180
 gtgtggccag tgggtcatac acctgccgtc caccctcgg gcttctgtct tctactagact 240
 ctggctcctag cggcttcctt cgcaaggaca caaccacagt ggctcagagt tgcctctgtc 300
 tctgagccct ctgccccttc atggctcatc ctccctgtcc ctgtcaccag caggctgggg 360
 cttatgcttg gctgtgggcc tgggtgggatc cggggcacac attntcctag tgctgggtccc 420
 tcagcatatg tgtgaactga caggggacat tatggttgtc actgctggcc tgtgggcca 480
 tcncctcagg aggcagcccn tgtgcccttc tgggcagctc ttncctaagt caggagcttg 540
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tcattcttat agatcaagtg tccaatgtg cttggtggtt aaccaacatc tgagtgtcct 180
agcaagaaag tttccagaaa ccaaatttgt taaagccatc gtgaatagct gcattgaaca 240
ctaccatgac aactgtttac caacaatttt tgtttataaa aatgggtcaga tagaaggcaa 300
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ggacaaggat agtggcacca gggctggtgg tgtggagcag gaacaaaatg agccagttgc 180
tgagggcact gagagccagg agaatggaaa tcctgggggt aggcagatgc ccctccaggg 240
ctctaggttc gccagcatc gactgagga actggagtcc attttgcagc gcactaattc 300
ctttgatgtc ccaagggagg atcttgatag actgatggat gcctgtgtgt ccagagtgca 360
gaattggttt aagatcagga gggctgcggc cagaagaaac aggaggagg caacaccant 420
ccctgaacat tttagaggaa cattcgagtn tcctgctntg tcgtggagt agatggggag 480
aaagatgcc ttttgcgaca ccgagatttt gatttgatca catatgccgg ctatgacagc 540
ccttactttt caag 554

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accttcaggc aaagttatta atggaagaaa tattaatata aagaaagctt ttgagaaccg 180

tcaagaaaga gaagctgaag atgacagtga gttgatatcc tttcttgtaa atagtgtgnc 240

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<212> DNA

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 gctgcaagtc tggagattgg gagtaggagt ccaagtgaat tggctcagag agaggggtctc 240
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 acccctcttt nccanntcan ctganncaag ctntcctgct ctttgggtttg ggcagttgta 360
 tggatttcag ggctttntca cctggagaaa ggaagttgtg aaggattggg atgacttctg 420
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 gaagcttttc gggatgcctg caaaacacca gccagacttc atctacctgc ggcacgtgcc 180
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 gtcaggaaag tcatggatct ctgcttctcc aagcgtnagc taagctggct ggacgacctc 360
 atgcctgaga gcaaaaagaa gaagctggac gatgcgaaga agaaggagga ggaggagncc 420
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 aaggaaccag gatacattcg ggcncctca aaagagtcct ctgaagagga atatgactct 180
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<210> 5706
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 aagaggaaac accctcggcg ggcacaggac tccaccaaga aacctccaag tgccacacgt 180
 accagcaaga ccagcgccg ccgtcggatg actggaaaag ccaggcacia cggggagtga 240
 gccctcaaac ctgggggtcc cagcttgagt ccttggtgt cctgtgaacc cagctacacc 300
 gagggttacc tgcagcctaa gcctgaaaat caggactttg ccangccagg gtcatccttg 360
 ctttganccc agaaggaacg gacttctgag agcccgggtt cccggagcct ncagaaccgt 420

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461

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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 atcaggggagt tcttaattgc ttcattttatc 360
 cttnaaagga aataaaatat ctgaaaatgc atctaagttt aagaagtcaa gtaccaaaaa 420
 ttgcactgat atttctatac aggataaaat gtgtaagtga aaaaaaacta aaagtatata 480
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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 naagaacat cantcatntc	300
aggacaagac cntnttgant canccgctag tagagctntn tggggantaa aggaagacan	360
cntaggcctg gaatggntcc atnatcccn ccatgggcag ggccagagt acagcaccca	420
acggataccc aaggcaagag accntnttcc aatccaaggc caatcacagc cctaggaacc	480
aantnttcag gaccagcagg cantcccgt tntctggctat cacagaactt aagagccagc	540
taa	543

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 tggctatgcc acaaggtata ccatcatggc caaaaagtgc tacaaggact tcctggattt 180
 ggtggagcaa gccaagaggg ctgagctgaa gccatatgag caaacatacg atgtgagggc 240
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 tccagaattn tctgggccag ntcaaacc cccaagtgag gacccccaag ntcccaggcc 360
 ctgtggttgt gntcantgnt ccagccantc atgcagcagg aatgtgtatg gggagccacc 420
 atccttagca aaggcttttg ccgagagcta gagccctgca tcntccctag gagatgtaag 480
 cctcaaggga gcacagacac ctgttgtact tgcacaa 518

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 <212> DNA
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 <213> Mus musculus

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 gaacaagatt tctctagacc cagagcttaa aattggagga agcagatatg acctcacatc 240
 cttggtacca gggaatctgc agccagggac agagactgga aatcatgaag tggaagatnc 300
 tcantccctg gatnatcttg atnccttcac tcaggaaaca ctggacagaa tgaattntca 360
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<223> n is a, c, g, or t

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gaaaagctgc aaactgtaaa gaacttctga aaatgtactc gaagaatgtg gccctctcca 180
aatcaaggat cttttggacc tggctaataca agtatttgca aaactgacat cagatttctt 240
aatgtctgtc agaagacact aattccttaa atgaantact gctatTTTTT ttnaatcna 300
aacttttcat ttcagatttt ananaaggggt aactttttna ttgcattngc tgttgtttct 360
ataaatgact attgtaatnc cnacatgaca cagcttgtga atgtgtagtg tncgtcnttt 420
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<210> 5713
<211> 485
<212> DNA
<213> Mus musculus

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aaagcattgt ggaaccttaa cttttttgta cacactcttg tgggacgtgt catataaatg 180
tcagcactaa gtaatgtctt gtttgtggct gaatattttt cgtagatgtt tttgaagttg 240
acatgactta cgtgcattta aatatatatt gccatcctta gtttgtaatt aagatttgga 300
aaatggttgt ggatttctga gcatgtgcag actgggtctag ctagttcagg aactgggtgca 360
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<400> 5714

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ccctttttcc ttttaagagat ttcattgtgtg cacagagagg ccaccctttt caggactgtg    180
cattttcagg tttgtgatga taaaaagatc gaccaatggg agcttttcta tgacctttca    240
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<212> DNA
<213> Mus musculus

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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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 cctgccccaa tgagggttgc actgtgcagg tgctgcgagg ggtcctggat gaacaccgcc 180
 agcattgcca gcagaatgga cagcagcgct gccccttagg 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

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 ttcaataggg atagtttgcc cttacttaga caatctctcc ttgcattagt ctttgtcaca 180
 ccgacctgag ttgcaaattt ttatcattac ttttaattta aagtcttcaa cataactttg 240

ggcttttaaaa gttaaagttc ttacgctatg accgtttctca cattatttat agattcatca 300

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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
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 cttcatctct aaccacgcct actgagcaga ggtggcctaa nggcnnnccc tgnnagcacc 180
 ccaggtcctt gcctaccac ttgctcttga gaagaggtag cnttcaggct ntntcccatc 240
 aaccntctt gccaccctc acgantttgg tgtgtggtat tgtnctgtga atgntgactn 300
 tcatcccttc catcccgtg ccantcaaca actattttaa gggggaagga ggaagggccc 360

tttntnttga agatttgctg ggcgcggagg tggcaggtat cacattttta gggtatntct 420

gtaataccac tccagccatc ccatgtgttt tt 452

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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 ctncaggac 360
 cnnnacacnn ttggtntttt gtgaattgca tgaggatttg ctaatgttga tattcacttt 420
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 agttgtatac cccagcgcca tcgcatggc aggaatgccg tcccctcacc tgccctccga 180
 gcactcgagc gtgtccagca gcccgagacc cgggatgccc gtgatccaga gcacttacgg 240
 cgccaaggga gaggagcccc acatcaagga agagatccag gctgaggaca tcaacggaga 300
 gatttacgag gagtacgatg aggaggagga ggaccngat ntggattatg ggagtgacag 360
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 catctcacc ctcacatagga gagctggctc tgcagtgggg aggaaggcag ggacatggac 180
 aaaatacgat tgaattccta gccctcttgg gtgtgggtgtc cctgttngag gatgatgggg 240
 gtggggcaag ggtatgggtg ggagtgggga tgataggcct ggcataaagc cccctgagct 300
 gtagctgtcc tgttcacttc taagggccct gttttgaggt ttttaatttat ttaagctatg 360
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 gagggagctc tttttgtttt ttacattgac tttttttttc tacttttccc ttttacttcc 480
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<210> 5723
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 <212> DNA
 <213> Mus musculus

<400> 5723
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 tgtttagctg ccaggacaac actggcagag agaggctgag gcgctgggct gcagtagcag 180
 caggcaacag cctgatgcct gtgacagtgc cccaggaagg ttttcaggca gtgccttgct 240
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 <212> DNA
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 cagaaacaac tgcactggga gtcgcaatgg cagcgggagc ggcagaagga gttagcgtgt 180
 ggagtctgga tcctaaggat ttgtcaagtg tccagatgga gaagtttgaa cccagatca 240
 atgtcgagga aagtgaaggt cgttacgcca catggaagaa agctgtgctg aagtcaatgg 300

gttggggtttt gactcagtct cctgatggtc gcgaccctan ttttttcagc agcctgacnc 360
 tgggcttttta tntantgagt agtatgggtga tattaattgg agcaaggtac atgtaaggtn 420
 tcccataaat catgcntcct tgtggattcc ccaaggagag ntctttacct aatgaaagaa 480
 tccagcagtt gtttcaatgt aataccacta tttggantnt ggatttgttt atgtgccctt 540
 tgttgcatgt a 551

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 <212> DNA
 <213> Mus musculus

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 tcaaagagag ctggaatgag agaactaaaa cagcatcctc tcttcagtga agtggactgg 180
 gaaaatctgc agcatcagac tatgcctttc gtaccccaac cagacgacga aacagataca 240
 tcctattttg aagccagaaa taatgctcaa catctgacca tatctgggtt tagtctgtag 300
 cacatgcgtg tcatttttat ctaacttggtg atatagaatt aagttttaca gtaatatgct 360
 acttaatact agattgggtc aaatgggata aaagtcatta ttttaccag actgaacagc 420
 tttt 424

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 <212> DNA
 <213> Mus musculus

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 tatccctgcc ccaggacaca cacactcagt aacacgcaca cagcccttac actgggggtc 180
 gaccctcttc tgccatcataa gccctatcca cgaggcacat gcaggggttg gcaaggggtc 240
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 ccttcctacc caggggtgac agggacagtg ctgcaagact tttcagtcac caaatactct 360
 ttccctcaggc agcttggttc cctgtccctc tcaatgcccc tcaactgcct caagccagca 420
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 tgatgagtgt gacgtagagg tttgtgatga aaaagaggag agcgaggagg aggaggagga 180
 ggaagtggac agaggggtcag aggatgaaga tgtggatgag gaggaagttg aagcggctgg 240
 caatggggag gaaggggaag aggaccaaga agaggagtat atgttggaag agacggggct 300
 ggaggaggga gaacagagag cggaaganaa attcttgcct ctgggaatgc ctttntcaat 360
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 ntcacagga agggaaactga gaaacgaaat ggaaccgatt tgaggctaatt atggattaac 540
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 gcatcacgta tttatttcaa ggtgactcag aacaatcctt cggcttctgt agccgtttct 180
 ctccattttt aagatcacac aggagacgag gtcagctttc caaaaccact ctgtttccgt 240
 cacttgcggt aggccggctt caaagccatc atgaaacctt gaaagtgtg gagctgagta 300
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<210> 5729
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 tcatacagtc agactgcac ctggcacagg tacaagctgt ccgcctcctg agttacctgg 180
 cacagaagaa cgaccttctt tatgacattc tcaactgtca ggtgctgcc aacttcctga 240
 acctcttcca gtcttcacag ccgggcagtc tgctgttcga ggtgctggtg tttgcggaac 300
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<210> 5730
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<213> Mus musculus

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<223> n is a, c, g, or t

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gatgctgggc tcagcctgcg cggccctgct tgaacacttt atctaggagg gggcggcaag 240

gatgtgggta ctgtgtgagt ntgtgaggct tgggtccntt aggagatgga cagggttaanc 300

caaggtctcg aggtgttaag caaggggttg acattttgtt tgatgcagag cagagcccac 360

tcagactncc tttctctcag actgcttgctg anccacatcc ttgcacatct tgggcaagga 420

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 actcgggcct ttnttctttc tccatntctt gcggcggttg ggcggcaggc aantacaagt 420
 cggtnntcaac ntccaccgaa ataattaatg gcaaaaaaat caccaccaag agaatanntn 480
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 <211> 418
 <212> DNA
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 <223> n is a, c, g, or t

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 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
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<210> 5733
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 <212> DNA

<213> Mus musculus

<220>

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<222> (288)..(288)

<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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<222> (364)..(365)

<223> n is a, c, g, or t

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<222> (401)..(401)

<223> n is a, c, g, or t

<400> 5733

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ctactgtgtg acttgttatg atgccttggt taccaagcat tgtatgaaat gcaaaaagcc 240

catcacatct ggaggagtca gttaccagga tcagccctgg catagtgnag tgnntttgtat 300

ntntttcctg ctctaaggag ctgagtggan agcgtttcac tnctatggat gaccagtatt 360

tttnntgtgg attgctacaa gaactatata gccagaagat ntgctgggtg caagaacccc 420

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473

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<223> n is a, c, g, or t

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<222> (430)..(430)
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 aaaactaacc ctcctataat tctttaaatt aatgatattt ttgtttaata gtgaaatagt 180
 ttgagtttga aacttgcattg acaatatctg agtatcctca gacatacatg cagtttagag 240
 attcatcctg taaaagtgac aaactaaatg ggtggccaag aaatgcaaag ctatcntcaa 300
 cattaatnnn acatntncaa gtcaagactt gaatccnttg taactgttgt ntgcccntgg 360
 tgcatatatt caagaaagct gcgaagttcc ttaggatttt aggacgtttc cttagagggc 420
 tagctggatn tctggggata tgggttggct acaatccttc ataagtcac cttaggtacc 480
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 cata 544

<210> 5735
 <211> 515
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

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 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

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 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
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 gacgcagaag tggcccactg gttcctgccc agggagcaca tcattgacac gtttgtagt 120
 gagaacccca gtgggaagct gactgacttc ctgagcttct acactctccc ctccacggtt 180
 atgcaccacc cagctcaca aagcctcaag gctgcctatt ctttctacaa cattcacaca 240
 gagacacccc tgctggacct catgaatgat gcgctcatta tagccaaatt gaaaggattt 300
 gatgtgttca atgcactaga ttgatggaa aataagacct tcttgaaaa actaaagttt 360
 ggtataggag atggcaactt acagtattat ttgtacaact ggaggtgtcc agggacagac 420
 tctgaaaagg ttggacttgt tctacagtag atgaagatgt tatttctaga aggcaacatt 480
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<210> 5738

<211> 532
 <212> DNA
 <213> Mus musculus

<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ccaa atccaa atgtaacagg aatacantaa gaagaaacca cagcgagagg aaacnagggn 180
 aaacctcccc aagccttact tcncagataa agggtaactt agaaaacaat acaccgtgaa 240
 gtgaccccg gaggcatttc ctgggtgttg ttcctagaat gagtttaact aacncatata 300
 ttttctttac cacaggggga aaaatggagn caatctagac gattttgtaa ccttaggttg 360

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taatntggct tgaaaattag tacatcttta aaagttacca ctgatatttg agttcattat 420
tttgttaaaa aaattgcttt taaagtactt atgttacagg aanccatcct gaaatggaac 480
cgggtctaaaa aaaaataatt gtggtgtgtg gttgcagctg tacctgaaat aa 532

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<210> 5739
<211> 389
<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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<220>
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<223> n is a, c, g, or t

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gccggtgtgc tggaacaggc tatccctgtg cggcagcagg ccgcgctaga aaatgctact 180
aagaagagag aacgagccac cagtgcctg aggactntag agcaaaaaca ggagaagaaa 240
cgactaaaaa gtcceaagaa agccaaggac cctgatcccc cagggaaaga cttcagtcctc 300
tatgactaca gccagtcaga cttcagggcc tttgctgggg acagtaaata caanccttcc 360
tcccagttcg accccaataa gctggcacc 389

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<210> 5740
<211> 489
<212> DNA
<213> Mus musculus

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<220>
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<222> (385)..(385)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 5740

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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 ggcnaagcg 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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ttgatcctat agctaaaacg aaaaggacag ttaaatatga tgtgcaggct atggctgtca	180
ttgtggttgt gttgaagctg ctgtttttgc tggatgacaa gctggaatgg tcttactcag	240
atcttgctga agcgtacaac gaacaacaca gagaagacac gccccagttt gatttcagaa	300
a	301

<210> 5742
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 5742	
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tgaggctggt agaagcgcct ttttgcctca gctccgtggt tcctggtggt tgcctatggt	180
tcaggcctgt acttaggcta ggtttagaaa ccagccca	218

<210> 5743
 <211> 538
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tgtgagcact gctgagggca cagaagagaa cttttctgag accagtgtgg ctggattcat 240
 tgttgtgacc agtgtggatg tggaacacca agtgtttact gtcctgtctc cagccccncn 300
 cgncccatg cctaagaact ntctntnctc atcatggata tccggttcat ggatctcaag 360
 tagtaattgc aagaagcctc actttctggg ccatagagtt ctgggtcatca 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>
 <221> misc_feature
 <222> (354)..(354)
 <223> n is a, c, g, or t

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 ctttccatgt cagctatctg gatattgagg aactgagcct gagtgggctc tgccagtgcc 180
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 cagcccgagg tgatgctgct caccgcgccc tacagtacct caggatcatg gcgggtagca 300
 agtagcatcc cactgcagtg atggatatgc atcttttact tcttgctcct tctngcccct 360
 ggggccatgt atccacctag ctctggta 388

<210> 5745
 <211> 401
 <212> DNA
 <213> Mus musculus

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 <222> (318)..(318)
 <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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 <223> n is a, c, g, or t

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 gtacaaaggt gcgggggttg gtatttcttc acacactctt gactttttgtg tcaggtctcg 180
 gggggttgcta gtagaagcct gaaggatcatc tacagaatat tctaaaggga gaaaatgaag 240

tcaacattaa gatcttccaa cttaatttcc cctcagattg gtcttaggca ttttaatagc	300
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<210> 5746
 <211> 545
 <212> DNA
 <213> Mus musculus

<400> 5746	
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ccagcccggg gataggaggt tggggtggcg gaaataactt ccgggggtgcc ctgggcgggg	180
ggccgcggcc gccctccccg cgggacgggt acgggagtc gcaccacact ccgccctgcg	240
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gggcccgtt cgggtctccg tccccgggcg gctaccagg ctcctactcc aggtcccccg	360
cggggtccca gcatcagttc ggctactccc cagggcagca gcagacctac ccccagggtt	420
ctccaaggac atctacacca tttggatcag ggcgtggtag agaaaaaaga atgtctaattg	480
agtttgaaag ttattttaag ccttcaatgc ttgaagacct ttgggctggc ctagaaccag	540
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<210> 5747
 <211> 194
 <212> DNA
 <213> Mus musculus

<400> 5747	
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ttgagcatgt gactagcgag attggagcag aggaggcgga ggaagtcgga gtggagcact	180
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<210> 5748
 <211> 501
 <212> DNA
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 aatagtgaga tgccatgaac acatggaaat ccttacagtc aacggagaat tactgttttt 180
 caggcagaga aaaggacctt tttatccaac gctaagacta cttcacaat acccgtttat 240
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 cgtggcggtc atggcagagg ggaaagagca tgccctgtgt gtcggagtca tgaagatggc 420
 tgcagcagac attgagaaaa tcaacaaggg gatcggcatt gagaatatcc attatntaaa 480
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<210> 5749
 <211> 573
 <212> DNA
 <213> Mus musculus

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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

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 <223> n is a, c, g, or t

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 catagaaagg aaaggcggtc caaatccacc cactaattcc aagcaacaga ggaacatgga 180
 agcacccaat ggggacaagg taactggtgt catttaagat gaagtaggtg gactggggac 240
 aactacatc 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 ttactgtgg ggcaacagcc tcagatgccc 120
 atcaccacag gaacaggtgt tgtgtatcct ggtgctatta ctatggcaac gaccacacca 180
 tcacctcaga tgacatctga ctgctctagc acctctgccg gccccgagcc cagcctcctt 240
 gtcattcaga gcacgtatgg tatgaagatg gacggcgcaa gcctggctgg gaacgacatg 300

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attaatggag aggatgaaat ggaagcctat gacgactacg aagatgatcc caaatcagac   360
tatagcagcg agaatgaggc cccagagcct gtcagtgcc aactgaggagc ttttgtttgc   420
tgaattaaaa cactctgaca tttcgctccc tttcccccaa caacaacaac aaagttctta   480
aagagcccg atgcatttgt ggctccacaa tacatcagca gaatgggtctt aattgcttcg   540
taacgtgtga gacagattac gttttcctga t                                   571

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<210> 5751
<211> 519
<212> DNA
<213> Mus musculus

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<220>
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<222> (240)..(240)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (254)..(254)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <222> (331)..(331)
 <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> (385)..(385)
 <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

<220>
 <221> misc_feature
 <222> (489)..(489)
 <223> n is a, c, g, or t

<400> 5751
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 cgcacctatg ccgattacgg gtccgttgac gaatgcatgg aaggcatctg taagatgtac 120
 gaagagcacc tgaagagggtt gaacccccgg agcaagtcca tcacctatgg cgtcagtcag 180
 ctgtttgagt ttatcgaccg gatggttagac ctcacctgca tgggtgttcct cgaagacacn 240
 cagacgtaca antntcaciaa ccgagagtgg gtnaaagaga ggatntacat gcttntcant 300
 cagcaggcac agctggaggg ctcggantga ncttntagga gcttccggaa gagctggggc 360
 tggctggggc cacaggaac 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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gtctaaatcc ccagttgaca gctctgttct ggaaggagtg aaggagttgt acctggaagc      60
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 cagccagggt tcatccgctc      300
cagatacaac ctg                                                              313

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<210> 5753
<211> 533
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (505)..(505)
<223> n is a, c, g, or t

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<400> 5753
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tagtcagac ctctgaggat aagaccatca gattatggga cagtcggggg cttcnagatg      120
gctcacatgt ttcccacaaa acagcatatc cagacccatt gtgaagtcag cgtggatgga      180
cacacgtgta tttcctgcag cagtggcttt ggggggtgaag gctgtgaagc cacgttgttg      240

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gacctaagac agactagaga cagaatgtgt gagtataagg ggcatttcca gacagttgca 300
 tcctgtgtct ttctaccgaa gtccacggcc ttgatgccta tgattgctac ctctgcacat 360
 gactccaagg tgaagatttg gaaccaggat actggagctt gcctntccac cttgtntntg 420
 gatggatcag gacccttgac ctactggct gttggtgaca tntcctcctt gttatgcgca 480
 agtttctaca gaggagttca cttantcaga gtggaccaca gccaaggact gga 533

<210> 5754
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (361)..(361)
 <223> n is a, c, g, or t

<400> 5754
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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 tactgacat aattttattt aatagttttt agtttttgaa agcctgtggt 420
 ttctttgctt ttaaactaca ggcgacca 448

<210> 5755
 <211> 164
 <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> (102)..(102)
 <223> n is a, c, g, or t

<400> 5755
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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
 ctgtgatcca agacatgggc gctacttgac tgtggctgcc gtgttcaggg gccgcatgtc 60
 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>
 <221> misc_feature
 <222> (36)..(36)
 <223> n is a, c, g, or t

<400> 5757
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 cctcttttcta ggtgacaaat cgatgtctct ttttattgtt ccaaagcttt agtgatgtaa 120
 gaata 125

<210> 5758
 <211> 325
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (224)..(224)
 <223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 5758
acctcctcga cgtgctagag ttttaaccagg tggatgatctt tgtcaagtct gtgcaacgct      60
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

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<210> 5759
<211> 494
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

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<400> 5759
tagagcccgt ggttgtggac ctgactcaca atgactctgt tgtgattggt gaagaaagga      60
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

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atgtggccac gtcttctgta gccagtgcct ccnggattcc cttaagaatg ctaacacttg 360
cccaacttgt agggaaaaga tcaaccataa gcggtaccac cccatttata tatgaaatgt 420
tcacaactgn tcaggataga ccaatggaca gacagccagg ctggcctttt ctgcatggta 480
tctgcctcca gttt 494

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<210> 5760
<211> 420
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

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<400> 5760
ctaggaggcc aaacagagtc tgcaagcaaa acccatgagc ccttgaccct gtcctccgg 60
acactttgta ccagcccctt tgtcctccga cccgttaagc tttcttttgc acttgaaagg 120
agaccactg atatttcccc acgagaancc gtcccggtg 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

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<210> 5761
<211> 493
<212> DNA
<213> Mus musculus

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<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 gcgcgggtttt 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
 tcatcgagca gtgcttgggt ctgtggaaag gctgttggga gtgctggcag aaagctgtgg 60
 ggggaaatgg cccctgtggc tgtccccgct ccaggtggtg gtcatccctg tgaggacaga 120
 gcaagaggaa tatgccaggc aggtgcaaca gtgcctgcag gctgcaggac ttgtgagtga 180
 tctcgatgca gactctggac tgacnctcag ccggagagtc cgccggggcc 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

<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> (369)..(369)
 <223> n is a, c, g, or t

<400> 5763
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 gttaacactt ggattttacat gatcttttgt gtttgctttt taaaataaag tgcttgtatt 120
 tgtattctcc atattctgga gtaattatct acttgatgtt tatagggtctg gctttttcac 180
 ccaagaaaca atctcattca gtatatttag ttttataata gtcatgaagc caaatctctg 240

cgctgtatca gaggcacaaa gtctagnaat atgtatatcc acaatggtgt atatattgtg 300
 ccnntgnata anttntggaa agtgtnctca gaaaacctgg cnatnccct 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
 gagccttaga ctttactgat tctcaagaaa atgaagaaaa aacttctgaa tatagaggat 60
 ctgagattga ccaagttgtt cctgctgcac agtcctcccc agtaagctgc gagaagagag 120
 agaacttggt accatttgtg ggattgaata accttggcaa cacttggttat 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 tcttaaattc agagaaatat acagatgaac 420
 ttgctacaca nccaaggcga ctgctgaaca cactcagga 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 ttgcttcag tggagagaat tgtaggagag 120
 gataaatact tctgtgaaaa ttgccatcat tatacggaag cagagcgaag tctcctgttt 180
 gataaaatgc ctgaagttat cactattcat ctgaagtgtc ttgctgctag tggcttgagg 240
 ttgactgtt acggtgggtg actttccaag atcaacactc ctttattgac acctcttaaa 300
 ctgtcactag aagaatggag cacaagccg 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 cagggtcccc 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

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gaacacgcct ggagctgtcc tgtgattcat tgccccctc cattactgct ctgagcccat 360
tcatgtcagc accatctgtc taaaatcact acccaggaat gctttttaac gtcatgatca 420
catctagatg aggtcactct gccagcctga ggcttttaggt ctgcagagga aggaagcctt 480
ttctctgcag aa 492

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<210> 5768
<211> 92
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

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<400> 5768
tcccttccaa gtgagatccc tattgcttgt gcttcantnt ccaccnaact gantcttgac 60
tggatagctt tgggagttcc tcatttccac ct 92

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<210> 5769
<211> 336
<212> DNA
<213> Mus musculus

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<400> 5769
tgtgcatctc attgttgctg tcattaactg tggggatgga tgcattgagag actgctgtgg 60
gggtgcttgct ccagtccctc cctgtcaatt ccaacttcct gttgtcttta tcacagcttt 120
tttcccatgg tattctcaga ttagtcacgc gcaagcagta gagtgggacg gtttccccgc 180
tgatacctga gcagccccct tgtcctccca gcacactcac tgtcagtatt aaggcacagc 240
agcctgttaa taagctagcc ctgcctcaga gtgcacatgt ggggacctgc cagtggctct 300

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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 ggtgggtctgg 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
 gattctggca aagatgtagg tgcgaaaaac tacaggcatc tctgtgctgt ttattacaac 60
 aagactcccg ggtttgagat catccatggc ttgctggaca gaattatgca gctgctcgat 120
 gtgcctcctg gtgaggaaag cgggggctac atgatcaaag cgtctgcagg ttinctgcctt 180
 tttnccttgg acggtgtgct gagatctttg ttggagggtca aagcattggg aagctaggcg 240
 tccttcatcc tgatg 255

<210> 5772
 <211> 483
 <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> (285)..(285)

<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> (447)..(447)

<223> n is a, c, g, or t

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<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 ttccagagtg tctaggacat tcagtctaac tagtactaca 180

aaacgcaaaa gtgagctccc caggccaatg agggatgtca ggtactttgg tcacagccac 240

cttttcatct cctgactgag cctggccttc tgagaggatt gcccntaggt aggtatattg 300

gaggtcctgc ttcatgcatt ctggcccat agagtcatca gggtttgctt tgaccacatg 360

ttcatttctca tgctataccc aaatactntg ggataaagga ggtgtttggc aggctgacct 420

gaaaaactcc cattccatcc acctctntcc taagcccntt agttcccttg ctgctacatg 480

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<210> 5773

<211> 318

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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gtgaccttgg ctgtcttggg acccactata tagaccaggc tcgccttgta cttaggacat      180
ccttctgctc tgtnttccca gtgttgggat tactggtatg tacacaccct tacgatgtat      240
ctgaatggca tctgtcactc ttagtttctg gcaacctcaa gaatctttcc tgggggaaag      300
gacttctgtc catccctg                                     318

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<210> 5774
<211> 271
<212> DNA
<213> Mus musculus

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<400> 5774
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cctcattcca ggacataatg caaaacattg acctgggtgat ctccttcttt agctcaagac      120
ttctacaagc tggagctgag ctgtcggtgg aaagggctct ggaaatcatt aaacaagggg      180
ttgtggcgct gcccaaagac agactaaaga agtttccaga actgaagttc aaatacgtgg      240
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<210> 5775
<211> 516
<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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 tcagtaatga gaagatcctc tcccttgtgc actggggcat gtacagtggc catggaaagc 180
 tggaattcat atgacagtca tgtctgaact ataaatggaa cccttgaagg ccttctgagt 240
 tctgctgaca ggagcacttt tatctggaga caactaactc gcttantcnt ctnggagann 300
 annnaantga cctctgaaaa gagaatnttg ggtatttntc 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

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<223> 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> (352)..(352)
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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> (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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 <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 ggtggagggtg gcagtggagc 240
 agaaaaatct tcaggtccct ggaataaaac cgctccggta caagcgcctc ntnttccagt 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>
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 <222> (75)..(75)
 <223> n is a, c, g, or t

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 gtctgacact tacancgctg agaaagtgga aatgcatacgc ctcatcaggg accgttttga 120
 gggagccatc cgcctccaag agcaggacct ggagaagtca agactagtcc t 171

<210> 5778
 <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

<400> 5778
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 aagattaatg cagaaaagtc atcgaaacag aaggtggatc tacagtcctt gccacccgt 120
 gcctacctgg accagacagt tgtgcctatc ttattacagg gacttgctgt gcttgccaag 180
 gaaagaccac caaatcccat cgagttccta gcatcttata ttttaaaaaa caaggcgag 240
 tttgaagatc gaaattgatt tcttggaag agaagaaaca tttggttgct actgtagatt 300
 tacatgatta cgaggcagct ttaattgcca tgattcccct cccantntg gacggctaag 360
 aaccttcagg accacagacc tcacttctgg agttgcaga 399

<210> 5779
 <211> 358
 <212> DNA
 <213> Mus musculus

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 <222> (266)..(266)
 <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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 aaaactgact tgacaggaac aattatccta tgcaccatga caagatgccc tgagctgaca 120
 agtttcaagc tgactgctat tggttgtgag aggtggcctg ggtgttttct gcacacgtgg 180
 gagccgtgag cacaccctt tccttgagtc agctgtttca tggatgtcct cagcagacat 240
 gggtaagcaa agggaagcct ttgcancct ccagctcact atacaaggct ttcctnggct 300
 agactttnat gtacaacctt gtacagtttt ttgacatac acttcagatt cttgttta 358

<210> 5780
 <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

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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> (467)..(469)

<223> n is a, c, g, or t

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agtggctgga gaagggcttc aggggtgagac 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

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<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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gccaaaaaga gtagcagtc tttctgtagt gcaatttctt gaggtatatg tgtgaacaca 120
 catgcttgct tgacctgttg agtttttctc cagtctccca accctgtgct cattaggccc 180
 agtctgttcc ctgtagatga caaccacata gagaggctgt ctggtgggct gggccattcc 240
 tgtcatggag tcagcnaact ttgcacatct acaagttatc tgtgtaatca cgtccacaat 300
 gaggtctctc 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 ctccttcac ctcctgtgcg 120
 tctggagtga gcctggtccc ctagccaccc cctagccttg gtgtcttgag ccaattctga 180
 gatgtggtct gtgtcctgga cctgctgagc ctagagagat tgcctatgt atgtctgaga 240
 tcctggagaa acctaaccga acttccaggg caggggtgt 278

<210> 5784
 <211> 378
 <212> DNA
 <213> Mus musculus

<400> 5784
 gagattgaca ctttcatcaa gctgaacaag gcattccaag ctgaggagtc tcccgcggtc 60

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atctactgta tcagcatgca ctggttccga gagtgggagg ctttcgtcaa ggggaaggac 120
agtgagcctc ccgggcccac cgacaacagc aggattgccc aggtcaaagg cagtggccat 180
atccagctaa agcagggggc tgactgtggc cagatttcgg aggagacctg gacctatctg 240
agcagtctgt atggggggcg ccctgagatt gccatccggc agagtgtggc ccagctccca 300
gaccagaaaa gcttgacagg agagcagaag attgaggctg agaccgggc tctgtgactt 360
gggccatgct gagttgct 378

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<210> 5785
<211> 331
<212> DNA
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<220>
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<223> n is a, c, g, or t

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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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<220>
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<223> n is a, c, g, or t

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aggagcagca ggggcgcac caggaaaaga atgctgagct gtataaactg tcttcccaac 180
aattccatga ggcggcttca aaagcagaga gcacaataaa gccccgcaga gtggagcctg 240
tgtgnctctg gcctacaagc ccnagatcct ccgctgttac cgggaccatn ctgcatgaag 300
tgcttctgtg ctcggacctg gtcaaggcat a 331

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<210> 5786
<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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 atttcataaa cagcatggca gatacccagg agtatctaac tatcaagttg aagaagatat 180
 aggggaagttg aagtcctgtc ttactggctt ccttcaggaa tatgggctgt ctgtaatggt 240
 gaaagacgat tatgtccatg aattttgccg gtacggagct gctgagccac acaccattgc 300
 tgcgttcctg ggaggagnct gctgnctcaa gaagttatca aaataatcac caaacaattn 360
 cgtaattttt aataatactt atatttatag tggatatgtca caaacttctg caactttcca 420
 gttgtagaat aagcaccatg tgtaatatgt taatggttgg aactgtaatt ntcttcatat 480
 tgtgctttgg tttgta 496

<210> 5787
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 <212> DNA
 <213> Mus musculus

<220>
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 <222> (111)..(111)
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 accgagagac agctgagtct tagtgcaatg cctgtgttga ccgcaccaca nctcatcagt 120

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ctgtatatct gtgacgaaaa cagaagagcc aatgagtatg atttcaagaa agccttggac   180
ttactggagt acattgatga ggaagaagat gtgagcattg atgacctgaa gctggagatt   240
ctgtgcagag cactgcagag agatgactgg tctggttcag atggcaaaga tgatccaatc   300
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<210> 5788
<211> 570
<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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<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> (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

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 gcactaattg actgcttcct nggacagcta cgtttcccag ctgaagtcgc tagagaaatc 180
 cagtgaacaa ngaacgatac agcagtctgg aagtggagta cctgcagaaa angatccgag 240
 ctgctctcgc cccttctcac actaggtcag tacccatggg cagcttctctt ggcagagaag 300
 tattngnact ttgatatacct gggttcagatg tgtgaacaga cagacaacca ancccgactc 360

cagcgctaca tgacccagtn tntcgaccag aatttttcag attttntctt tngttggtac 420
 ctggnnaaag gaaagcgggg aaaattnctn tctcancca tttctcagca tggacagttg 480
 ncaaattttt tgcaagccca tgagcatctc agctgggttac atgaaattaa tagtcaggag 540
 ttagagaagg ctcatacaac actgctaggt 570

<210> 5789
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 5789
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 attcaaagaa accaatgata aggcagagct tgatcgacag tggaagaaaa taagtgcaat 120
 cattgagaag aggaagagga tggaagcaga tggggctcga gtgaaaagac caaagtacta 180
 atctctagtt cc 192

<210> 5790
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 5790
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 atggatgaca tggctgtaga tagtgatgaa gaggtagatt atagcaaaat ggaccagggg 120
 aacaagaagg gtcccttagg ccgctgggac ttcgatactc aggaggaata cagcgagtac 180
 atgaacaaca ag 192

<210> 5791
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
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 <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

<400> 5791
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ggtacttaaa atatgcagta gaattaatgt cttactaaag tgccacaatt attttttaag 180
tagctcagta caaattaatt taagtaaaaa acgttttaga atttcaaata tcctnaaata 240
ggaaatactt gaacgtttta atgagaaatt tctatggttg aaattcatag nctttcacta 300
taggaaatgt taagaaaaat ttaaacagtt taagattata taatTTTTTT ttcttttcta 360
tattgaggtg gccaccatac taatattcta 390

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<210> 5792
<211> 131
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

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<400> 5792
accgaagtca ctcgtacaag cgcagccttc actcgtcccg gggctccgca ggctgctctc 60
ctccacggaa gcggacctcc cggacctccn gggacaagtg cgaccacagg cccagcaggc 120
gatgagacag c 131

```

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<210> 5793
<211> 349
<212> DNA
<213> Mus musculus

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<400> 5793
ggctatatct aagcccgtct gcacatctaa acttagatgg agttgggtcca atgaggggaac 60
atctgggtta tgcctttttt aaagtagctt ttaggaactg tcagcatggt gttgttgaag 120
tgtggagctg taactctgcg tggactgtgg acagtcaaca atatgtactt aaaagttgca 180
ctattgcaaa acgggtgttt tatccaggta ctcggacact atttttttgt actgctggta 240
ttgtaccagg aacattttct ttattgttta cttgcttttt aaactttggt tagccactta 300
aagaaaacct gctcatggca caacttgctt caaatccatt ccaagttgt 349

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<210> 5794
<211> 428
<212> DNA
<213> Mus musculus

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<220>
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 <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 gtcattgctca 120
 tggcatgagg tgtttgggca tcccaaacac tgcccacttt gcaaattgtga 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

<220>
 <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
 tgcaggccga gaagttgacc tcctcctctg aaaaagctct agctaaccag ttcctggctc 60

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ctggccgcgt gccaccaca gccaggagc ggggtgcctgc 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 ctggcccgcg 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

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<210> 5796
<211> 502
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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<400> 5796
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ctggctacca atccagagac attccagggc taggacagcc cgccctctgc agatgggatg 120
gatgtgagtg agtagatttc gtggctgcag atgtgactgt agggatggag gcgagcgaca 180
ctgggtctca ccaagcagcc cagggctggcc tcatggaacc ctgagcctca ggtgactcta 240
caagcctttg agttgctccc atcttcagcc cccaccctgc cccacactt caggctcctg 300
tcttctctgg tgacggttcc tgacatccag gcaaggaata gctgtgggac ctcctgtntc 360
ctcagccacc tcaccagcac cttgcccttg ggacctagac tttctgtcct tcccagtntc 420
ctagtgttg tggtcgaggc tactggccac ccaggctccc tggctgggct cggctgggga 480
acaccatttt cttggtttgc ct 502

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<210> 5797

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<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

<220>
<221> misc_feature
<222> (349)..(349)
<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)..(369)
<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)..(376)
<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> (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> 5797
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 cagctgaggc agctggggct gccactgcc ctcaagaaag gtgtggtgac cctgctgtct 120
 gactatgaag tatgcaaaga ggggtgangtg ctgaccccag agcaggcccg tatlctgaag 180
 ctgtttgggt atgagatggc tgaattcaaa gtgatcatca aatacatgtg ggacgcccag 240
 tcagggacga ttccagcaga tggacgatga cctgcctgag agcgcgccctg agtctgaggg 300
 agagtctgag gaggaggatg acagctgant ntgagagcca ggactatgnc cttccagcga 360
 gtntntnnna tntntntgct ggacacccca cccacctca ccctgcccc ggactgctnt 420
 caccantnta gaggggaacag ctatttatatt 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 tgctggtggt gctgatgtta caatccgaca 180
 gtcctacaga ctgatctacc ctggtgctcc ggatctcttc cttcagact tcaagtttga 240
 caccacagtg 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

<400> 5799
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 ttggacatca cantgaccca ggccctgcag caccgctcgc agtatatttga ggggtgtggtg 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

<220>
 <221> misc_feature
 <222> (175)..(175)
 <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> (191)..(191)
 <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> (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 ntcataaaca ctgncncaa 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
 cccaatccg agggcttctg actccagaat ctgatgtctc tatcgcacat gttctggctg 180

cccgagctga cctttccgc ctggtcccag ctaccagtgt ggctgcccga cgagggacca 240
 gttgtgcaat caacaagggtg 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 ctgcgcaaac tgcaggcaca agtgcgcat t ggtgggaaag 120
 gaactgctcg taggaagaag aagggtggttc acagaacggc cacagcagac gataagaaac 180
 tgcagttctc cttaaagaag ttaggggtga acaacatctc tggatttgaa gaggtgaaca 240
 tgtttacaaa ccaaggaaca gtgatccatt ttaacaaccc taaagttcag gcatccctgg 300
 cagcaaacac cttcaccatt acaggccacg ctgagacaaa gcagctgaca gaaatgcttc 360
 ccagcatcct caaccagctt ggtgcagaca gcctgactag ttaaggaga ctggctgaag 420
 ctctgcccaa acaatctgtg 440

<210> 5803
 <211> 545
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (481)..(481)
 <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

<400> 5803
 gatatggttc cggaacttcc agattataga agaagacgct gctctagtgg aaataggacc 60

tcgttttgtt ttaaattctca taaagatttt tcaggaagc tttggaggac caaccttata	120
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 aaaaaacnln gaaatcttta agtcggtgtt	540
ggtct	545

<210> 5804
 <211> 419
 <212> DNA
 <213> Mus musculus

<400> 5804	
agtcccagca ggcaggcttg ctgaagtcac gcagcattga gagctgctct gaggagccag	60
cacctggcag aagggtgag ggtgtggccc aaaccctcta accagtgagg ccaaagcctg	120
gtcctcacgc gcatccctgt ccaggccgct gtgaagggtgc aggccttgat ggggtgcgag	180
ggtggcccct gtgagggtgc acagggtggg ttgttgaaat gttgctgaac tctttcctac	240
acgtttcata attaggaagg gaaggaaggg gtgggcgtga gagcactggt gttcgtacac	300
tcagcaggaa gctgctgtct ggctctgctg atccagaacg gcactgcctc aagaggggtgt	360
ctgtgttgcc tcggtggccc ctcttcagcc ctgtgattgc agttagcttg atttccttt	419

<210> 5805
 <211> 283
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (69)..(69)
 <223> n is a, c, g, or t

<400> 5805	
tccctcgtgg aaagtggctg cccggcctcc atcgtcaacg agctgattga aaatgcccat	60
gaacgcagnt ggccccaggg tctggccaca ctagagacaa gacagatgaa ccggcgctac	120

tatgagaact acgtggccaa gcgcatccct ggcaagcagg ctgtagtggt gatggcctgt	180
gagaaccagc acatggggga cgacatggtg caggagccag ggctcgtcat gatatttgcg	240
catggtgtgg aggagatata agagcgtaac tggctgtcag gaa	283

<210> 5806
 <211> 551
 <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> (181)..(181)
 <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> (304)..(304)
 <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> (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> (375)..(377)
 <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

<220>
 <221> misc_feature
 <222> (474)..(474)
 <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> (506)..(506)
 <223> n is a, c, g, or t

<400> 5806
 agctcttctt ttcaggtttc ctgttcttct cccatagacc canatttgat ctgtccctcc 60
 aggcttctcc ctaacctcgt ttctttctta cctgaggccc ttgcttcaga attgggcagt 120
 ggactatccg gcctagaatt ttacccttgg ggtccatttt aatgcaggcc aggcatttcc 180
 nccttctctg gggaggagaa cagggatgtc agagtggaga ctagcctctg gcatgctctg 240
 gagtgggcga tgtagtgatt tgaataagaa tntcccccac aggctgacat atttgaagat 300
 ttgntctcca gttggtagn ctgtttgggg aggttttgaa ggtttgacct tgatggagga 360
 agtacntcag tgnngnncag gctttaagat tttaaaacct cgaaccactc ccaattcact 420
 ctttntgcgt tctgtttacg aggaaggctg tgagctntca gcttcctgct ctgnccacca 480
 tncctgctgg catccacatc tccctncctc ccacatgat ggacttttat tcctctggaa 540
 ccctaagcca a 551

<210> 5807
 <211> 225
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (101)..(101)
 <223> n is a, c, g, or t

<400> 5807
 ggatgccaa gacagacac aagaccctg cgtcccagac tccgtccctg gctgtgatgc 60

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agctgcagct gagccatccc ggtgaaggag tcttcacaca ntgaattggt accatccgtt    120
gttgagatc aaacctagaa tgtccttagc cagggacctg gaaatgagtg gtggccacag    180
tctgttagga gtcgcttttg cagagtggat acatgtttct gctgt                    225

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<210> 5808
<211> 215
<212> DNA
<213> Mus musculus

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<400> 5808
cacctcaagt ccaagctggt agatgaggag cccagctca ccaagaggac ccacaatgtg    60
tgagccctca gccaggcttg ggtcaggaat gccacctgga gactgccagc tgacacctga    120
ccagccactc aggacaggac cctggggctg cactcctgca ctgctgcaat actgccctca    180
gcctctcccc tcagcctgcc ttcgctgcat catat                                215

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<210> 5809
<211> 102
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (58)..(60)
<223> n is a, c, g, or t

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<400> 5809
ggaccagtgc cggactttct cctggcatag agacgagaag gcggcagagg accagcannn    60
gcagcagcag catctggagt ctcagctgac ggcatgcagc ag                        102

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<210> 5810
<211> 447
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (209)..(210)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (212)..(213)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (237)..(237)
 <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> (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> (311)..(311)
 <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> (341)..(341)
 <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> (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> (421)..(421)
 <223> n is a, c, g, or t

<400> 5810
 agccaggctg cttccttgac accttggtc ggaacctgca gaggtgagcc aaggccgact 60

tctgcacgtc agcctcgact tcacccacg aggccttaga tggcacagtg agcccacctc 120

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cctttcccag ttgctagtgc ttgacccct cactttgttt ccatgaagag attatctttc 180
agttgtggac ttgactgtaa agaggcttnn tnncccagag tgtagcactt atggatntgt 240
gggtgtttggg gagccagggt agagcaattg gctgcactgn cctcccacta atataacctn 300
gctntcagaa nctgactca agcctcact ccttgcatag nctcctgagg ggagaaccgt 360
gganccattn tcctcccagc ctctantcta acggagcatc acaaagaaga gaaaaaaaaat 420
ntccttgat tgctattggt tttccat 447

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<210> 5811
<211> 362
<212> DNA
<213> Mus musculus

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<400> 5811
gcaattcagc cggatgcagg ttattataat gatctgggtcc caccaatagg aatgttgaat 60
aatcctatga atgcagtaac aacaaaattt gttaggacat caacaaacaa agttaaatgc 120
ccagtatttg ttgtgagggt gaccccgga ggaagacgat tggtcactgg agcttctagt 180
ggggagttca ccttgtggaa tgggctgact ttcaactttg aaaccatatt gcaggctcat 240
gatagccctg tgagggccat gacttgggtca cataatgaca tgtggatggt gacagcagat 300
catggaggat atgtgaaata ttggcaatcc aacatgaaca acgtcaagat gttccaggca 360
ca 362

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<210> 5812
<211> 562
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (294)..(295)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (297)..(300)
 <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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attgcctttg	ttaagtacca	cgcttccgcc	acgccgtgaa	ggccccgggt	cactgcacat	240
ttcctccgct	cagccacgag	aggctaaaac	gccttgcaaa	tgaagnatcg	antnnannnn	300
cacagaatnt	taagaatcca	ctgcgtgact	nccttcagtg	aggcctgntg	ttgcttcctc	360
tcgcntctnc	cataatgatt	cccngtatgg	ttncacgttg	ttcaaaccce	ggaaacaatc	420
agacctgagg	agactggntc	tccagtgacc	gagaagctnc	aaagcttgtg	atntcaggaa	480
cttggctggc	atTTTTgttc	ttttaatntc	cttttaagca	ncaaagcatt	ttgacattct	540
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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
 nccctgntcc ntagagagat nntcantca attatttgaa ggtgggtTTTA cacataggTT 360
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 agctgtgCGT gtcaggtttag tctgggggna nggnnnnnngn ntngnnnnnn nnnnnnnnnn 180
 nnnngacatt taaggctgac tggggatttg ctaccacaga agctaagcta aataccaagc 240
 cttgccgtgg caatttgcatt ttccacaata aatttggatt ggggtggggg agtgccagga 300
 cctcaacctg gtttaaggttt ttgctctacc actgagctgt attagaagcc caaatctgtg 360
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 <212> DNA
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gcgaagcata cctggtgggg ttgtttgaag ataccaatct gtgtgccatc cacgccaaga 180
gagtcacat catgccccaa gacatccagt tggctcgccg gatacggggg gagagagctt 240
aagtgaagc ggtttttatg gcatttngta gttaaattctg taaaatactt nggtttaatt 300
tgtgactttt tttgtaagaa atntgtttat aatatgttgc atttgtactt aagtcattcc 360
atctttcact caggatgaat gggaagagt actgactgtt cacagacctc agtgatgtga 420
gcaactgtggc tcaggagtga caagttgcta atacgcagaa gggatgggtg atacttcttg 480
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<210> 5816
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<223> n is a, c, g, or t

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aaggagatct caaccgctg gccatggctt gggcaatggt ctccggagat agcttcctgg 180
ttantaggct ggatccgaat cagccgggac ctgc 214

<210> 5817
<211> 169
<212> DNA
<213> Mus musculus

<400> 5817
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ccacactctt cgagggctac aaacatggaa cggagcaagg tctgtatccc acttttccgc 120
ttgtgagcag tctggacttc tcaactactcc atgatgaggg tgagtggct 169

<210> 5818
<211> 264
<212> DNA

<213> Mus musculus

<400> 5818

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aaagaaaaaa atcatgattt cttttctgtg tcacctgagt caaggaaaca tgttcctccc     180
tcttgttgta ggaaaacggc ttgcagatta taattcgtaa tggccctgtg gacttaagtg     240
atcaggccct aaagcattgt tgtg                                             264
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<210> 5819

<211> 589

<212> DNA

<213> Mus musculus

<400> 5819

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atgcatcaag tcaaacattt agcagaatca gagtctttgt tgacaagtcc cccaaggca      180
tgtacaaatg ggtcaggatc cctgggatct acaacaccag ccagcagtgg gactgcaacg     240
gcagcaacca acgcctctgc tgatctgggg tcacctagct tgcagcatag cagagatgat     300
tctttggatc tgagccctca aggtcgatta agtgatgttc tcaagagaaa acgactgcca     360
aaacgagggc caagaaggcc aaaatattcc cctccaagag atgatgacaa agtagacaat     420
caagctaaaa gccccaccac tactcagtca cctaaatctt ctttcctggc aagcttgaat     480
ccaaaaacat ggggaagggt aagcgcacag tccaacagca acaatatcga accagcacga     540
actgcaggag ttagtgggtc tgccagggca gcctcaaaag acaccatat                    589
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<210> 5820

<211> 320

<212> DNA

<213> Mus musculus

<400> 5820

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gttgagccgc ccgccactgg agtgtcagaa gtacttctcc agatggccca ggacatttaa     120
tagttgtttg tgccgaagcg tctctcagag ttttgcata gattctagta gcgttggtag     180
gacctgccat gctcatccgg cagggatatc gagcccagtg accctgtcct cccttcaagc     240
tactgactga aaggggaagag accaaaagac ccaagtgagc ccagccctgt cagcaaggct     300
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gaaaaatgcc ctttgacttg

320

<210> 5821
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caagtttcag atcatgtcag accagatcat cggaaggata gatgacatga gcagtcggat    180
tgacgacctg gagaagaata tcgctgacct catgaccag gctggagtag aagaactgga    240
ccctgaaaac aagattccta ctgccagaa gagttgaagg ctgccggtnc nnantnnann    300
nngnnnnntnn nnnnnnnngnn ncaagacaaa aaccaagtgg ctttctgcaa ctaantccta    360
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caaaccccggt gtagctctgt tattaccata ggggacttgg ttttggactc tgatgaggaa    180
gaaaataacc agaaggaagg gaaggagttt ttgaaaaact anccagaaga cgaagtttga    240

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cacctatatac cccatgtttt gtgactacat cccgtagtnt cctgcctatt cctttctggc 300
 tacctaaacg gttctcantic agntcctctg gaatatntc tgcactctgt ccatcttntg 360
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 ctccctttac ctattcatcg ctccaccaa aatggctctg gatgaccaca cgctgactct 180
 ctttcaggca aacctcttcc ctgctgcgt tgtgcacttt ggagctgaag aaccaacagg 240
 tctctatctg gaacctgggc tgctagaaca caccgtctcc ccatctacag ctgatgtgct 300
 ggtggccagg tntatgtccc gggcttccgg ntccccacct ctgctgccag cccctgacct 360
 tgtatccctg gantctgagc caatcgctga ggatggggca ctggggcccc cnagagccca 420
 tccaaggagc agccagccn tgtgaagaga agcctgggca aagtaccaa gtggctgaag 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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 caccctgggt ttaaaatttg tcccaccctg gtgatctgcg tgtgtccatg gacacaccgc 180
 tgaagcgaag acatgtccct tcacagaaac cggtaatgag ttcaagtgcc aggaactggg 240
 ggtgggggga gtggtgaggg cagaggaacc cttaaagatgc aaagcacctg gaagacaggc 300
 tttcctcaag aagcaatngc cagaggnccc tggaactggt cagcttggtt ctttaaagaa 360
 atcagctgtc tggagttagg tgataaactg atcattccgg gtagagttaa aggacctggg 420
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<210> 5825
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 aa 122

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 gatgaacagt ggatcctagc tgaagtagtc agttacagcc atgctaccaa caagtatgag 180
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 aactcctctc tctttgaaca acagccacgc tggttgctct accatgagct tgtcttgacc 300
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 ntccccacta ctataaggcc aaggagctag aagatcccca tgctaagaaa atgccccaaa 420
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 ctacttcaga cttggggcaat tggagctttt tcgaagtttg gtaanatgca ggttanacat 180
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 tgaatgacat tttctctcct gtggaagtcc caatagccag agctcctgat attttagaaa 180
 cagatggttt ttaagtggcc acatgtaatt ttatgcagtt gactatatat cttaaaactta 240

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ataagctcat tttgtggttc attagtttaa ggtatttggt tactaacatg tttttagaga      300
aaatactggt acttggcatt aattgtccat ttacagtgtt ctgttaagtt cctcatgcta      360
tgcaccttac ataatttccc taaagaacan tcatctatca ctgtggtgtt aaaccgcaat      420
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<400> 5830

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ttgtatgtta ccatacagct gacatgtatt ttttgtctat tctttattat cttagtagtt    180
tcatgtctgtg tatgtaccat aaccaaccta ttgcctatga gaaacatgta agataatgta    240
tttacagcca ttgttacaag ttataaatgt atttttctat cttgttttat atgtatgtta    300
tataacattc aaaagaatff ttttcttgat tgagaaanag gatacnanaa tngcaaaatc    360
cacaatfff g ataactgaaa attnccaatt gttttncagt actttattat attgggtntc    420
ttntctttct tgggctttta gttagctgat gaatgaatac attagacact tctgggtttt    480
agttgggatt ttacatagct tgcattttag ttctttgggt ctttgctgtt tctattaacc    540
catagcatt                                     549

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<210> 5831
<211> 310
<212> DNA
<213> Mus musculus

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<400> 5831
tgagaaccac cctcttcata acagtgggct gctaagcctg gatcctgtgc aggacaaaac    60
cccactctac agccagcttc tgcaagcata caaatgggtcc aacaagctgc agtaccatgc    120
aggtctagcg tctggccttt tgaaccaaca gtccttgaag cgctctgcaa atcagatggg    180
tgtgtctgcc aagcggagac cgaaggccca gccaccact ctggttctac cacctcagta    240
tgtcgatgac gtgatcagcc gcattgacag aatgtttcca gagatgtcca ttcacttattc    300
gagaccaat                                     310

```

```

<210> 5832
<211> 340
<212> DNA
<213> Mus musculus

```

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<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 aagaccaaatt tagagaagtc tttggcctgg    240
aaagggaccc agcctggact gcaggaagcc cagcaggtga ggcctgtgac accaagtggg    300
ttctctgaag tcgtgggtag tgccctagcc tgaaagccag                                     340

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<210> 5833
 <211> 462
 <212> DNA
 <213> Mus musculus

<400> 5833
 ttgagtgagc gcttttccag ggcagcagcc gatcttgagc gcttttttaa cttctgtggc 60
 ctggacccag aggaagcgcg aggattgggg gtggcccact taacaagggc cagctcggac 120
 atcgtgtctc tagccggggc aagtgtctga ccttgcagct ctgaaggggg ctctcacgcc 180
 gcagctctgc tacagtggaa gagcgggtccc 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 gccaaagactt 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
 gcaatcactg aaacactacg aatggg'gcgc cgttttgcag cccagnnttc tcagtgnant 60
 tgatangtgg gtcatgggct caggctcctta 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 aaaattttgtg cctgccagta gaaaagctca gaacgacacct ggagctggat 180
 ccatgtgagg acaaaataga gtggatcaag ttttttagcgc 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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tggttaagg tgtacagatc catctatttc cttggacatg tcttcttctt gaggctacta	120
ttcatattgc cttatatcca caaagcaatg gtgccaagaa aagaaaagtt aaaaaagagg	180
gaatgatctc tgtctttccc tgggtggccga gagctggact ggtgcagaaa nctacttgtc	240
tcccttctca cagcactcct caccacagca gagacgccag gagctggaag tcacagcact	300
cccagctgtg cctctgcgac agccnaaagg ggaagctctt gtgggaggag cagaggggct	360
gcacccccctt tggactcccc catgcacgtt gccnttatct nctcccctct agccaggaat	420
ctgttgtttn ctcttctgcc aatctactac gattgtatat gtgccgatac cncaccccc	480
cccatggggg gaggggaaggg tacaaggccc tgctgtgt	518

<210> 5837
 <211> 369
 <212> DNA
 <213> Mus musculus

<400> 5837	
gcaggcaatt ttatctcttc agtcagagca gacaccctta atgtcagcac actggtgctt	60
aaaaaacacc ttcaaagttg gtgctgtggc aggaaatgat tggattatit gggatatcac	120
tcgggtccagt tatcctcaag aaacaagacc tgttcacatg gaccgagcac acttatttag	180
gtgggtcggcc attagtgaag acttggttgc aaccactgga tatcctggca aaatggccag	240
tcagtttcag attcatcatt tagggcactc tcagcccgtc ctcatgggtt ctgtagctgt	300
cggttctggt ctttctctggc atagaacact tccactgtgt gcagttggag gcgaccacaa	360
gctcttggt	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
 acttgaaaaa 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 cctntaaag 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
 tggccttggg aactccctag ccagagact gtcgcaggat gcagtgcag tcttaacctt 60
 tgtggcatcg ggcacataca gaaggcacia ctccaa 96

<210> 5840
 <211> 167
 <212> DNA
 <213> Mus musculus

<400> 5840
 tggccttggg aactccctag ccagagact gtcgcaggat gcagtgcag tcttaacctt 60
 tgtggcatcg ggcacataca gaaggcacia 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 aagatttgga ttctgtggtg aagacagtaa gtgaagagtc 240
 agaaactcag cccctgggtg ctttagtggg caataaaatt gacttggagc atatgcgaac 300
 agtaaaagct gataagcact tacgattttg ccaggaanaa tggtttttagt agccactttt 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 catcttgagc attgtagcct 180
 cccccaagaa cttcaggagc tggctcaaag catactgtca gcaatggaag gccagaagca 240
 gcactgccgc ccgctggtgt gtgagaagag caagcccgtc cactgaagc agttcacccc 300
 ccggctagtc aaagtgcttg agtttgacg gaaacaaggc agcagtaaag aagaacagga 360
 aaggaaaaga ctaatccaca aacacaagcg ggaatttaaa ggcncntnc cgagagatcc 420
 gaaaggacaa tcagttcctg gccaggatgc agctntcaga aatcatggaa agggatgcag 480
 aaagaaagcg taaagtaaaa cagcttttta atagcctggc cagcaagaa ggtgaat 537

<210> 5843
 <211> 573
 <212> DNA
 <213> Mus musculus

<400> 5843
 gaacaagggc ctcagcctgc agcacatagg ccggcccccac agcggcattg atgactgcaa 60
 gaacattgcc aacatcatga agacattggc ataccgaggc ttcatttca agcagacatc 120
 aaagcccttc tgattggcag aggacgggat ggggcaggac agggtagctg cttggcccaa 180
 accagaatcc tcctctccct caccagaggg aaaagggaga gtggcacagc tctgcgcca 240
 gagtgtcccc cagctgccct acaggcttgt gccctgtgtg agggcatggc cacttggccc 300
 ctctggagca gacactttgt gccccacccc actccattc ctcagtctca gccagatatt 360
 agcccctgcc attatgggccc tgggctaggg ggaaccagg tactcaactg ctttctccct 420
 agtacacagg cttctgctgg ggccaccaag ccctccctgt gccctccca tccatagtgc 480
 atggtgtgtg gtgccccag 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 tcagtttagat 60
 atagcttttc ttgatgagaa ccttcattca atgagatagc aaatgaaccc agaagcattt 120
 atttaaaata actgaatgga ggaagtacca tccgataaag tttaacaacgt ccacatcttt 180
 tcgttgctgt ttcatactgt gctttgttgt ttgtgaacaa catcatttta cccatggagg 240
 acacgtatct 250

<210> 5845
 <211> 177
 <212> DNA
 <213> Mus musculus

<400> 5845
 aggtatcttg cggtagcgag tagatttcca gggaatggag taccaaggag gagatgatga 60
 attttttgac cttgatgact actaggtagt cgacatgggt ccggcaaccg tgcctcacc 120
 tccagcattc aaccaagga gcatacccg ggtggagtcc aacagatccc tgcctta 177

<210> 5846
 <211> 283
 <212> DNA
 <213> Mus musculus

<400> 5846
 tcctgtctca tgtggagcag ctgcttcgag ccttcctcct taagattagt gtgtgtgatg 60
 ctgtcctgga tcacaaccct ccaggctgca catttacagt cctcgtgcac acaagagaag 120
 ctgctactcg aaacatggag aagatacagg tcatcaagga cttcccatgg atcctggcag 180
 atgaacagga tgtccacatg cagcaccgcc gcttgatacc cctaaaaacc atgacgtcgg 240
 acattttaaa gatgcagctc tacgttgaag agcgagcgca taa 283

<210> 5847
 <211> 138
 <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

<220>
 <221> misc_feature
 <222> (49)..(50)
 <223> n is a, c, g, or t

<400> 5847
 ttttcctgct ctaaccttga cagttcggag cacctaagnt aaaaaanann gtgttgagtg 60
 ttttctggtg ttttgtgttt ctctaaggcc tttgagcctt agctttcttg tttttcttgc 120
 ctcccaattt agggatcg 138

<210> 5848
 <211> 531
 <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> (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
 tctttgacat tttgtagaag ctacataaat cagagttttt gataatcagt agaatgcata 60
 tgtgcattta tttttttgtg gagtgtacct ggggtgtctta tagattttta taatactgca 120
 ttttgtgttt aaatgattac atttatacct atatggctgt aaattttatt tcttagctgg 180
 tgtagacctg tccttttagta ttttgtctct tcaaaaagaa ttaaagtaca ttgacttgag 240
 tttaagatta agtaaataata ttttttaaca aaaacatact acaaattcag ggtaaactat 300
 ttngttgtta taatgttaag aaatttgaga cttttagcca tttctatfff ctacaanttg 360

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aaagntatattt attttgatgt atatattagg gtancaaact tgtactatatt catttttagt 420
aaatgaaaac ctaaaaattt tgtatgtaga aatgtttgaa cttgtttatt tttaatctcg 480
agtatttagt tgccaaagta gaaaaggat tttgatactc tgtatgtgta c 531
```

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<210> 5849
<211> 559
<212> DNA
<213> Mus musculus
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<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (130)..(131)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (363)..(363)
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<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

ctccccaggg caggtgctga cttggntcat agaccnaga tcangccact gagtcccaag	60
aggaacccca ttgacgtgga ccccttcacc catgagagca ctcaccagga gggcctgtat	120
gccctggggg ncgttgggct ggggacaact ttgtgagatt tgtccagggn cggggccctg	180
gctgctgcca gctccctgct gaagaaggag accaggaagc caccttaaca ttagcctggc	240
accctgacac ccaggccctg aagaggaaga gggcttanca cagcccagcg ggacgtgagc	300
ccatctaaag atttccatt tgggaaccag tctccccagc agaaggggaa gacttgancc	360
atntggatgg actatctgcc ccagaggcat ggggaacaca ggctgcccnt accctcaggc	420
gagatgaggc ccaggtggg agcagtancc atagaccagg gnnccccctt gaaactgtca	480
gtgtgtgctg gagtcacagg gccagctgag tgtccaactt ggagggcccc aggcccaact	540
tttcaccatc agatctgta	559

<210> 5850

<211> 488

<212> DNA

<213> Mus musculus

<400> 5850

gaagacttag ctaccggctt ggcattgatt gacctgggtc agagtataga tatgaaactt	60
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
 atgcttttcag aatataagcg ttcaagaaaa taaaatgaat atggaccttc tccaaaacac 480
 acttagta 488

<210> 5851
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 5851
 agagagtgtg gcttcatccg cctcaagcct gacaccaaca aagtggcctt tgtcagtgcc 60
 cagaacacag ggattgtgga agtggaggag ggtgaagtga atgggcagga gctgtgtgtc 120
 tcatcccatt ccgtctccag gatctccttt gccaaaggagc cccatgtgga gcagatcact 180
 cggaatttca ggctgaattc tgaaggcaaa cttgaacaga cggctcttat 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

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acagaagagc attcgtgtaa cttctgagac agggatgatgt ttagagaagg gctctggctg   240
ctgccctgaa tggagccaga ggaagaagcn ccttttcctt tgggaaaggc tgctcattaa   300
atgaagtgag gatcagggtca ggggaggggtc aggcctggct gggcggcaag agtgctaanc   360
tccagtccan tccctgccag aggctgagca aaccagtttc aaaagctaan tccccaaatg   420
gcagcagttt atgttctgat ctgt                                           444

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<210> 5853
<211> 125
<212> DNA
<213> Mus musculus

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<400> 5853
accaacgttg ctacatcat ctcttacagt gcacgcttcc ggactctgtt acataggccg   60
ccaccattgt tcatagcatc tcttaaacag tgcacgctct ctctgtgtat ttaagtgttt   120
ctcaa                                           125

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<210> 5854
<211> 445
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (282)..(285)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

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<400> 5854
cggcgggtgtc ggtagaaaac ttcattgcng agctgctgcc tgacaagtgg tttgacatcg   60

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gctgcctggt ggttgaagac cctgtgcatg gcatccgcct ggaagccttt acccaagcca 120
cgcccgtgcc tttggagttt gtgcagcagg cgcaaagcct gactccccag gactacaatc 180
tgaggtgggtc aggccttctg gtgacagtgg gggaagtcct ggaaaagagc ttgctcaatg 240
tcagccggac tgattggcac ctggctttca ctggcatgtn tnnnncgaca gatgatntac 300
agtgcagcca aggccgtggc gggcatgtat aagcagcggc tgccaccag gcccatgtga 360
gagcagtgcg gggacacgga gacctgcctt cgtcaccttg ggctccatgc agaggaaacct 420
gagtggcttc cgtgaatcca acagt 445

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<210> 5855
<211> 455
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

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<400> 5855
ttcgtggtgt tctgggaaag gcttttcgac ttgctggcta taccattcag tatggctgca 60
tagctcattg tgcttttgaa tacgttggtg gtgttgtaat gtgttctgga ccatcaatgg 120
aaccacaaat tcaaaattca gatattgtct ttgcagaaaa tcttagccga ctttttatg 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
ttgctccctc ctagggaggt actaagtagt tagtgcaatg acttcactgt gccctgttac 60
cttgtcactt cccatcttga caagggccta gtcctgagag tccaccagcc tcatttcagc 120
ctctaggaat agcagtaaga gcaagccaca agccagatag ctctgggccc ttcaccatgg 180

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gtcagaagag gttccaaggt ggtgggtagc cagtgtcccc atga 224

<210> 5857
 <211> 519
 <212> DNA
 <213> Mus musculus

<400> 5857
 caaacttcaa gctcaggtcc ggataggggg caagggtaca gctcgcagga agaagaaggt 60
 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 agcttgggtgc 300
 tgacagctta acgagcctta gaaagttagc tgaacagttc ccacggcaag tattggatag 360
 taaagcgccc aaaccagaag acatcgatga agaggatgat gatgttccag atcttgtaga 420
 aaattttgat gaagcatcga aaaatgaagc taactaaaat cctctggggtt ttggaagctg 480
 gcatggacta gatttaacaa tcagctctgt tgttccaaa 519

<210> 5858
 <211> 498
 <212> DNA
 <213> Mus musculus

<400> 5858
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 gctgatcaag aaggtctcag aactgggtgaa gcagtataag cgagaacatc tgacagtgtg 120
 gggcaatgcc aactctgaga ttgtagacaa gtgttacaaa gagaactcag acattcctat 180
 actcttcagc ctgcagcgtg ttctgctcat cctgggcttg ttcttcaccg gcctcttgcc 240
 cttcgtgccc attcgagaac agttctttga aatcccaatg cctccatca tactgaagct 300
 aaaagaacca cacactatat ccaaaggcca 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>
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 <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
 aactactggc cacttacaag ttcctgtcct attctgaact tcaaacaaaa ttccactgat 60
 accactaaag ccctgttcct cagctctgag gctgagactg tctcctgtta gaaatggctc 120
 ttcttaacta acatccctna aacaaatatg aggtgcttct ttctgatggg aactgggctc 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
 cgaaccttag acacggtggc actgtggatg agtatctaca agaccagctg attattttca 60
 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 gttgactga cttagcccat 300
 gcatgctgca acacagtga tgagacgtca gctaccacag gacttgantc tttggagatg 360

gaggttggca ctgtcagttg ctgagaatgc tccatc 396

<210> 5861
 <211> 506
 <212> DNA
 <213> Mus musculus

<400> 5861
 aagcactgca ggttgtgtga ccgctgtgtg caccggttcg accatcactg tgtttgggtg 60
 aacaactgca tcggggcctg gaacaccagg tacttcctca tttacctcct gacgctgacg 120
 gcttctgctg ccaccatagc caccgtgact gctgccattc tgtccgccta gtgacagtgt 180
 ctgatctcta ccaggaaact tacctagatg acgtggggca tttccaggct gtggacactg 240
 tctttcttat tcagcatctg ttcttggcat ttccaaggat tgtcttccta ctgggctttg 300
 tcatcgtttt gagcatgctc ctggctggct acttgtgctt tgctctgtac ctggctgcca 360
 ccaaccagac cacaaatgaa tggataaag gcgactgggc ctggtgccag cgctggcctc 420
 tgggtggcttg gtcccatca 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
 acaactatct tcatgaaagt gaaaaaacct agttatcaaa tttttatcac cagtaaagtg 240
 g 241

<210> 5863
 <211> 197
 <212> DNA
 <213> Mus musculus

<400> 5863
 gaagaatcaa tgtccttgtg tggatattat gcctttagaa atgtatttca agtctgggaa 60
 agaaggccat cttttgctca aatattttca gcaagcaaaa tgaaacttct tttgtattta 120
 aaataaatat caaattacaa cagggtatctt ttcccatctc tcaaataattt 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
 aggaatctga atttttgtgt ctggaatttg atgaagttaa agtcaagcaa atcctgaaga 60
 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

agacatgtct gctccagtta aacatgaggc catgcatggt gaggactatt tgaacaacca 60

aacccccctcc ctgtccctgc tggcgagaat ctttgtcagt tattttacat ttaaaaggat 120

tatttttaaa ccaatctcag ttgacctttt taccacacca gtctgctggt tatactcatg 180

ggctttcata gtgtcttccc caaagagaaa ctggcagcta attgttccta tgccttgagc 240

aactctggtc atggactggt gggttgtctg gccttagcat accagattac ccnntttgcc 300

tncagtactg gggatatcggg ccagatatgt gtgtgtttgt gcagtggatg ggagggagc 360

annccgcctg gtggagggag tgttagggat ggaagagatn cttactttc 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

gaaggagggt cctgatttac ctgaagaacc atcagaaaca gctgaagagg tagttactgt 60

tgcccttcga tgcccaaatg gacgtgttct gaggagaaga tttttcaagt cgtggaattc 120

acaggtctta cttgactgga tgatgaaagt tgggtaccac aaatccctat atagactttc 180

caattccttt ccagaaggg ccctggaagt ggagggaggc tcgtcactgg aggacatagg 240

aataactgtg gacactgtac ttaacgtgga agagaaagag cagagcagcc agtagagagg 300

ctggaancac ctgctgccct tccacagggc ggtgttcatt caagcccat gcacctggag 360

ctcctctcgt ccacaggtgt accccgcca caccgcgcc acaccccatg gatgaggacc 420

gctttgcact gatggtctgt ggctgtcat 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
 cactgcatgc cgtgattgtg gagttcaggg acctgtggcg gatccggagt ccttgcggtg 60
 actgcgaagg ttttgatgtg cacatcatgg atgatatgat caagcactcc ctggatttcc 120
 gagagagcag agaggcagag ccacaccac tgtgggaata ccctgcaga agcctctcca 180
 agcctcaaga gatcctgact ttgtatttcc agcagcccat cccccaacag cctatgcaat 240
 ccaagggcac aatggagctg acaagacccg ggaagagcca tggggctgtc ctgtggatgg 300
 agtatcagct cactccagac agcacgatca gcactggcct cataaacctt gcagaagaca 360
 agggggactg ctgctggaac cccactgca agcaagctgt gtacttcctn agcaccacgc 420
 tggatctcag agtgccctg 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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tgccggcagc tgatttggtg caatgccaga agtaagcctc atgtgcaccc gtgctggaag    60
gaaggagaca cagtaggggtt cctgttagac ttgaatgaaa agcaaagatg cttcttttta    120
aatggcaacc agctgcctcc tgagaagcaa gtcttttcat ccaccgtatc tggatttttt    180
gctgcagcta gtttcatgtc ataccaacaa tgcgagttca attttgagc aagaccattc    240
aaatacccac catctatgaa atttagcact tttaatgatt acgccttcct aacagctgaa    300
gaaaagataa ttttgccnaa ggcacaggcg ccnttgctct gctgaagcaa gtcagtattc    360
gcgagaactg ctgttcgctc tgttgtgatg aggtggcaga cacacagctg aanccttggt    420
gacacagcga cctgtgcatg gattgtncct tgcaactgga gacctgccca ttgtgtcgta    480
aagaaatagt gtctagaatc agacagatct ctcatatctc atgacacatg tgaagagata    540
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 tgcacagtat ttaccggggg ccatttgcgg    60
atganaatttt taaacttaga cactctgctc caggcctgct ttccatggca aacagtgggc    120
ccagtacaaa tggctgccag ttctttatca cgtgttctaa gtgtgattgg ctggatggaa    180
agcatgtagt gtttggaata atcattgacg gacttctagt gatgaggaag atcgagaatg    240
ttccacaggg cccaacaat aagcccaaac tgccagtggg gat                                283

```

```

<210> 5870
<211> 499
<212> DNA
<213> Mus musculus

```

```

<400> 5870
atgctgagaa actgtacctg cggctgatag ccattgggaa gaaactgttt ggtgaaggct    60
acagtggact agaatatgat taccggggcc tcattaaact ttacaactcc attgggaatt    120
atgagaaagt gttcgagtat cacaacgttc tgtctaactg gaaccgggtg cgagatcgac    180
agtattcagt gaccgatgcc cttgaagacg tcagcagcag cccccagtcc actgaagaag    240

```

```

tggtgcagtc ctttctgatg gctcagaatg ttgagggacc aagctgctga gggacagcct    300
cagctaacaa ttacctttcc cagattccgg ggaattcata ctgtgaaatc aaaccatggt    360
gtttttaggg ctggcatttg cattgaaaca ctgggccagt ccaccaaga ccctatttcg    420
ggtagtcttg tattgcagtt cctgtagaat aagcatatat tgagttatat cagcatgtgc    480
cgcggtgtata agtagtccc                                         499

```

```

<210> 5871
<211> 317
<212> DNA
<213> Mus musculus

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```

<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 ggaaagaaaag cggactgcat tcttttgaac aggttaaagc catttacatc    120

```

```

cattgtgaca tgttctctgt tcaaatggt ctgctgacac caaactaaa ggctaagaga 180
ccggagctga gagagtactt caaaaagcaa atagaagagc tttacttagt ctccgtgtga 240
agctccagga gggcccgtct cagtccgatg aactttgcag caatattata gttattcgtg 300
agagaaagga atcagaatgc cnacagctca aagtnacaa gcacctgatt ttgcaactg 360
ancctttcct gaccaagaa 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
gttcgtgcag ttcaagcaac agctgagggg gctgaagaag caatatggta ttcatgcaga 60
cagagagaat gatctgacag aaggagttga cgaagatatg attgtgacct agagccaaac 120
caatttcatt tgccccataa cacagctgga aatgaagaag ccagtgaaaa ataaaatgtg 180
tggccatata 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 gtgaggggatg ccagcgatag gcctggccaa gcagcgctgt ttgcggtaac 480
ccttgaaggc ta 492

```

```

<210> 5874
<211> 397
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

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<400> 5874
ggttgactct gatagcttgg ccttcgttaa gggagcccag gtggacttca gccaagaact 60
gatccgaagc tcattccaag tgttgaataa ccctcaagcc cagcaaggct gtcctgtgtg 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 ntccctccc 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 tgctctcag accagcatta ccaagagacc caacctgcct aggcagaggc 240
caggaaggc tgtgaaccag cagcctatgc ttccttacct tctaggggga ctggctactc 300
tgttcctgca ttctgtttac acttgcccct gacggagcag caaaggctctt 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

```

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<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

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<220>

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<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 tgtgaagga gcttttcagg ctcttgcct cctgctttca 180

gaagaaaaag acaatggagt gtaaaggncc tcaattttcc taggcagtac atttcatacc 240

aaagcgggtt cttctaagta aaacctaaaa cggagggttct tggcgcctac attatcagag 300

gggcagtgcc tatttaggtt cagacaattg acnaacnagg ctanntctna cnangananc 360

ntactttntn tgagaantan aagaacttta taatnccagg gtttntctac caaacacata 420

aacgttttta tgagaaggag aatcgcaag 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

<220>

<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
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 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 gagggggtga 120
 acacgcatta ccgatacatt ggcagaacca aggaccaccg agggaccatg atcgctagtg 180
 aagccccctt gcttcatcac caggtcaagc tagtggatcc tgtggacagg aaaccactg 240
 agatccagtg gagatttact gaggcaggag aacgtgttcg agtctctaca agatctggga 300
 gaattatccc caaacctgaa tttcctagag cagatggcat tgtccctgaa acatggactg 360
 atggcccca gacacatca gtggaagatg ctcttgaaag aacttatgtg ccccgactaa 420
 agacattaga agaagatgtg atggaggcca tggggatcca ggagactcga agattcaaga 480
 aagttttattg gtattgagcc tcagagtgtc gcttc 515

<210> 5879
 <211> 187
 <212> DNA
 <213> Mus musculus

<400> 5879
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 atcaagtttg agtatggtca ccaccggaat ggacatgtgg ctgactacca ggaccaagg 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
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 gtacaccccg cgaagctatg taggggtcac tttgcttttt gccttttctg cctttggagg 120
 tcttctgtcc attagtgtg tgggagccat actctttgct ctctgtgtgt tttccatctc 180
 ctgtctctgc ccttactacc tcattcatct gcagcttttt aaggaaaata ttcacggggc 240
 ttgggatgaa gctgaaatca aggaagactt gtctaggttc cttagctaat ctagggacct 300
 tcatttcatt attaagacca gcggaaagac ttcgagccta accggtgcaa catttaaagg 360
 caggggtcca ctnttgaagc anccgactna tctagatggt agagctgaga tcagaagaaa 420
 gcatttaacc aagggccttag 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
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 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 ataagtgcac 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
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 atgaattacg acaatgcacg cgaaactccc ctgagtttag 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 agttctttta 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
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 ctaagcacac gtgctggttg tctgggcata 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
 tatttttagaa agaggtncaa agaagactgc agaaatgaac gaaaagctnt ccaagatggg 480
 tgaaagttca cttagaaact ttacgatgga cacagagtcc agtgtttata acttt 535

<210> 5884
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 5884
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 ttaattatag aaattacctt caaacagatt ttgtgttctt tggcccttca aatactggtg 120
 ttacattggt gctgcagata aatgatgatt gtcgtgggat atctggatca ctgagctctg 180
 tgctttcatt cctagagatg tttctcattc ccatttagtg aaatgctgtt gcccacaaagt 240
 gatggttgtg ggatttctta ccggtcatag gccccggtga ggagcagga agcgccattg 300
 tgaaagatta aagaaagcac ttccacttga gctccttatg gagtgagctt ccctgtgccc 360
 actcagtga ctaagtctga ccatacttca 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

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agctgagaaa agttcctctg gcttctttgg actcatggca gctgctgctg tttctaaggg      60
atgtgcctcc tgcacgcgtt acccacacga ggtcatcagg acgcgggtcc gcgaggaagg      120
cagcaagtac aggtcgttcg tgcagaccgc gcgcctggtg ttccgggagg aaggctacct      180
cgctttctac cgaggactgt ttgctcagct catccggcag atccccaaca ctgccattgt      240
cctgtccacc tacgagttca tcgtgtacct gctgggagag cgtgcttagt gacagggcca      300
catggtttgtg ctctagaaga ataaaacctg aaaaccctag agattttctt ttccgttgat      360
gtttagtgtt caaaactgaa acagcgaagg ccnatagaat acctgggtca tgtcacctg      419
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<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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atttggatct tacagactag gagtccacac gaaaggtgct gatattgatg cgtttgtgtg      60
tgcaccaaga catgttgatc gaagtgcatt tttcacctcn ttctatgata aattgaaatt      120
acaagaagaa gtgaaagatt taagagctgt tgaagaggca tttgtaccag ttatcaaact      180
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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 gtggtt 445

```

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<210> 5887
<211> 276
<212> DNA
<213> Mus musculus

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<400> 5887
ggagaggcag aacatcttct tgatggaaca ggtccgccag ttacagaagc tcactgctca 60
gacctccagc agagctgccc agaccagcac ctgtgttctg attcttcttt tttcactggc 120
tctcatcatc ctgccagtt tcagcccctt tcaggggtcaa tcagaagcta ggcccaggga 180
ttatcagctt catggagtga tttccagaaa tatcttgact cacgagaacg taacagaaaa 240
cctggagagt ccagtgctaa agtccaaact ggagga 276

```

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<210> 5888
<211> 494
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (302)..(302)

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<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

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gccgtagcct cgggtctccag tacctgcccg acgcagtga ggggtctcca ctgccagntg	120
tctttgaagg actacctgtt actcttggag tagcttggag gaggcattgc tnccgatcatg	180
cggacggcct tgggtgaggg 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
aggcatttca gtcaccagtg taaccannn ncnaggaaga tgtcacgttc tcagagtga	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

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gactacttgt tcatagagtt tctgaaacga tgccctccagt gggaccctc tgcccgctc	120
acccgggctc aagcattaag acatccttgg attagcaagt ctacaccaa acctctcacc	180
atggacaagg tgccagggaa gcgggtagtt aaccctacaa atgctttcca gggactgggt	240
tccaagctgc ctccagtcgt tgggatagcc agtaagctta aagctaacct aatgtccgaa	300
accagtggta gtatacctct gtgcagtgt 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 acctgtgccg gttctgtgag cacgagacag 60
 gggaccctga ggacttgac agccacgttg tcaacgagca cgctcgaga ctgattgagc 120
 tgagtgacaa gtgtggcagt ggtggccatg ggcagtgcag cttttaagc aagatcacct 180
 ttgacaaatg taaaaatttc ttcgtgtgtc aagtatgttg ctttcggagc agacttcaca 240
 caaatgtcaa cagacacgtg gctatcgagc atactaaaat attccctcat gtttgtgatg 300
 actgtgggaa gggcttttcc agcatgttg aatattgcaa gcatctaaat tcacatctat 360
 ctgaagggat ttacttatnc caatattgtg aatattcaac aggacaaatt gacgatctta 420
 aaattcatct agatttcaag cattcagctg acttncctca taaatgtagt gagtgttga 480
 tgaggtttgg gaacgaaagg gacttactcg gtcaccttca agtccatgag actacctgac 540
 cgtgatcttt a 551

<210> 5891
 <211> 517
 <212> DNA
 <213> Mus musculus

<400> 5891
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 agtcagccaa ctttctcgac attacaaggg aacagctcat ggaggaaaac gaatgtctca 120
 ggcagagact agtcaagct aaaatggagc tcgcggaggc tctcggcc agagatgagc 180
 ttctccatca aatgaagagg atgggcctgt agctgccgtg gccgtgagaa cgggggctag 240
 agcgctggag aaggacggct aggtttaaca gaaggatgta accagttagt gggaagtttt 300
 cctttacatg aaataaagcg agtggtgaag tggcggctgt tccaaaccct gtggaggaaa 360

ccttggg'gcgc aagcgggtaca gtcattctggg tggccccgtg aaggctgcgc acactgtaac 420
acagttacat gcctaattgag aaatgtcagt tcctaacttc agtgtctcat caaaagcatt 480
ttttacaaga aaaacgaaga cctgtttgtgc tcatgca 517

<210> 5892
<211> 265
<212> DNA
<213> Mus musculus

<400> 5892
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gacttggcag aaatcacatc cttcattaca tcacacgttg gaggatatta aattttattg 120
tgaacagtat ttgccttcct tctcctcaca tcattctttt cgggtgacat catttgataa 180
aaacaggcac tgtttgggag ccaacatata gccagaaca 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 gggtaagcc 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 ttcattggaga accaccatcc tgggaattct gcaacgcctg      180
tagccaatat catctcgggtt gaaactccca ccacagcccc atcaagtaag aaaaaagaga      240
agaaagaaca actttccaaa gctcagaaac gcaagctggc agataaaacn agatcacaaa      300
ggggagctgc ctgcggtgctg gaactgggtt gacgtcgtga agcatttaag caaaactggc      360
tctaaagatg atgagtagca agcacctgcc gcccaagcaa gagcagcctt tgaaaagcgg      420
cctggttcag catct                                                    435

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<210> 5895
<211> 555
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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<220>
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 <222> (407)..(407)
 <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> (437)..(437)
 <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> (446)..(446)
 <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> (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 gaagtgnccc 360
 ctaaaagtgt aatgggcgtg gggaattgtt cacgtagaac tcagntntta ntcattcata 420
 gactagtcac aaaagancaa gtantntgtg tgatgactac aggggaagcta 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 ctgtaaatct gctgagaaat gtttgtttgt gcatccaaat tgtaaatatg 180
 acacaaagtg tactaaagca gattgtccct tcactcacat gagtagaaga gcctcgatac 240
 tgactccaaa accagtgtcg tcaccagcac cgtctttctaa tggccagctc tgccgttact 300
 tccctgcttg taagaaaatg gaatgtccct tctaccaccc aaaacactgt aggtttaaca 360
 ctcagtgtac gagacctgac tgcacatttt atcacccac cattactgtg ccaccaagac 420
 acgccttgaa atggattcga cctcagagca gtgagtga 458

<210> 5897
 <211> 371
 <212> DNA
 <213> Mus musculus

<400> 5897
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 atcgtcaaca cctatggggc ctttggaagt gtcaccaaag agcggactga ggtgatcctg 120
 cagggcacag tgagcccaa 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
 ccctttgagg g 371

<210> 5898
 <211> 204
 <212> DNA
 <213> Mus musculus

<400> 5898
 acccttgag atgcctagaa tatctttacg gggcactgtg tcccagctgt ccttagacat 60
 agcctgggag aatggaatct tttgtttttt caggacaagg ctggtcagga cactgtcctt 120
 tttctttctt cttcaggaga gggatgtcac ctgagtgtg 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

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 <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

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taaactaagc tatttcagtc ccagtggtat taggcagaga tgtgacaccc actccccccc 240
cccccccag gtaggggcna ccagccagcc taccacatcc tgggtaggtc ctgggccagt 300
catgttcggg ttgctctttt gggtgctggc tgggttgga gtgggtgggg agcagcatcc 360
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<210> 5901
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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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<400> 5901
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tctggatccn tcgggagacc actgggtata atctatTTTT ctag 164

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<210> 5902
<211> 385
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 aggggacccg atggccaact ttattaagaa gaataaagct aaggagaaca agaataagaa 120
 agtgaagccc cgctacagtg gtctgtctcc tcctcccaat agattcaaca tttggcctgg 180
 gtatcgctgg gatggagtgg acagatccaa tggctttgaa cagaagcgct ttgccaggct 240
 cgccagcaag aaggctgtgg aggagcttgc nctacnantn gagtntngag gatatntgac 300
 nccaccccc ccccnngcca tntgaccctt gagnccatnt gatnctgtgg tncntnttagc 360
 accagctcac atccagctct aaagg 385

<210> 5903
 <211> 257
 <212> DNA
 <213> Mus musculus

<400> 5903
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 aagcctcaaa gatgtgtttg tctccacca acaggagcct cagcaggcag gactgccagg 120
 gtccaggagg aactccaggg actaattcca atttcacctc aagagccctg tccactgggtt 180
 ccttgtttga agcaattgat ttctcttcac acagtgaaga atgtgcccag ccacagcggtt 240
 acccatgagg cccaact 257

<210> 5904
 <211> 245
 <212> DNA
 <213> Mus musculus

<400> 5904
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 tctgagaagt tgtaaagagg ctgcccttgc tgctcctgag gacctggggg gaaaggaaat 120
 tattccaagg tctttcctaa ctccaaaaag tttctccttt tcttgatct 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 gccagaagggt ggatgtgcac 120
 cggacaggaa aggccttcag tattagccta agcatttctt ctaggtgctg agcctgttca 180
 gtccttggc tgccctgcc agcccagccc taagtgtgaa tagttcttgg cgtgtataaa 240
 tgacaaagga gtttttcctc tcctaagggc ttgatgttaa cactaaatag aatctgattt 300
 tgactcctaa tgcagcacat tgctgtacac atttacagaa tgtttgcaga atctctctg 360
 atatttttca tgctgggtcat gacctgaagg aaatttctta gcacgaatat tgtgtcaggt 420
 atttttaact tgatcatggt cagctctgag gtgcaactgt gtcttc 466

<210> 5906
 <211> 508
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (195)..(195)
 <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> (374)..(374)
 <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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 ggccctggct cccttgggca ggggataggg aggagacaca ggatggaaga acccaagggt 120

ccaggccagg gccatagcca agcaagcacc ccagggtccac ccagggtgtc aatctaaaac	180
ataccccagg aaggntctag aaataatgag ccttgatgc tgtcggcaag tgacagcatg	240
taactgcctg tgtctcagaa tcacatatt cagacagctg gcagctcacc tcttgacact	300
gggtgtctggg gtttggcact cctcccagag agcacctcgc gtgaaggggtg cccagtaagt	360
ggntctgggt tgtntctcac cccagcccc ggaaccccc 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	
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aaaataaaga agatttgtca ggaactcagg cagccctcga agtcatccag gagtcggagg	120
cacagctgtg gtgggccgcc aaggagctga gaagaacaaa gaagctttct gactatgtgg	180
ggaaaaatga gaaaaccaa 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
atcttggtta gatatcagaa ggagatttac ggaaagccat cacat	165

<210> 5909
 <211> 72
 <212> DNA
 <213> Mus musculus

<400> 5909	
ggaaggcaac gaacaggatc aggaccagtg gatgatctag gtagacaagc caagggtggcc	60
tcagtgattc ca	72

<210> 5910

<211> 467
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (326)..(326)
 <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> (357)..(357)
 <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

<220>
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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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 ttgaaagaaa tatcactgac ttggtgggac tattttattga aaatgtccaa agtctgattg 120
 ctcaagtgccg ggacctggag aaccatcacc atgagaagct cctggagatc gccatcaaca 180
 ccctggagaa gatcctcaag ggcgagatgg acgaggactt acccgatgac gtgcggggcgc 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
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 ctgttgactt ctttgactcc tcctgaagca gaaggaagac agaaagacag acattgatta 120
 tttttatgag cgtgggattt aggatctcat cacttttatc cagttttttag gatttgccat 180
 ggtaaattctt aaacttgaga aataagagta cacctctgtg ttgtcactta cccatttatg 240
 tatgtgttgg cgtgacaagg acagctgcct ttctgtcatt actgggtgtt tctaaactgt 300
 aggagaattt tggttttgac ttttgaggct tatggaaata tttagaactt ggttcatttt 360
 tcagttattg ttagcttaaa ctccctaagt tct 393

<210> 5912
 <211> 216
 <212> DNA
 <213> Mus musculus

<400> 5912
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 agtacattga aaaacagtgt ctttggtata gtaaattgtt gttcttcatt catctgtaac 120
 ttaatatattg ttcaaatttt gcctttgata caactaagtt aaaactcttg agtgctgacc 180
 tgttgtatat acacaaaaca atctgctttg ttggag 216

<210> 5913
 <211> 325
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (224)..(224)
 <223> n is a, c, g, or t

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 taggcagtag ttttgtggta tttaatgtgt cagggtgtcta agaattagta atatccctat 120
 atcagcattt gtgggtgtgct cagtaaattct actcttccaa taattcctat ttaattactt 180
 tgatatggaa gttactgaaa ctcatataca 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
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 tcaagacccg ctttctggac caccctgaga tctacaggtc cttcctggag atcctacaca 120
 cctaccagaa ggaacagctg cacactaagg gccgtccatt ccgtggcatg tctgaggagg 180
 aggtttttcac 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
 gtcctttctt 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
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 gcgcattacg gaccagaga ttttggagag ccggtatcca gttatcctgc gccgctttga 180
 gctgaggcca ggctctggag gccgaggncc gcttccgggg aggtgatggc gtagtccgag 240

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agctgggtctt tcggaagag gcgctactgt ctgtcctcac ggagcgccgc gccttccagc 300
cttatggcct ccacggggga gaggctggta cacgtggctt aaacctcctg atcagaaaag 360
atgggcgcac agtgaatctg ggcggcaaga catccgtgac tgtgtatccc g 411

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<210> 5917
<211> 218
<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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<220>
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<223> n is a, c, g, or t

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<400> 5917
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gcctgagaag gagacggttt atttggatct tccagatgaa caaggtcaaa aatccccctcc 120
nagtcacaga gtngaaggtg acaagtggga aagctgggaa ggaggatcgg agagggggcg 180
cacaggagaa gaaacaactg ggtaccaaag acaaagat 218

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<210> 5918
<211> 254
<212> DNA
<213> Mus musculus

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<400> 5918
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cattgcagct ggtagggctg tgtattctac caaaagagag gtgagatgct aaggggtgtgc 120
gtgttaggga ggttgggtga gaggggtcac ctctcccta catcagctct ggtctttctt 180
cctctttatc caccctgct ggtctctgaa cctcagaact caagcccttg acagaacgag 240
gctcccaggg actc 254

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<210> 5919
<211> 483
<212> DNA
<213> Mus musculus

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<220>

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<222> (268)..(268)
<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

<220>
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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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<223> 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

<220>

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<222> (448)..(448)

<223> n is a, c, g, or t

<400> 5919

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ggatgtctaa gcctcggaca gcgatggagg tgctnntgca aggaaggccc agcaaacgga 120

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

ccccaaacaaa gatgttnttt tntctatntc ctaacacttg ggatcccat acctgtgttc 480

taa 483

<210> 5920

<211> 515

<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> (322)..(322)

<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> 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

<220>
<221> misc_feature
<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> (446)..(446)
<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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 acatacgggt cgatgtgttg gccgtgctta gctggctgcc gctcattcta tgattctatt 120
 tttctaacga tgtagtaatt gaactgcac tcgggagatt tataacattt tgatattcct 180
 cactctggaa cttgaacttt gtttacctta ccaaacatct ttcttgtgaa ttcaaaatcc 240
 agttgcagtt ttggttgctc ttttttttng attctccatg taagaaatgt tgtgattaaa 300
 ttaccaattg atagtgggtg gnaaaaaatc catcaacctn anccntn nan ntntcctnnn 360
 nnnnnannnc antgtttctg ttgctgaggt ttatnctgtg aatacatgca cattgggttc 420
 ttatgcagat ggtataaact ntaggnccctg tgctagaagt agtttgttcc ttgacaagnc 480
 cttttgaact gtgctgcagg gcatcttgtg gatat 515

<210> 5921
 <211> 522
 <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> (316)..(316)
 <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>
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 <222> (328)..(328)
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<222> (338)..(338)
 <223> n is a, c, g, or t

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 cagggagtgc tcagaggtgt gtcaggttgt ctgtgtgacc tctgtctgta ctgccgatcc 180
 tgggtgttgag tgagtaaaca ccaactgtgaa gagaattcat tgccttagga ccgtgacagc 240
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 ttacatagan ggtttngtat atnatgtntn ntcagtgtnat actttcagga tcattttcac 360
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 atacatacat atttttagtat aatgttactt ggggttgatt 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 tgggttcaagg ctacacagagg acctggaagt aaaatgctca 360
 gcgttcatgt tgttgga 377

<210> 5923
 <211> 547
 <212> DNA
 <213> Mus musculus

<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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 <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> 5923
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 cacttgaaga gtctcccttg ctgcccagagc tgtagactat tggagtttct taatgtcttg 180
 gatttttctt ggctcccaaa agccagcccc acctgaacca gcccagttg tcctcattgg 240
 ggcttgatag ggcacatgac atttccagcc tctccaacag cgggggtggc agatggctgg 300
 agagatgaca ccgtgagtca ctaaggagta gctgccagcg ctttaggaca gtcccaagcg 360
 cagtgaatca aatgttcagg gtggtgagca tgacgcagaa agcantntcc tcggtggaga 420
 gactctgtg cacctgtcag cactcaggaa atggcatntc tgccgtgatg tntntgntca 480
 gcttcttagt ctagcaggga tccccttntn tctgggaaga aactgattac ctttaacgtg 540
 ccactaa 547

<210> 5924
 <211> 135

<212> DNA
<213> Mus musculus

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<220>
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<222> (48)..(48)
<223> n is a, c, g, or t

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acaagggacc taccttgcta gcctggacgt gaagctgagc tacctggtgt gaagacctaa 120
cttaatcaat tagat 135

<210> 5925
<211> 296
<212> DNA
<213> Mus musculus

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<222> (108)..(108)
<223> n is a, c, g, or t

<400> 5925
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cagaggaaac ttggccttac caacctctac tgggggggatt gtcaatanaa atggttggcc 120
gagttggaga ctgccttgc 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
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aaaggctact ccaaggaact tgccaccacg gtcacaggac ggatattata gctgacagct 120
ttctgtgatg gcctaaaacc tatcctggtg tccataatth ccaatthttt tctthtttht 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
 gtgaagggtg gataagccgc gccccagcc cttctttctt acctcagatg cctgaagaga 180
 accaggcagc ccagtagcag cttcccagga gctgacaagc cttccatcag aggcttgtgc 240
 tatcaagtga gcttatcacc cacaacctgc ggtgcccact ccgtgcttct gatgtgcaca 300
 cctcacacgg gttaaact 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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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> 5928
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 ctcccaagat gcctccacat acaatcctga gcaccgtccc tcagcagatg ttcagcgatg 180
 caggcagtgg ggatgacgcc ctggacggag atgacgacct ggtgatcgac attccagagt 240
 agccacccag tgccacctgc caggcacctc acagcactcc tcctgtgcca gcaaactcaa 300
 gcccaattcc tcaagagatg tttattgatg cccagttgcc atgcttcgnc cactgacaca 360
 atcagnaaag gcgtaaacat ncacaatntc cccgaggaag gtggcaggnt cctnccctta 420
 catcccagcc ccattccaggg aacagttatt taaacgagtg nccaaaaggn tntgctacnt 480
 ntccgggagg tagagacctc cggtnccgc ccctttagaa gagcagctac gcagggctgg 540
 gattta 546

<210> 5929
<211> 480
<212> DNA
<213> Mus musculus

<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

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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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<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (312)..(314)
<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

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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> 5929

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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
ntcatttctca	tattctcgaa	gtgctgggga	ccttcacctg	gatncttctc	aagcactttt	420
gatcccaaca	ctgggtat	gatgggggaa	aaaaccaacc	tgtaatgatc	cactggagat	480

<210> 5930

<211> 399

<212> DNA

<213> Mus musculus

<400> 5930

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ccacctgact	gccactggag	gtggcgtggt	taagggtcaag	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	atttgcaa	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
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<210> 5932
<211> 501
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<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

<220>
<221> misc_feature
<222> (375)..(375)
<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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<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

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gcaggaggtg agggaggagc tccaagtccc agcaagtgag gcttgcttgc gtacctgtcc 180
acctcggaat caatgacatc catatggagg caggcaaggt tggggttctc cctgctcaat 240
aacaatcata tatggactct acgctcccat ctgcccagct ggctgctctg aggatacagc 300

atgagaacan nctgagaacc catcacagga cagtgggtgtg gtatggggcc atganccagt 360
 tggacagaca acatntgtta ggcattccaa tcatccaaga tgggaccagc tnccccatgg 420
 gaacantcca tgccaggtgc tgaaacaggt atgagcctgg tgcctgggca cancctgcat 480
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<210> 5933
 <211> 460
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (355)..(355)
 <223> n is a, c, g, or t

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 tgagatctcc tgtaaacggt 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 tgagtgggtt gcagctgaat ggtagtgggt tcatttgagc cgtanctctg 360
 tgggtgtcacc agtggtggct 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 atccagtgc aatgttccag gacatcaaac gtcagctcaa ggtgggtggag 180
 cgcctactct ctctccctt ggagtactgg aatcagttca tgatgggtgga ccaagagaac 240
 atagacagcc agcgaggcaa tggaaactca acaccacgca caccagacgt taaagtgagc 300
 ttactggggc ctgtgaccac tcctgaattc cagcttgtca agactccttt atcaagttcc 360

ctgtcacaga ggttgtacaa cctctccaag agcacacca 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 gtttgggtcag ctctgacac 120
 acttggatac caccagcag atgatggcca gtcccttaa 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 tgcattgtgg gtacacaccc tcccgacaaa cagagtggga 420
 gctgggggct cttattggat gaggttgtgg gccagccac atgcagttcc cgtccagtaa 480
 gtgctttgcc tgctgtggga gagggactgg atcccgtcct ctaacgtctg tctctggccg 540
 agtctaacac tgtacaactg tctctgacca ttaaattgtg 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 caacctgat tcttacaact tttctcacag aatagatcat 180
 ttgtcttttg gagagcttgt tccgggaatt attaatcctt tggatggaac tgaaaagatt 240
 gctgtagatc acaaccagat gttccaatat ttcattacag ttgtgccaac aaagctacac 300
 acatacaaga tctcagcaga taccatcag tt 332

<210> 5937
 <211> 241
 <212> DNA
 <213> Mus musculus

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<400> 5937
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acaaccacac agaactgcta ggaaacctga aggcgggtgaa ccaagcaatc caaagagcag    120
gccgtctgcg cgttggaaag ccaaagaacc aggtgatcag tgcttgtcgg gatgcgattc    180
gaagcaacaa catcaacacc ctcttcagaa tcatgcgagt gggcactgct ccttcatagg    240
a                                                                    241

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<210> 5938
<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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<223> n is a, c, g, or t

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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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aggcacagaa ctacttttga tccattaata tctctaatac caatgtgaag cagtgtgttt    180
ggtttgccat gaaagaatac aacaaggaaa gtgaggacaa atatgtcttc cttgtggaca    240
agatactcca tgccaaantt cagatcacag accgaatgga ataccaaatt gatnttcaga    300
tntcccgag taattgcaaa aaacctttta acaatactga aaactgcntc cctcaaaaaa    360

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aacccgaact ggaaaaaaaa atgagttgca gctttntggt aggagcactt ccctggaatg 420
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<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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 <222> (123)..(123)
 <223> n is a, c, g, or t

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 aanccagaaa acaagtttgc ttttaatgga gaattcaaaa acaaggcttt cgccctcgac 180
 gttattaact ctgcacatga acgttggaag gagatggtta tgaagaagtg tgacaaggga 240
 gccatcagtt gtgtaaatgt gcacatctgc gatagccctt tccactgcac tatggaggaa 300
 gcaagatcat tggttgaatc gggtccaaca ctttcgatga 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 gtggttaactg tgacatctat gatctttttc atcgtgggac aagcccctga 120
 accatatatc gtcatcactg gggttgaagt caccgttatt ttctgtttcc tagtcttata 180
 cacgtgtgga cttgacaaga taatgagatc tt 212

<210> 5941
 <211> 476
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (313)..(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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 <222> (357)..(357)
 <223> n is a, c, g, or t

<220>
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 <222> (440)..(440)
 <223> n is a, c, g, or t

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 ctgaaatgct ttgtgaagtt cctgcggttg gtggtaactg tgacatctat gatctttttc 180
 atcgtgggac aagcccctga accatatatc gtcatcactg ggtttgaagt caccgttatt 240
 ttctgtttcc tagtcttata cacgtgtgga cttgacaaga taatgagatc tttcttttgg 300
 cctttgcttg atnnttatna actcaatggt aacagcatta tgcattgctca ttgtgtntgt 360
 gttggctcta ataccagaaa cctcaacaaa gacaatcctt ggaggggtgt ttggtttcct 420
 gacagtaaca tgtactattn ccgactgtgc ctttatgtgc cagaaacttc ggtttc 476

<210> 5942
 <211> 407
 <212> DNA
 <213> Mus musculus

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 <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

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 tgtatggttg gactgctctt aatagcactc cttacctggg ggtacatcag atattccggg 180
 cagtatcgtg agctgggttg 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

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 atggagagga gngactcggg ggagaggccc actccatggg gtgggacca agtgggtgaac 120
 gtctggctgt gctcatgaaa ggaaaccac aggttcagga cgggaatcct gtcatcctcc 180
 tttttcgaac tcgaaacagc cccgtgtttg aactgcttcc ctgtggtatt attcaggggg 240
 aaccaggagc ccaagctcag ctcatcactt tccatccttc cttcaacaaa ggggccttgc 300

ttagtggtgtg ctgggtccaca ggccgaatca cccacataacc tctgtacttt gtcaatgctc	360
agtttccacg ctttagccca gtacttggtc gagcccagga gcctccagct ggagggggag	420
gctctattca tgaagtgcc aattttactg agacatcacc aacctctgct ccttgggacc	480
ctcttccagg acaatcatct gctcaacc	508

<210> 5944
 <211> 498
 <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

<400> 5944	
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cagttgagtt gcatgtgtct aaactgacgg gcagtggctt aggagaggag aggaaaggag	180
aggacaaagc aaatgaatct tttggtgaga ttgttttttg tttatggttt gttttggttt	240
ttttgttttt tgcccagttt gttttggtgg gaaaaacaac tgtgagctgc ctagcatatg	300
taaatttgta gtctatatatt 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
cgcggaagagt taagggtcatg aatgaaaaac tgcagcactg catggaacta acagacctaa	180

tgcggaatca cctcaatgag aagcgagcac tccgcttgga gtggatgac gtcacacctca 240
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<210> 5946
 <211> 526
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (376)..(376)
 <223> n is a, c, g, or t

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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 caggggtgcct tgctgagcaa ctagtccttg 300
 gccatgcatc caggaaaccc caagaacat gctgcttttc ctgatttagt aatctggagg 360
 gaaggttcca ctgcangctg tcccctaccc tcaccctggg cctgtgcccc aagggtgcct 420
 tgtggggggg ggggggtctca 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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 ggcaagacgc aagattatgt tgttggattc accgacctag gaaatacaga tgacttcact 180
 acagaaactt tagaatggag acttggttgt tctgatgtta tcaattacag tggaaattta 240
 atggagccac catttcagag ccaaaaagaaa tttgggacaa actttacaaa gctgga 296

<210> 5948
 <211> 313
 <212> DNA
 <213> Mus musculus

<400> 5948
aggcttggac ttggccatgg ccgctcctgt ttggaggtgt gcacgtgggt cccatgtccc 60
cagcaggcag gcaccttcag tccgtcttaa cctcacctc caaatgttca acggcagaag 120
ggtttttatg attttaaat attactgctt tgaaataaat ggacgtttga gccacgtgcg 180
gccatgcatg gtctgtggag agtcagcaga actgtcgcca ggcccagccc gccacacgcc 240
ctgggaggcc gggcccagca cccaaccagc gccggcctcg ggaccacaag ggtgaccagc 300
agaccagga 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 tattgtctgta gctgccacca ataacttgta tatattccag gacaaaatta 120
attaagaaaa ctgactggag gaccaagtgt tgtcttgcag atgtacgccg gtcaattagt 180
tttcctgtca aaaaaggcat tgcctctcc attgagaata gtggcgact tctacttccc 240
taatagatac aggagaagaa gggctctcag ctggagtcgg aagagatgag tgccgtgct 300
gaagggaata 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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 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

<220>
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 <222> (118)..(118)
 <223> n is a, c, g, or t

<220>
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 <222> (269)..(269)
 <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> (328)..(328)
 <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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 <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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 <223> n is a, c, g, or t

<400> 5953
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 ggagcaaatt gtaatgaaat tggatagtga tgttctaacc ttccctatgt gtatattctg 180
 caatttcctt tttgtaaacc taggaaatgc agaaaacaag taatcttatc aattattaga 240
 ctgtaagcat tttaacaagta ttgaatggnt catttaatat gaaggctgtg taatgactac 300
 agtgangaag accaaaaaca aattcaanat tctttggagt ctagtaccac cagaagtgan 360
 tgcttcntc catcacctta tttcatgta tttctgaagn aaacctttac ttccaacaaa 420

gtattttgtca aatcaaataa acctaanttt ntgattttaa 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

<220>
 <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

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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 ttncnnntg aggnnttggt ctggggccca 360
 gacctgagtg aggatcactg caaccttgtg ctagactatt gactgccgtc ttgtgtggcc 420
 at 422

<210> 5955
 <211> 328
 <212> DNA
 <213> Mus musculus


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<400> 5955
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gagttcattt tagtgggtccc cctcaaagcc catgtgtaga cgtacagatg tgtgtctgct      180
gactagagggc agaaccggat aaagagagcc aaatgagagc ttagggattc tagaagtcct      240
gccaggtagt ttgataagaa tgcctaccca gtgccccccag gcttacatac ttgaattgct      300
gagtcacag ggattacggg agaggctt                                           328

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<210> 5956
<211> 368
<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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<220>
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<223> n is a, c, g, or t

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<220>
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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>
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 <222> (342)..(342)
 <223> n is a, c, g, or t

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 ttagtaggct caaatgttca ggaagcgcag gattggaacc ctcttcctgg acatgctggt 180
 gtgtcacaag cagaggcctt gaagagatat gctgcagtgc aagtgcccat tgctgttcct 240
 gcagatcana cattccagag acctgcccc 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 cattttaaata tcgaagatct 120
 tgaaaaatta accatgatat ttagaaccag ctgctagcta acaagaatga tgtaactgag 180
 gaagacagaa gaggaatgct cctcaccagg cctgggtgtt tcgccagtga gagtccatgg 240
 gtgactgatg actaagtgtg taacttcctc agacacagac aagccattac cccagcaaga 300
 aggaagctct tacatccaga acctcagaac acaggatttg aggggaaaat gaagtcttaa 360
 actgaaatth gaatggatat tggggaaaat gtaattacct ttattctttt tgattggtta 420
 ccaccaacac aacccaaaact taagaaaatg gtaattgtgg cctattgtaa actctgtcat 480

<210> 5958
 <211> 182
 <212> DNA
 <213> Mus musculus

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<400> 5958
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cagaggatca gcgagtactc tgaggccgcc atcaccatca ggggcaccta cttccctccc      120

ggcaaggagc ccaaggaagg agagcgcaag atctacctgg ccatcgaaag tgccaacgag      180

ct                                                                           182

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<210> 5959
<211> 581
<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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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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<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> (349)..(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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<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> (535)..(535)
<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> 5959

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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 cctcgtncc acatctgttg cagctcgtnn tctcgatgtg	360
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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

<220>

<221> misc_feature

<222> (379)..(379)

<223> n is a, c, g, or t

<220>

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<222> (543)..(543)

<223> n is a, c, g, or t

<400> 5960

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aaaccgggct ccggaggaga aaggggcagc ctggctttgt ctccccctt gaacaagctg	180
aagctggtgc actcaaact ggaggaagac cctgaggagg tccgggtgga gttcatcaag	240
tatttaaaaa gcatcatcaa ctccatgtca gagagcagag accgagagga gatgctcatc	300
atcacctagt gtccagtg caccgcctcc caaaggacgc tgactaacc caccagccg	360
ctgacgcacc cttctcctnt agaaggctcc aggaagatca ggcattggtgc cacacacctg	420
tgatcccagc tctcaggagg ctgaggtggg aggaggggtg agagttcaag gccagccctg	480

gctgcatagg agcgcttata tcctcccttc tccagaagca aaaagctgcc ctgcttgcct 540
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<210> 5961
 <211> 501
 <212> DNA
 <213> Mus musculus

<400> 5961
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 ctggagaaga agtcttggcc cagtacttac agcagcagca tcctagagtc ttgagttcgt 180
 cacatctgct gctgactccc tgcaaagtgg ctctccata cccacacttc ttctcaagct 240
 tcagtcagaa agggctggcc atggacagta cccccaaggg cgcagcagta cagagcatcc 300
 ctgtgtttgg ggccttgctg tcaacttcat ccttgcaccg tacgctggga gacttggtg 360
 aagagctcag cagacttgac ctgcggcgct gggctagctt catggacgct ggcgtggagc 420
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<210> 5962
 <211> 399
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

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 ataaagataa taaagttcct ctctgctctc ctgagaggat ggccctgtaa ggtagcctga 180
 gacaaacctg gggtttgaaa ggtgacctgg gagaacagct ctgttcaatg tgcagcagtt 240
 tacaaagaca gctcatcagc tgatgatgca ccattttata ctctgaataa ttatttatta 300
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 atttattctg tattgataaa agtctgtctt ggcactaca 399

<210> 5963
 <211> 530
 <212> DNA
 <213> Mus musculus

<400> 5963
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 tcaactggaac ccccatctga gaagccctgg gagcggcgcc aagcagagat gaagcgctta 120
 tatggcaaca gtgctcccaa gatcctggcc atggagactg ctgtacagct gagctttgac 180
 aagcactgtg acagaaagca accaaagtac tggcctgtca ttcccctgaa gttctgagtc 240
 ctggggcaccg ggaccctagg gaatgcatca cagttcctag cctctccctc ttcattctctt 300
 ctggacatttt ttcagagaaa gaggcctgta taccaacatg gtggatacag tctgtcaaca 360
 ggagagaggt atactgttgc caacacaagg aatgttctact gacaaagtga taatttatgt 420
 attgtactgg ctcttggttt tctctttaac agtccagttc attgaaatta ttgcctagca 480
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<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>
 <221> misc_feature
 <222> (88)..(88)
 <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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 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>
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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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cggctagctt ttgccaacgt aagaaatagc tttccctaca agactgctgt tgctcagtat 180
gtttttccca ttccaattct tcaacttaag aacagcctac tgagtgtgag ttattgtaat 240
attccctgag ggcattgcctc 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 tgggtgcatag tcacacaca 509

<210> 5966
<211> 106
<212> DNA
<213> Mus musculus

<400> 5966
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<210> 5967
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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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 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
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<210> 5968
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 <212> DNA
 <213> Mus musculus

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 <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 aggggaattca gcctccgagg gccagagggg aagcaagggg      480
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<210> 5969
<211> 475
<212> DNA
<213> Mus musculus

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cgacaccatc cccctgaat acaggcatct cttggataat gatgggaagg acaaaccaga      180
gaagccaccg actaagaaaa cagagaaacc tgatcaggac cgggacccca ttgatgccct      240
ctcagaagat ttggatagct gccctcaac tacagagacc tcaaagaata cagcaaaggg      300
gaagagcaag aagacttcaa gttccaaagc atccaaggac ggagagaaaa caaaggactc      360
ttccaagaag acagaggaag tgtccaagcc aaaggctaaa gaagatgcaa gacacagtta      420
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<210> 5970
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<213> Mus musculus

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<223> n is a, c, g, or t

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caaagtgaac atgaaatatt tagtgtgctt tccaacatgg agattacttt tctatatttct 180

aa 182

<210> 5971

<211> 495

<212> DNA

<213> Mus musculus

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atcctgatgc tgtggacaca gggagcagtg agctgcctgt gctctttgag ctggggggaga 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 aacccagtg gagcacagat 360

ggaacttgggt cctgggcagt accttggatc aggaggaaga tcctgagggc tgcatacctg 420

ctgcctttac cccagcccca ggtctactct ctggtcacag cttcacagcc acacttggac 480

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<210> 5972

<211> 426

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (366)..(366)

<223> n is a, c, g, or t

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catgtcgtgt tccacttcaa cgaaaaccag gatgacgatt ttgcctacaa gttcctgaga 180

gtccggagaa gtcttcgtca gaaatatacg ctgaaatatt tagtagacct ggagatgggc 240

cgtacgcttt gcgggaaata tgatgaagac attgacaatt gtccattgca ggaagggtcca 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 cttcctttct tttctttttt attaaacagt 120
 gataagattt tgttaccaag cagcatttga taaaagggtc actggttttg gt 172

<210> 5974
 <211> 396
 <212> DNA
 <213> Mus musculus

<400> 5974
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 caggtgagga tgaagacgag gaagataatg atgctttact aaaggaaaat gaaagtccag 180
 atgttcggcg agataaacct ataacagggg agcagataga gtcatttgcc aacaaacttg 240
 gtgagcagtg gaagattttg gtccttacc tggaaattaa agactctgat attaggcaga 300
 ttgagtgtga cagtgaagac atgaagatga gagccaagca gtccttggtt gcctggcaag 360
 atcaagaagg agttcatgca acaactgata acctga 396

<210> 5975
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 5975
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 tccggtctca gacttcaggc atctccctcc caggtgtttt agtgggaact aagacagacc 240
 tggctggccg acaaacagtg gattcagctc aggcccaggt atgggcaact agtcaaggcc 300
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<212> DNA
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 <223> n is a, c, g, or t

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 ggggcttcca gatgatctac aaatcagtga ccttgccagt gctcaaaatc ggaagcatgc 180
 tactggaaac acctcgaggg aagatccagg ccaaaaagtg gtcccgggtg nccnttntct 240
 cataccagtc ttcgatatcc tgcaggactg cacacaaagc ctgtntgagc tctccctgga 300
 ctgacccctt tngnactgca gnacctangt cnaactgcag ggggcaggag agtccancaa 360
 nccntcctcc ttncgccngg ctagcactct ggtcagggtg cccctttatt ctgctgcaga 420
 gatcttaaac acattggatg gagttggaag atgaacgcag gagaattatt atgccatgat 480
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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

<400> 5977

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tttttgtctg tgctggnatg gcagcaagcn ttctgccagc tgagntaccc caccccccta 180

gcctgttggg ggtttttgag acanggcctc acatgggcta nactggncct gnaactcccc 240

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gaggagccat ctgaccctng acntcatgag catcntatnt cctgcccgga nctgnttntn 360
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 cttttagaac ttcagtactt gggacgagta aggtggctca gtagctaaag gtgctgccac 480
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gacgtcatga gcacntatn tcctgcccgg agctgnttnt nctgggcctg gncnncgncc 360
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 tgggacgagt aaggtggctc agtagctaaa ggtgctgcc acaancctga tgttcagtct 480
 ntncaatcca cgtggtaaaa ggagnttccc ctgatctcca cacgcacatc acccattttg 540
 ataa 544

<210> 5979
 <211> 150
 <212> DNA
 <213> Mus musculus

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 gtagtgtggg ttctcgggtca tccccaccag 150

<210> 5980
 <211> 344
 <212> DNA
 <213> Mus musculus

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 ctttgtcatt caaaccagaa accgtacttg agttgtaaac tagacagtga gaaaacactt 180
 ggcttctgct gtatgttggt gtcacgttta cccagtaact tgaatattgt ttaatgtgct 240
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<210> 5981
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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> (449)..(449)

<223> n is a, c, g, or t

<400> 5981

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atatgttaat ccaagcaatg tgtcacttgg ctgagaaatg aggcatttaa atctgtgtgt	180
ggagatgggc caaatgagta actagtgtgt caccagaaga cttggttttc accatggtn	240
cttatgcctg aagttatgtg aacattctag ttgnttaggc ttccaagtgg caagtattaa	300
aactttagcc catgagagga tgtaagacc tgttctgaaa atattttgac ttcttgatt	360
caaaaagcac ttagctctct ttctctctca gtgctttaaa atgtcattgt gaacaactnt	420
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<210> 5982

<211> 308

<212> DNA

<213> Mus musculus

<400> 5982

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cgctgctctg agatgtctct caagccctcc ctggtgggtt gcaccaacc tggcctcccc	180
gagctcacgg cgacctgcct ggcccgtgc cagggcactg gcttcaagga ggagatggct	240
gctaactgtc tgctgtgcgg tggctgcacc atgctggatg gtttccccga gcgtttccag	300
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<210> 5983

<211> 448

<212> DNA

<213> Mus musculus

<400> 5983

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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
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gcaccaccct tgcacacatg tggggccacaa gaccgagaga cccctgcccc aggagccaca 180
tgaaacacta gaccacctga gcaccgtaca agagcctcac cgaataactg cccgtcatca 240
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>

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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> 5985

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gctgcagcaa cggatgcaca ggctgctggc caagcagaag gagctcacag aggagctgca	180
gtgctgcgag aaggagctga gggagnnnn nnnnagcnnn gnnnnngnnc nngnnnnnncn	240
nnnnntnnnn nnnnncnaga acatgttttg gatgtggaag cctatggttt tcttggtat	300
tgcagcagta gctctgtatg tgttaccaa tatgcgaccg caggaatcag aatactacat	360
gaagtgatgg cagacctgga ccagcccaga gggcanatcc ccagaggcta ccacctcac	420
ctttgggcag natacactgt gccagagccc caaccacct 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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tttagccaga tttaaattct cagaagacat cagaaacttc atactggtga gaaaccttac	180
aaatgtatgg aatgtgacaa gtcctttact cataactcaa attttagaac acatcagaga	240
gttcatactg gagagaaacc ttatagatgt gccgaatgtg acaaactttt tactaggtgc	300
tcctacctta gagcccatca gaaaattcat actggagaga aaccttaca atgtatggaa	360
tatgacaaac ccaataccca ggactcaaat cttaaaagac atcaaagagt tcatactgga	420
gtgaaacata cttttttaaa taatgtaaca tagtatttat ccagtattct atctgcttat	480
aagtcac	487

<210> 5987

<211> 486

<212> DNA

<213> Mus musculus

<400> 5987

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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
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<210> 5988
 <211> 538
 <212> DNA
 <213> Mus musculus

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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> 5988	
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gagctggcca ctgccctggc cctggccagt actccagaga gcagttctca tacaccaact	180
cctggcacc agggnccatt cttcaggcac ctgcccaatg tcctctggtg tccagtcagg	240
gacacccatc accaagcatc 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

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<210> 5989

<211> 156

<212> DNA

<213> Mus musculus

<400> 5989

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gaagaattga attcgatgac tcttgctgaa gtagta 156

<210> 5990

<211> 450

<212> DNA

<213> Mus musculus

<220>

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<222> (385)..(385)

<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> (415)..(415)

<223> n is a, c, g, or t

<400> 5990

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ccgtctgtgg gaagtgcagc agcaagcggc ccagttaccc cgtcatgggt tttgagttcc 180

aggttcgagt ttgtgattcc tgttacgact ccatcaaaga tgaggaccgg acttctctag 240

caacatttca tgaaggaaaa cataacattt cccatatgtc catggacatt gcaaggggac 300

tgatgggtgac ctgtgggaca gatcgtgttg tgaagatatg ggatatgact cctgtgggtg 360

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cacgtgatgc atagcatcct ccatgaatgg 450

<210> 5991
 <211> 515
 <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> (472)..(472)
 <223> n is a, c, g, or t

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 tgaccagatt gacaaggctg tagctatcat ccctcgaggt gccctcttca agaccctttt 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
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 cacaggagag aagaacatgg acttgccctt catgc 515

<210> 5992
 <211> 425
 <212> DNA
 <213> Mus musculus

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 cacagcttct acagcatcca gagaatctgg cctggattga cctctccttc aatgacctga 180
 ctaccattga ccctgtccta acaacattct tcaacctaaag tgtcctctac cttcacggca 240
 acggcatcca tcgcctaggg gaggtgaata agctagctgt cctccctcgt ctccggagcc 300
 tgaccctcca tgggaacccc atagaggaag aaaaggggta caggcagtat gtgctgtgca 360
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ctgaa 425

<210> 5993
 <211> 338
 <212> DNA
 <213> Mus musculus

<400> 5993
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 tgacttcatt tcaggtcaaa gagaatatct aataactttt taggcaaagt atttctgttg 180
 gggaaagtgt ggccctgtgtt ttattcacgt tctattcttg acaacaattg aggtccaca 240
 ctagagaatt agtatgatta tgaaaatcat gtgaaaactt tcatgcaatg ttcaaattctt 300
 aaataatgtc aactatTTTT tgcttgaaga aactctga 338

<210> 5994
 <211> 88
 <212> DNA
 <213> Mus musculus

<400> 5994
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 ctgagactcc cttagagacc ctgggaga 88

<210> 5995
 <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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<222> (377)..(377)

<223> 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> (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 tgacagtggg cctggcgata gcaacctgat agggggccctg agggctctgg 180

caaccatcct ggagcgccga cctgcgggtgc tgcgcctgtt gctcctggca gcatttgccc 240

tggtggtgat cctgtttcac ttctgcttg ctccattcac tgccctcttc cacaccact 300

tctacgacag gctgcaggac tcaggntccc tgctggcctg aactctacct ntantctaga 360

gctgataagg tgntctncgg ccagggatgt ggaacgtatg gtagaggcac gcctgggtca 420

ccaggtcattg gtgcgtggag tggactttgt ntcatttgcg catntcagcc acctccgaga 480

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<210> 5996

<211> 470

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (268)..(268)

<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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

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<221> misc_feature
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 <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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 <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> (443)..(443)
 <223> n is a, c, g, or t

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 cctaaagatt ccaaatagtt gcaccagtt ggttttgatc aaacttaagc tccatctggt 120
 ggagatttgg cactgtgatg gactcgttat attggaata aaagaacagt aactctgaaa 180
 gtaaagaagg caaatccaa gggaaaagac caggcctaca ggaagaaagc aaggactggc 240
 ctctgcctct gttctgaatc aggagctntg cncagtgggt ccagttctca gagttgtntg 300
 aagntcctnt ntccacctg cacaaccaga gantngtat 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

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 atggttggac agtctgcca gagcccttta tcccagggtc caagacactg tggccgggctc 180
 ctcattctgg acctgcccc gcgtgtcagc tcaggaacct cagctctacc tttctgagga 240
 ctctctcgtg agcagccacc tacccttcat ntccagggcc accatcccaa ggccacgggg 300
 aggcctcaga accttcctgg ac 322

<210> 5998
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 5998
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 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 aagaagtga agcgacagct ctacaacaga agatagcggg 360
 agtaacacca atgtgacca 379

<210> 5999
 <211> 327
 <212> DNA
 <213> Mus musculus

<400> 5999
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 aacccttcc tcgatgtgca ctttgcctca ttaatatggg aacacctgtt tctagctgtc 180
 ctggtggatc caaatcagat gaaaagggtg acttgagcaa ggacaaaaag ttagctcagt 240
 ttaacaactg gtttacctgg tgtcacaact gtcggcatgg tgggcatgcc ggacatatgc 300
 tgagttgggt cagggaccat gcagagt 327

<210> 6000
 <211> 237

<212> DNA
 <213> Mus musculus

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 cticcatccac ggaggattgg caggggacaa gttctttgat gatctccatt gcattgatat 120
 aggtgacatg agctggcaga agcttgggtcc caccggggct gttccagtcg gctgtgctgc 180
 ccatgccgcc gttgctgtgg gacaccatgt atatatgttt ggaggtatga cagccac 237

<210> 6001
 <211> 249
 <212> DNA
 <213> Mus musculus

<400> 6001
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 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>
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 <223> n is a, c, g, or t

<400> 6002
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 tgaaattcaa gcaactttgc gagagcagag gatactatct ttgagacaac aaattaagga 180
 actcgaaaag ctgaaaaatc agaattcctt catggtttga agatgtgaat aattgcacat 240
 gatctcttag aggaactgta aatctattgc ccagtcataa cattttgagc tgcatttaag 300
 tagactatgg accgttaagc tgggcaaattg aaatgacaag gggacggggt ctgtgagagt 360
 caattcaggg gaaagataca agattgatct gtaaaaccct tgaaatgtag atttcttgta 420
 gatgtatctt cacgttgtaa atatgttttg tagagtgaag ccatgggaag ccatgtgtaa 480

cagagcttag acatctgaaa ctaatcaatg ctgaggtggc taaataccta gcctttttaca 540

tggaacacctg 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 tgggtgtgatc 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>
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 <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>
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 <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 ggcattggtg agcagcagtt acacccttcc cttgagttga aagccagaga 120
 cnnnnnnngnn ntntnnnnnnn tgctgctgct gctgctgnct gctgctgcgt tgctgactct 180
 cagcttccca tgctcaggtc tgggggacgt cttttcttat gtgtgtctta tttttaagtt 240
 ttgttatctg ggtactggac atctgcctgt ctgagcccca ggcccatctg tctgtccaca 300
 gcccactttt caccgtcact ctctgggcac ctctgagat ggttccacaa ccgtgccctg 360
 ttggttctca gaacaggggc caatgattgt tccccctgcc aggaaatgca ggttcaactg 420
 ctaaaggagg cagaggggtca gagcttggtg gtttatcttt tccttgtttc tccttgtttc 480
 tgtttttagaa atgaagtntg ggggttttaa 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

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 gcatcaggtg tgatcgaga cagccctgga cactgggaca cagaagtccc taccacagaa 180
 ctctaggca gtgtggaatc agtcttgac aggctgcaga ctgccttcca agaagctctt 240
 gacctttacc gcatgctggt ctccagcagc cagctgggtc ctgagcagca gcaggcacag 300
 accgagctgg cctccacctt ccaactggatc ctcaaccagc tagaagccag caactgtatg 360
 gctgcagcta acttggcccc accccagaca ctgcctagcc cagaccctct gtccctacct 420

acactttntc ccctggccag cccaaacctg caggccctgc tggaacta 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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 aacaccacgc agactctcag ctgctctgct ctggctagcc aatacatgca ctgtgtcaac 120
 catgccaaac agagcatgct ggagaagggg 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
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 actgtcttct gtgcaagaat gtctacgccc acccccttgt ggagaagggt gggccagcct 180
 gcagtggaga aaaccacctt tacgataatg atgtgagaca gaccagagga ctgcggttac 240
 tgtaggagcc tctcctttct atgtcattag cttaggctgc acgggctact tcattcatgg 300
 tgggaaagtt aattgttata attggggaaa tactgcaaat tttatctttt gtttccaggc 360
 atttatactt tgcccagatc aataaagcag aaaaagagag gattgagtag catttccaaa 420
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<210> 6008
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 <223> n is a, c, g, or t

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 ttcagattcc ttagagctgt aacctgagac agttgaaggg cccatagttc atttgggagg 180
 tgtagatagt agtgaagctg aggaagcctg gaaaggaaag gtgtacagag ggtgtgctgt 240
 caagctggct aacctgcag 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
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 acaccatcgt ctgtanagca catggggagt ggaatggcac cttggagttc acctacagca 180
 acggggagac caaagtcacg gacacaacca ccctgcctgt gtatcctaag aagcttagac 240
 ccctggagaa gcagggggccc atggagtcca ggaacctctg gcaggaagtc acccactacc 300
 tgaggcttgg ggacattgac gcanccacag agcagaaacg acgcctggag gagaggcaga 360
 ggggtggagga gaggaacgg gagacccttc gcacaccgtg gcgacccaag tatttcatcc 420
 cggagggcgga tggctgggtg tacttcaacc ccctntggaa gacacactga tgggcggagg 480
 tgcagtgcctt cccgtaatag gcctgggtt 508

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 <223> n is a, c, g, or t

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 accctctttt caagctggca ccagaatcct tgcttcagcc ctttctagac ttttttgact 180
 gctgtgggtt tgccgtcttc ctttcctca atctggactt ggggagaaac caaacagact 240
 tgtctcctgg ctgaagactg actgtcttcc tctcccctca agtcctgtta tcttcccacc 300
 accttctcc tgggcctgac agggggagaa caactaaca acactgaact gtgtagccac 360
 tgggtgcaaca tgaccttggt gcctcag 387

<210> 6011
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 6011
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 ttggaggtag cggcataatct acctctgtcc tagcctccgg tgccgctgat aacgcactgt 120
 tcacaccag ggatcagctg atgaaggaag aactggagca gtttcaatcc cagagattta 180
 ccctgggaaa aattccactg aagccgccac cggtcgagct tctgactgta taaaggtcag 240
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<210> 6012
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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> (471)..(471)
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 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 tcctctctc cagctctnca aagagctttg 420
 ggaactggga gttgacgttc ccacactcag cctggtttta agggacttct ntcccnntg 480
 gtggaccagg acggcttcta aaggacaatg aaaacctaga gtcaccttc atc 533

<210> 6013
 <211> 271
 <212> DNA
 <213> Mus musculus

<400> 6013
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 ctggacaagc agcctatcct ggagcggtag 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
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<223> n is a, c, g, or t

<400> 6014

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gcttattttg agagcaagtt caaccctca gctgtctatg aggaccaca agatggctcc      180
accggtttcg gcctctttca gattcngac natgaatggt gcggccacgg caagaacctc      240
tgcagtgtgt nctgnactgc tttactgaat ccaaacttaa aggatacgat ccagtgtgcc      300
aagaaa                                           306
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<210> 6015

<211> 230

<212> DNA

<213> Mus musculus

<400> 6015

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aaagggcaac gccatctggc tcacacactg accacacact agatctcacc tatacaagta      60
ggcaatactt cagattttta catatagaat ggatttaata ctgtctggaa ttgtatttga      120
tgaattgctt ttttgattta agggcacaag aagccagcat ttttggtcac tagctggaag      180
gttttgttca tttatacttg aaatagcaca gactatctaa aaggcttgag                230
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<210> 6016

<211> 273

<212> DNA

<213> Mus musculus

<400> 6016

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agaggcctct gcatggtatg agctcttacg aagcgttatg taggactgct gcctcccca      60
ggtgagaagt tgatttttaa ctcgatcaa cccacaggag tacctttgta ttggcaatat      120
tgaaacacat ttagaaaggt tcctggctga gattggctct agaacttgct gtcgtttgta      180
atttactgtt ttcttattga ttgtggtacc tctgactttt cttctctagt atgattcctt      240
cagcatacaa gttactctta cacacatagc gaa                                           273
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<210> 6017
 <211> 323
 <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> 6017
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 aagantgtct aaatgtatatt atccagaatc tcctgtggga aaagaacgtg aaaaacaagg 120
 acggccactg catggaggtc attcggctaa agggactggt gtctatcaaa gacaaaccac 180
 agcaaattgat tgtgcaaggc atccatgagc tgtacgacct ggaagaaagc ctagtgaact 240
 ggaaggatga tgcggagaga gcgtgtcagc tgggtcttcat tggtagaaat ttagataagg 300
 atgtttcttca acaactcttc ctc 323

<210> 6018
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 <212> DNA
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 <222> (33)..(33)
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 tgaagtcctg cggcagacca aggaagagat catcacgccc ccagcggaag gcgtgtatat 180
 ttacgggctg tatatggatg gagcatcctg ggacaggcgg aacgggaagc tcacagaatc 240
 caccacgaag gttctcttca cgcagcttcc tgttctgcat atttttgcc ttaactccac 300
 ggcgccaag gatccgaagc tgtacgtgtg tcctatctac aagaaaccca ggcggactga 360
 cctcaccttc atcacctgg tgtacctgcg cacggtgctg tccccgcatc actggatcct 420

gagaggggtg gccctcttgt gtgacatcaa gtaagttcat ctctatctgc cgtgggcacc 480
 aggagagcca cacagaaaaa agcttgccac tgagaaactc agacatgctt atgtctcctg 540
 cctgataggt gcttcattac cctccctcaa ttaaacagtt g 581

<210> 6019
 <211> 466
 <212> DNA
 <213> Mus musculus

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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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 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 ctatttatatt aagttctgta tgtccatntt cttctgagtg tcctagcatg 360
 gnttctaate atttntggta cagcatagct ttatttcctt gcctgtactc caaaggaaca 420
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<210> 6020
 <211> 117
 <212> DNA
 <213> Mus musculus

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 <222> (34)..(36)
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 <222> (44)..(44)
 <223> n is a, c, g, or t

<400> 6020
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 ttgtaccttt atgagatggt ttacattttc ttactggcgt gctttggtac tagaact 117

<210> 6021
 <211> 400
 <212> DNA
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 <222> (73)..(73)
 <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> (303)..(303)
 <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> (342)..(342)
 <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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tctccatgga gtttctgggg acactgtagg ctggtaccag gtacctgttg acccctgcgt	180
ggctcacagt tggatccatg agttcagaag tcagaagata gctgctgac acttgacagga	240
acatgacctg gccctggccc tccccctgac tgtttcctgg ggtnttatac ctatctttct	300
ctntgttgga tcctcaccca ncagcctcgg ggacaagctt cncctctgagt ggganggtgg	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 tcctaattgga	120
caatgaattc agaaagactc ctgggtcacc agttggcttg cagagctgag tttgtctagg	180
agaaatcacc agtatttagt aaattccttg ctgtagtggt cattgggtctc cttccttctg	240
agcccaacta gaggagtaag aagcagtga 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	
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gcctgacacc caaattcatt gatgtgcca cctgtgtgta aatgctcaac tacacaccta	120
gccccagcaa caacaggctg ttgccccag cacagagtca agatgacccc tatctctcta	180
tctatgatcc tcctgtgcca gacttactg ttatgaagat ggaggtccct agctctgtca	240
ctgaatacaa agtctcaaca ctagactctg ccagcatcct tctgatggtc caagggacag	300
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<210> 6024
 <211> 528
 <212> DNA
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 <223> n is a, c, g, or t

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 gctgcaactg tctgcagaaa aggccaaggt tgacagtcgc cttcagaata tggacttcct 120
 aaaagcgaag gcagcggagt tccggtttgg aatcaaagct gcagaggagc aactttcagc 180
 cagaggcatg gatgcgtctc tgtctcatcg gtcactagcg gcactttcag agaaactctc 240
 ggagttaaaa gagcagacta taccctgaa 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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<210> 6025
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 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<220>
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 <222> (244)..(244)
 <223> n is a, c, g, or t

<400> 6025
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 tatgacagcg gtcgttaagt tcacggacta cggcaactat gaagaggtgc tactgagcaa 180
 tatcaagcct gttcagacag aggcattggg 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
 <213> Mus musculus

<400> 6026
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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 tgggtgtacac caactcatcc aacaccttgt actgggagct gaaccaggcc 300
 gcgttgtctg tcttcctga ggagcgtgag gtgctgatac cccacacga agtcttcttg 360
 gtcactgggt tctcccagga tggagcccag agcatagtga ctctctcgag ttatgatcag 420
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<211> 579
<212> DNA
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 cttgggtcact ggggttctccc 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 ntctaggag ccacctgtcc aaccagagtt 480
 ggagatctga gnccatggca gggttgaggg aacccacag tgtggtggga acttcctagg 540
 acatgcaagg taaagactgg atggctactc aattaaaca 579

<210> 6028
 <211> 435
 <212> DNA
 <213> Mus musculus

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 <222> (246)..(246)
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 acccacaggt gggtaagcca aaagtaatct tcttctccga tgtacagaga tatcttgtac 120
 atggaaatgc atcttcaaaa tgttcccaag aagataaaac tacaattact gaagacatag 180
 ggaatctgtc cttgaaggaa tctgaaagct cgctaacnaa anacnatatc catgaacctc 240
 accttntcca aaatccaaaa gtaaaggaaa atttntctga gnaaaaggag taaattcanc 300
 ctcgagtgat ttgattnttt catagaacta ggcaacagca tgttttgagg gtttgtggac 360
 ttcacttatn tcggtgtgta agtnttttga tttgtttctt tatagaatnt gagactttgc 420
 tttatgtgcg tgaat 435

<210> 6029
 <211> 448
 <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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 gttaacctct ggatctacga gctgaggaag aatatatcgg ttcccatcgg ctggagctat 180
 ttcattgggt ggctggtgct catcctgtat ttcacttgtg ggattctttg ctacntcaac 240
 cataaaaact actggantnt gataatgagc agcaccacca tcaacactgc ttgcagcagc 300
 ttaggnccag antntctggt gantccctcc cagaccccn ancanccagg agaacagcca 360
 ggantntcct aaggatgacc aaaagccntc aantccagat aaagtantnt caccacccca 420
 gccagacacc actggctagg actttcct 448

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 <211> 373
 <212> DNA
 <213> Mus musculus

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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

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tggagctaca	gaaactgttc	caggcacagt	gaggcctgca	ccactcagga	gctctgtcaa		180
aggctgttnt	cagagaggat	accggacttc	tttctttgat	ttttcagttt	ttaaaaacaa		240
gaactaacia	aaacaattgc	tgctagactg	gggggtgatt	atgaaatggg	acaatctttt		300
atntacagag	caagtgtctt	ggagagtggc	cgttgataaa	gtgaagctca	atgtttgaat		360
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<210> 6031

<211> 344

<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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gcgacangca	gcggcacac	cccgggtgag	gcggcagcca	ttgcctccac	cgccatcatg	180
gttccctgtg	gcctggtttt	tatcgtcttt	gctgttctact	tctaccgctc	cctgggtcagc	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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<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> (441)..(441)

<223> n is a, c, g, or t

<400> 6032

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acaagccatg ccagagaatt tacagacaaa cctgggagac agccacgact cttcagtga 120

acaacactac ccaaaattgt gctagaggag gaaagcatcc cacaagcaca gaaaagaagg 180

caggcacacg agagagaact gctccaaatt aaagatcacc gggagcgcac gattcgaggg 240

agggaacttc tacagcaaag gctcaaagac agaattctga gaaaaagccc gagtcagatc 300

ccanttcctg agaagcgtga tcaagtgaag aaacagaaaa aagagtttga gaaggtagtt 360

gcataccac 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 aactgggtgc 240

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cagtcttttaa atttaccacc gttatcaaga tattatctag ttagttcctg ctacacacaag   300
cctctgactg acccatnctg atgacacctg ttggtatcag ggtatcagca ctgcagatca   360
gctctggacc tagtgacatc acatatcgct gacaggaa                               398

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<210> 6034
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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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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
ctcgactggg atgacagcta gccaccagg gctgagcctg cgcctgcgcc tgtgccttgg   420
acgcaccacg tgccagcatg tgtctcatcg gctgtggagc tgtgtaaggt ccaagggctg   480
ggaaaacacc gcccnaagc caacctttgg aacctctcag gacctggaaa tacatggatt   540
gcaagtgccc ttca                                                         554

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<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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<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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 tattcccagt ggactgcatt aaatccagaa tccaggttct ttctatgttt gggaagcctg 120
 caggattaat cgaaaccttt ataagtgttg tgagaaatga agggatatca gccttgtatt 180
 ctggattgaa agccactctg attcgagcca tcccttccaa tgctgctctc tttttggttt 240
 atgagtacag cagaaagatg atgatgaaca tgggtggaaga atactgaagt gtctattgat 300
 gagtccttgt ctgagcacat gaatgagagg accacagctc tacatgtcaa agagttnaag 360
 accaacaatgg agttagcttt gactgggaat ttcgggtttt tcttcccttc ctcaaattctc 420
 ataccttgtg gaganatctt tatntcatat gggttnttcc tgcaatccta ctgaaatagg 480
 aaaatcacta gttttgctgg tgggtgggatn tacagggtga acccaagact ctatgta 537

<210> 6036
 <211> 485
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (137)..(138)
 <223> n is a, c, g, or t

<220>
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 <222> (141)..(141)
 <223> n is a, c, g, or t

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<222> (440)..(440)

<223> n is a, c, g, or t

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gttatttcat ggaaaannct ntagaggctt tcactgctgc ctacccaaat atacaaaaca	180
ttgatgagga tgaagaccta gaggttttcc gaaattctct gtatctatca gattatccat	240
ctcgcttaga tattgtaaga gcaaattcaa agtcacctct tcagagatca ttgtcaacta	300
agtgacatc tggaactgga cagatatcca cctgccgaac aaggaaggac caacaagtag	360
aagatgaaga tgatgaagaa ttagatgtta cagaagatga aaactaattt acacaaagaa	420
ttcacatttc tgtttttatn tcattctaact 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 ctggagggtcc	120
tgagtctcca gca	133

<210> 6038

<211> 325

<212> DNA

<213> Mus musculus

<400> 6038

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ctgctcctca cactgtgtgc cctggtcatc aggggtgtcct gtacgaagga cttccgggag	120
ctgaggcagg ggagggagca cctggtgcta gggagcgaca aggcggagga ggacagcgag	180
gaagacttgg aagaggagga ctctcggat tcgcagtttc ccgaggagtt gtccagggtt	240
tgtaggactt catatccagc ctatagctct atagaagccg ccgagctggc ggaaaggatt	300
gaacgcaggg agcaagtcac tcaag	325

<210> 6039

<211> 452

<212> DNA
 <213> Mus musculus

<400> 6039
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 agtgctcccc tcccaggagg agggggagca ggaagtggga agccctgcag cagggccacc 180
 tcaggagctt gttgaagagt cctctgctcc ccctgccctg ctggaagagg ggactgaggg 240
 tggaggtgac aaagtgccac cccaccgga gacacctgca gaagaaatgg agacagaagc 300
 agaagttcca gtcctcagg aaaaggagca agatgataca gctgccatgc tggctgattt 360
 catcgattgt ccccctgacg atgagaagcc accacctgct acagagcctg actcgtagcc 420
 ccttctgcac ccgctcactt tgtatccaat aa 452

<210> 6040
 <211> 376
 <212> DNA
 <213> Mus musculus

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 agggccccag gttcaggccc gcagctggaa gangttggag cacctgcaga gtgaccagat 120
 ggacagggtt cataccttgg aggtttccag tacagaggcc catgatgccc agaaggaaga 180
 gccctacctc ctcagctctg aagtcagtct ccagactgt ggccgtagct gggaactttt 240
 aaagaaattg gataggggaac tccagaacaa ctcccttcct aacctggaac ccagcagctc 300
 tcagttccat gcctggagtc tagggcaaga ggacctgttc cttgagggcc ccacgatctt 360
 ccagagtgac ctgtaa 376

<210> 6041
 <211> 459
 <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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<221> misc_feature

<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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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<222> (427)..(427)

<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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 ccttcacct tctgagcttg ggatcagagt tgatacaagt aagaaaagag aagttttatg 120
 acatggttga cgaggagaca agagcaaaga taataaagat ggatgtggac tatcccagcg 180
 atgaagacct gtgccagagt ttctgaagg aaaacgacta tattgtcttt cggaaggatt 240
 tgctgcagtt actggtggag cccctcaata agtcaccatt catcccngtc cagnccanga 300
 agaaagngat ntanaaccac aagtctttgt tcctggatct ntgcancctt ngaaaagaag 360
 gtgaagcagc actatcccat tttntggcg cccagaaat acctgcccc cttgagggtt 420
 ntccaancn tntcagcacc ccggcacaaa atccaagaa 459

<210> 6042
 <211> 250
 <212> DNA
 <213> Mus musculus

<400> 6042
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 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
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 ggcctgtgat gggatctggg atgtgatgag caatgaggag ctctgtgagt ttgttaagtc 120
 taggcttgag gtgtcggacg acctggagaa tgtgtgcaat tgggtagtgg acacttgttt 180

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acataagggga agtcgagata acatgagtgt tgtattagtt tgcttttcaa atgcccccaa 240
ggctctcagag gaagccgtga agagagattc agagttggat aagcacttgg aatcacgggt 300
tgaagaaatc atgcagaagt ctggggagga aggaatgcct gatcttgccc atgtgatgcg 360
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<210> 6044
<211> 439
<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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<400> 6044
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tcgtcctttg agganctgga cctggagggc gagggaccct tgggagaacc ccgactgaac 180
cctgaagcca agcttctggg gccccctcgg gagctcagca cccctgagag ggggtgaggag 240
taatgataag ccctcaaccc tcctgtggtg catttgctaa ggaactgagc aaactctcta 300
gccctcttct tccttaacct gcctagcttg ggctgggagt accaggagcc tgagttgtcc 360
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gagactgtta tctgcacca 439

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<210> 6045
<211> 521
<212> DNA
<213> Mus musculus

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<220>
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<222> (323)..(323)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 6045

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agtgtcagta aacaggagac catcatgaga catcatacac tgcggcaggc tccacagccc      180
cagagcagcc tccagcgtgg tatacccaca tctgcccgat ccatgctttc aaactttgca      240
caggcacccc aattgtctgt gccagggtggc ctcccttggtg tgccagggtgt caacattgca      300
tacttgaaca ctggcatcgg agnacataaa nccccaagtt tggcagaccg gcagcgtgaa      360
taccttttag acatgatccc tcccagggtct atatcgcagt ccatcagtgg gcagaaataa      420
cgccctgttc acttgtactg cccatccttg aatcctttac ccatttctcc cattgcccc      480
aacttccgtc gcatgcagtg cctgtactgg tgcctaccat a                          521

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<210> 6046
<211> 382
<212> DNA
<213> Mus musculus

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<400> 6046
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gtgactatTT ctgtcattac tcagctgctc gctgctaata ccccatatag tctgttctat      180
aaatcgacct tgggctatac catttctaga gaaacgcaga acctgcaggt gccttacttc      240
gtggataaaa actttgacaa ggcctaccga ggcgcttccc ttcgtgacct ggagaagaca      300
atagagaaag actacattga ttacatccag acgagttggt ggaaggagaa acagcaaaag      360
tcggagctga ccaatttggc gg                                              382

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<210> 6047
<211> 545
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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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>
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 <222> (400)..(400)
 <223> n is a, c, g, or t

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 caccagagggg ttcacacggg ggaaaggcca tatgagtgcg gtgagtgtgg gaagactttc 180
 agtcagagca cgcaccttgt tcagcaccag agaatccaca ctggagaaaa gccctacgaa 240
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 cacatgggaa agaaacccta taaatgtgga gaatgtggca aagccttcgt tcattcgtca 360
 gctcttattc aacaccanga gaactcacac tggggagaaan cctttcaggt gtaccgagtg 420
 tgggaaaagc ttcaagagca gccctccct catccgacat caaagaactc acactgaaga 480
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 <223> n is a, c, g, or t

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 gggagaagag gggctcttat ttntgatgtt caccccaaag accaggnatn tagaccctca 240
 ctgttcagca gacaggcagt gcttcccnct aagacctgna tcttgccttt accccttgca 300
 tgcctcccat ntgcttcctt ggggcccaag catccatcca tttccaaagg atagagaaaa 360
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 ctctttgcac ccttaaaat 439

<210> 6049
 <211> 366
 <212> DNA
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 ctgaaggaca tgaggcagaa cagcgtccca gtaaaccagg tggctgtccg ccagctggag 180
 tttgcagccg agtaccctcc cacctttgac cgggtacaaag gaaaaaacac ctacttggag 240
 aagattgatg gctttcgggc ttattacaag cagtgggtga aagccatgcc agcagaggaa 300
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 aaggct 366

<210> 6050
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 <212> DNA
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 catganggct gacaagacct acatgttacg agaataata tccagagaga gcaaaattgc 180
 ntnaatntaa tgcatgttcc accttcctc ttcacggaac ctaatgaaat atcacaatat 240
 ttaccaatta aggaagcagt ttgtgagaag ctcgtatttc cagaaagaat tgatcctaac 300
 ccagtggact caciaagtac gccntcaga ataaaatgtg gtacagcaga ctctctccat 360
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<210> 6051

<211> 343
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 tgataccagt gggatttaca ctgtcagtag ccggctccat taatcctgcc atcttcagga 180
 gcccgagtgt ggggaaggga gccagataca tcagatnagg actctntggc cttattattg 240
 cttccttggg ttggtgagctt tgggtgagaga gagcagatct gtttctatgt aaattatggg 300
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 <223> n is a, c, g, or t

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 atccagggtg ctaggggggtg gggagggggac acactccctc cctgccttta cctcacttcc 180

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aatgctgcct tgatctgtct gggaagaggg aggacagggg cccttagccc ctgtactccg      240
ccatctcaga gccatgcggt taattcctga cttagtttat ttttgcaaaa acgtagaccc      300
cccctccttc ccccgcccc gcatccgcga aggcttttaa taggagggga gtcaaagttc      360
aaaactgtct tcctctctcc tccccgattc tagctgtaaa tgccacttcc cgagggggag      420
ggggtgggaa anccctcccc ctgcatgntt ctggctggag cacctccctg ggacggaggg      480
aatcagggtt acaggcaacc cccgtggctg cttggagacg ctgccaaggc agggggtgcg      540
gggcggtgtg gcaggcgcac actgtatgta cctataataa accctttg      588

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<210> 6053
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<212> DNA
<213> Mus musculus

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tatggacaca tccctgtcta cacacttggc tttgagagtc ttcagagggg gccaaactacc      180
aaagccacgc caacactgag gagagatgcc ttccaatccc tgcagggacc aaagtggcgg      240
agcgtggagg aggagttccc ccacatctat gccacggct gtgtcctaaa ggatgtctgc      300
agtgactgca ccagctttgt ggctgatgtc gtgtgctcca gccgaagag cgtggatgtc      360
ctcaatgcca ctccacgacg aagccgtcag acccagtcct tctatatccc caacaccagg      420
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<210> 6054
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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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taggggtggct ggatttccag ccctgggaca ccagcacccc cttgtggcca tttctcactc      180
tgtttccaag tggcctcatt agactgcccc agtggtaggg caaatgtctc caatctgaac      240

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aaggtggaga gataactgcc ccgaagtgct ctgaag

276

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 <223> n is a, c, g, or t

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 tgaggccanc cagagctnga cagcatgcaa aacacaaaag aaagccagag aacaggctgt 180
 ttgagtcctc aatcttggca cagggattgg ctgggctctg atgttgctgt tgaaattgcc 240
 aggatactac tgaggaatnt acagaataga atttccacat aaaagattgt gcatataaaa 300
 tatntttatt atattaaata tagtatttca ttctaaatga ttggctttgg tataatatgt 360
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 cgtttgaggc tagaccagtt agagtataat atacattgca taccaaccct g 471

<210> 6056
 <211> 61
 <212> DNA
 <213> Mus musculus

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 t 61

<210> 6057
 <211> 258
 <212> DNA
 <213> Mus musculus

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 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

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 gtcctgtgcc caggaaaaag aggaaaaaca aaatacataa ttgaggtatg tggagctcat 180
 agtctatact aaggatgggt aatagattgt tttgttttta tttctgaaga aagtggcttt 240
 attttacttt ttatgaaata gttacaaatg ttgaaagtag ctcagagct ctcttcccct 300
 gatgtcaagt catgaa 316

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgctgccttt cacgatgtct ttgatcacgt gtttanncaa ntccagcatc ctttgatagc 180

agtggtcgtc tcacagtga aaattaccat gctcattctt gcactagggtg cccaaagaat 240

ctttgcaaaa atacagtttt gggagaattt atagataaac agttacaaaa gggcgtgaga 300

tatacacgga ttgttnatat aggtgatggt ggaaatgatg tctgcccagt aactttttta 360

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<212> DNA

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<210> 6061
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<220>
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<223> n is a, c, g, or t

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caaggacggg aaccagaca atgagaccta cctgcaccgc attgggacga ctggccgctt      180
tggcaagagg ggtctggcgg tcaacatggt ggacagcaag cacagcatga atatcctcaa      240
caggatccag gagcatttta ataagaagna tagaaagact ggacacagat gatttggacg      300
agattgagaa antcgccaac tgaggcgctc gcttctccat gggctggcgc caccctcagc      360
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458

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 cacgtttctc gcactatatt cacacaaaaa aatggaagaa cgtatctctc agttttcaag 180
 atntctggct aaagtttcgc agatgaactg tagagtacgt t 221

<210> 6063
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 <212> DNA
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 cccactcct gcctggtcac atgggcttct caggggactt ccagtcattt gtcaaagact 180
 gccttactaa agatcacagg aagagaccaa agtataataa gctacttgaa cacagnttca 240
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<210> 6064
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<212> DNA
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 agtcccttgc caccatcttc cagctggtga gccaggcctg cgagtcagcc atacggagtg 300
 agcctgtgac tatcagccac acaagcaacc ctagactgca ggaggtgcag accccagaat 360
 ccctggagtg agcaggatct tccctccgcc acttcaaatt nccctggcct tcccagcac 420
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 <223> n is a, c, g, or t

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 ncaagagcag agagagncct gatncccacc cacttttttt tagactgttt tcttactggc 480

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<210> 6067
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tnnnaggttt cccaagtctc cagagcagcc cagatggcag tcccganncc acggacgctt 180
cggctgnnng caaagcccag gccccagcc actctgttgg aagagtggga ccctatgcca 240
aaaccaagc cttacgtgtc agactataac cgccttcttc agctggcaac acccaaggcc 300

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 aacgcggtgg ccagttcacg gatcatctcc ctggcccagc ccaaaattcg aaaggacctc 420
 aacgaggggt acaaccata ctacatctcc ccagcctctc tgggtggctca ggcattctct 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 caagtgtctg acaagcatct aagaatataa 120
 tccagccacc gtcattgtgt ctgcattatt acaatgttcc gctgtgtgtc acagaagaga 180
 ccttcacaaa gttgtgtaac gaccacgaag ttcttccgtt catcaaataa aaagtgtttg 240
 acgcgaaagc ttccgcgaaa actctgtctg ggctattgga gtggaagtgc aaaactgatg 300
 ccgtggaagc tctcactgcg ctcaatcact accagatacg agtcccgaat ggatccaacc 360
 cctatacggt gaagctttgc ttttctacat catcccattt ataagaagag aagagcatgt 420
 tagaatttat gttcatcttt attgcagttt taaagctata cttcatccat aataatctaa 480
 aatggttggg ctaatgttgc cttgcttact a 511

<210> 6069
 <211> 341
 <212> DNA
 <213> Mus musculus

<400> 6069
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 atgagaggtg tgaccaccct gcacccttg cttcagtggc tgaactcggc ctccttccat 180
 tggaggttgt tttctaggct caacactgaa cagctgatta gccatgtaat ttatctggtc 240
 ttaaatagata atggatTTTT gaagcactaa aaggatttag ggtttatcgt taaaacaaaa 300
 ttcttggaact ttaatatctt 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 caacctatgtc actccagaag agaaggagaa ggtgtacaga 240
 gacagacaga agtactgtaa agagtggagg aagcggaaga ggatgaccac agagctgtgt 300
 gatgcgatcc ttgaaggcta cccaagagc aagaagcagt tctttgagga agttggaata 360
 gagacagatg aagatcataa tgttttgctc cccgac 396

<210> 6071
 <211> 345
 <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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 atgcagagaa aattgaagat gagctgaaag cagaaaggag gaagctacag cgaganc tac 120
 ggacggcaca ggacaagata gaggagatgg agatgaccaa cagccacctg gctaagcggc 180
 tagagaagat gaaagccaac aggacagccc ttctagccca gcagtaggag gcgggcccttc 240
 tacctgggtg ctgctgagga ccttgccggg agatgctgac tcttttgtac attgacacaa 300
 gcccttcaa gtactgtttt gagtcttgct attaaacagc cacct 345

<210> 6072
 <211> 528
 <212> DNA
 <213> Mus musculus

<220>
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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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 <222> (371)..(371)
 <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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 ctgtacggcc ctacattgca agtgcttacc gctccaagtc tccacgggtg 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
 atatcgtggg ntccatcagg ccagaaatca tatntntcca ttacacatgt atgatacata 420
 tgtgtgtata ttattccata aatgattttac ttgtaagaaa tgaatgatta tgaatttcat 480
 attatacttt gatattttac cctattttctg gtagtcggta gtcatcaa 528

<210> 6073
 <211> 379
 <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> (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 taagtgcac tgaggangta gggaccaaca ggtggcctac 180
 aatgcaacat atgtaccatc tagcactctg gagatacaca cttcactgta actgagattc 240
 tgagggactc aatgccttaa gatataattcg tgtcaaggac caaagcaggg caggatagga 300
 agactgatgt caaggttgga gcgcatacac caagaaagca gctaggtcaa atgtctgaaa 360
 tgcttcaaag tggctctgga 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

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 <222> (34)..(34)
 <223> n is a, c, g, or t

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 gttgcccttc agttctatga agtttgacta tacgtgtcaa acctcagtga ctaagcaaatt 180
 gtaattttgtg aaagtcagga tattttcaaa gttgccaac agtgtttaaa actgttcaag 240
 aaattttgtat 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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agactgggga agggaaaaga aaggaggcag aaatccggat gggggcagcg agagtggggc 180
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acaaaccttc cagcctgact tgaggctaag agcatcagga agatgggggtg tgggggtggtt 300
gggtcagggg cagccaagct gctagggggt ggggggagag actaatatag tgaatgtagt 360
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aggggacaag ccctaggccc ctgtctatac tag 453

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<210> 6076
<211> 215
<212> DNA
<213> Mus musculus

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ctcgagacgt tccagaaagt ctcagtgtg cagcagacaa ctccttgtca gaagaacaaa 180
gaaggccacc aggaaccacc cagggtagca agaca 215

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<210> 6077
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<212> DNA
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<223> n is a, c, g, or t

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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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<222> (473)..(474)
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 <223> n is a, c, g, or t

<400> 6077
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 agatgaagaa attttgagag aaacacgcag gccgggtcgg tctcctaggc gcaagtcacc 180
 gggaagaagc tcgaacccaa agcccaggcc tcatgaatgc agcccaccga tgcccaccgc 240
 gtcttcccgga gggcgggagc aagccatcag aaggagtga aaggccagga tgagagaata 300
 ttggcaagaa ctggaggaac aagaggaaaa actgcagaag aggccgatgt tgtttgaaag 360
 agtcaccag gttgtgttta ttggttaggg ccatcaccag ctntctgttt ctcagtactt 420
 ctggcctcca cctttgtgct ccttcttacg gtgtcctaca gttgccaana nannatgttt 480
 ntggggcggc ttcattccagt ccaccaagaa agtaatttca cttaagatgt gacaacgctt 540
 gtagctcaat 550

<210> 6078
 <211> 478
 <212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <222> (362)..(362)
 <223> n is a, c, g, or t

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 tcctcagctc atttgttact ttgtcttgcc ttcagatggt cacctccctc cctccctcct 180
 tccctcccc ttccccacc ctccccctaa cacccaacct ctgcatggaa caggacatcc 240
 ttcaccacac cttcagaact gttccatgaa gatcgtatct ggctaggtgg gtcacatgtc 300
 cgggcagcac tgttcttccc ctctcagga tgaggagtcc ctcatatctt atccacccca 360
 gntctctaac tgggtatacc catttcgttt caagatttca ggcctcagcc tggcagtgggt 420
 ggcgcacgcc tttaatccca gcacttggga ggcaaaaaga ttctaggcct cttcctct 478

<210> 6079
 <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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 gccacaaaac tccccctccc caccacctnt gccacntncg ccaccctngc ccaagattca 120
 gcccttgag ccagacagnc cccacaggcc tncctgagaa cccaaccca gctacagaga 180
 agctgtttgc accccaggag tcagataccc tcttttacca cgccccaccc ctttcagcaa 240
 tcacatttaa aagacagttc atgtgcaagc tctgccatag gacattcaag acggccttca 300
 gtcttttgag tcatgagcag acacacaatt aaaggaccta cccctttcac ctatcacaaa 360
 gtagcaggcc cttggcttgt aaactgtgtc 390

<210> 6080
 <211> 506
 <212> DNA

<213> Mus musculus

<400> 6080

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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 ctcacccac    480
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<210> 6081

<211> 469

<212> DNA

<213> Mus musculus

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 aagaaaaagc ctaccagtt tccattcaa tctcgtccca tggctccatt gcagccgata 240
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 tggacatgga tcaggatgac cgcanntnt nccccnana ntnantnttc cnatatttng 360
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<210> 6082
 <211> 298
 <212> DNA
 <213> Mus musculus

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 acctagtctg aagcgaggga gttggacgtt ctctaggta agggctggct ccatggcctc 180
 ctcagggtat tctgtacca gtggtccagt gagctccatc acggtaatga gatgcaggat 240
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<210> 6083
 <211> 397
 <212> DNA
 <213> Mus musculus

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<222> (212)..(213)
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 agatcataga cagccgtcca gtgcttggtg aagaaagtct gtctaagaac caagttaaac 180
 aagaaaccaa tgagccaaca ctgtntacag anncannaac tttnttgac tntaaaaaaa 240
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<210> 6084
 <211> 523
 <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> (335)..(335)

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggttatggcc cgggggtccct gatagccgat gaagagtc cc aggagtttga tgacctgata 120
 ttgcatataa aaactgggtgc tgggtctcagt gtcagtgaca acgaatctgg tcaaggaagc 180
 caggaaggag gcaccctgac tgactcccag attgtagaac tcagaaggat accaattgct 240
 gacaccacc tctgagagtc ccatttacac tctccagtag aaagaggaca agtttcctca 300
 ttnccttggc ttttgtacta aactntgtan gnatntacan cnnngtagta gagacctgta 360
 catngtantg agtaananag aagtgattat tatgttatnc attgcttagt gtttgtgcaa 420
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<210> 6085
 <211> 327
 <212> DNA
 <213> Mus musculus

<400> 6085
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 agaagcagct gcaggctgtc ctgcaatgga ttgcagcctc tcaattcaat gtgcccagtc 180
 tctacttcat gggagacgat gatggacaac tagagaagct ccctgaagtt tcagctaagg 240
 ctgcagagaa ggggtacagt gtaggagatc ttcttcagga ggtcatgaag tttgccaaag 300

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327

<210> 6086
 <211> 488
 <212> DNA
 <213> Mus musculus

<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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 agaagcagct gcaggctgtc ctgcaatgga ttgcagcctc tcaattcaat gtgccccatgc 180
 tctacttcat gggagacgat gatggacaac tagagaagct ccctgaagtt tcagctaagg 240

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ctgcagagaa ggggtacagt gtaggagatc ttcttcagga ggtcatgaag tttgccaaag    300
aacgacaact ggatgaagcc gtgggcaaca tggctagaaa gcagctgcta gactggcttc    360
tcgntaacct gtaagctgag aattcnnttg actcccctnc ntcntcctc cccccagca    420
gcaattccac ccagntgga gccacntca cntcaggct ggtgaactgc acaattggga    480
tcacattt                                         488

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<210> 6087
<211> 515
<212> DNA
<213> Mus musculus

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<400> 6087
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tcatggatca cttcatcaga acaatgtatt tgccttaa at cgtgaacaag ggattgttgg    120
agattatgac ttcaccaa at ctgagctttc tgttcaaa at caagagtttg agacaaatga    180
agatggaatt ccaaaagtag atcagtttca tttggatgat aatgtcaagt ccctcctttg    240
tagcttgata tatttttagaa gttcaatgac tgctgagcag gttttgaatg ctgaatgttt    300
cttgcttcca aaggggaa at cagttcca at ccagaaaa gagattgaat gtactcagca    360
tagcagagaa gatgaatcaa agatggagag tctggataga tatagtga aa agacaagaaa    420
tgggtgaagcc aacccttgac taacaaatta atcctttatt gttgctgtat atgtcccttt    480
taaaaacttt gttctgtttg cttagtagac aaaaa                                         515

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<210> 6088
<211> 527
<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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<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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 <222> (440)..(440)
 <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> (485)..(485)
 <223> n is a, c, g, or t

<220>
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 <222> (495)..(495)
 <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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 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 tttnananact ttgttctgtt tgcttagtag acaaaaaa 527

<210> 6089
 <211> 515
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (428)..(428)
 <223> n is a, c, g, or t

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<400> 6089
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gtgggctgaa aggaactcct ggtctgtgcc ctgttatggc tgcattgctga gcggttaggg    120

tcccagacct cctcctttcc tcctcccact ccccgccccc gtggccccc ctcctctctgt    180

tttagtactc tgttttccat agtggtcact gctcagtgtc acgtgcagag tgtctgtcca    240

ccatcacacc tgccatcccc gtgagcaagc agtctgtcgt cagctgtaca tcaactgccgc    300

tcccaacctc gaaaactgcc acctggagac tctgtgcagt gagggaggct ttttctcacc    360

aataaacctt ttgcttcagg gtatactctt ggggtttttc caggtatatt atgtatgacc    420

tttgtacnat gtatagacag agttttatatt attttttaaa aaggaaacct tttcttgata    480

aaggaatgat ggtagcctag ctagttcttg taaaa                                515

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<210> 6090
<211> 543
<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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<400> 6090
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cactgggtcgg gagtgcaatt ttcccttcta agcagggaaa gctgctgtgc taaatcattt    120

tgtaactttc cgaatgagag acttcggtaa agataaactc gttcagtatt tttcaaatgc    180

atgtgcattg gctgtgggga aaagatggta ggaaaagaat aacagtcatt gtttcgtcaa    240

tgaaaagtaa gactgagaaa ttgttggtgt ggtgtgacaa tatacaaagg cttacttagt    300

tttatactaa accttttttn aagggtcttag catttaatat tcagcaaata 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

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<210> 6091
<211> 525
<212> DNA
<213> Mus musculus

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<400> 6091
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cgtcccacct gaagcagtgct 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 tacccttcac atctcccctg cctttgccac    420

cagcaccccc cgccccctca gcagccgatg cagaggatga agaggattat gactcctagc    480

gccctgtgcc cctgtacccc agccatgctc tcttctagtt agtat                    525

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<210> 6092
<211> 503
<212> DNA
<213> Mus musculus

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<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

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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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<220>
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 <222> (429)..(429)
 <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> 6092
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 tccgggtgat ccctactgtg actcctgcaa agcccaaaca agaaatacca gtactaggct 120
 caatttctgt aaagcgaatt cctgttcggg tgtccattcc atcactcata aaatataatc 180
 caaagaagat ctctgatgag aagaaccgtg cctcccagaa gcagaagggt attgaagaga 240
 gagaaaaact gaaaactgaa caggaagccc ggcaaaagaa aatgttttat ctcacgactg 300
 agttggagcg gctccataaa cagcnagggg agatnttgcg taagaagcga agggagaagg 360
 atgntcacia agatccactt ctgatggagg tgantcgact tcaggatagt attatgaagg 420
 acattccna gctacataaa gagacagaag aagcagaaaa gaancantct gaactggaca 480
 aagtggctca gatcttggga att 503

<210> 6093
 <211> 413
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (218)..(218)
 <223> n is a, c, g, or t

<400> 6093
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 ttctattatt tccaataatt ccaatttcat atagaactga taaagtagca agtcctaagt 120
 ataacactag gcagaccacc cccaactttc ggtctagttt ccagccatta aaatgaactg 180
 ctaagaacag aaataaaatt gaaatgttga gagagatngt tatatatgtg agtccttgc 240
 tattcacttc tataggagca gatgcattcg taaatgcagt cttataaac caggggaagac 300

ctaggcatag catatcaaac acattggatc ccacgatgtt agatatagcc atgtctcctt 360

tacctgcaga agaatagcat gttgttaaaa tgtgcacatc aatactatat ttt 413

<210> 6094

<211> 503

<212> DNA

<213> Mus musculus

<220>

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<222> (87)..(87)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (243)..(243)

<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> (277)..(277)

<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> (347)..(347)

<223> n is a, c, g, or t

<400> 6094

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ttctagcagt gcaagggtgc cgcaaanatg gtaaagattt tcaagctatt gcagatgtaa 120

ttggcaacaa gactgttggc caagtgaaga acttctttgt aaactacagg cgtcggttta 180

acttagagga ggtattgcag gagtggaag cagaacaagg aaccaggct tctaattgctg 240

atncttctgc tttaggggag gagacncaa gtgcttntaa ggtgccgtca gggaagagca 300

ctgacgaaga agcggagggtg tgtttgtgtc tggaatntga gctaantntga 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

<400> 6095
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 acaatccata tgcaactgaa gaagaaaatt caaatgaact cagtataaat actgaagtgt 120
 attccttacc gtcaaagaag ctagtggtgc ttcagttaag gtccatcttt attaag 176

<210> 6096
 <211> 550
 <212> DNA
 <213> Mus musculus

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 <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> (332)..(332)
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 <222> (335)..(335)
 <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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 <222> (365)..(365)
 <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> (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

<220>
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 <222> (494)..(494)
 <223> n is a, c, g, or t

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 gggcaaattc agtgtgagaa tgtgatacaa cttccccaaa ggagaaacca tgaaacantg 120
 cattatactc acttcagtaa tatcacctgc tggactatgg actatcattt tgggatcacc 180
 atagatgata ttggagctgt gagcgatggc acagcttatg ctccagacca tatatgtgtt 240
 gacagaaagt gtgtcagcaa gtctgttctg gtaagtaact gttcaccaca gttataccat 300
 atgcaaggaa tctgcaataa taaacaacan tncntttgtg 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

<210> 6097
 <211> 209
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (86)..(87)
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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> (97)..(98)

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<222> (100)..(100)

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<222> (102)..(103)

<223> n is a, c, g, or t

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<222> (105)..(118)

<223> n is a, c, g, or t

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gaggagaact gctccgcat gggtnncan nnagnngngn 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

ccaacactac tgcctcctga aggatggctg cttgtacttc tatgctagca ttcgctctac 60

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

<400> 6099

taaatgctgt atctcccgga aatctggata aagatgaagg cagcgaagtc gaaagtgaga 60

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cggatgaaga tctggatgat tcttcagagc ctcggggccaa aagggagaaa acggagctga      120
gccaggcggtt cccagtaggc tgcattgcagc ctgtttctgga gaggctgtgtg cagcccagcc      180
tcctgaaccc cctacacagc gagcacatcg tcacaagtac acagaccatc aggcagtgca      240
gcgccacagg caacacctac actgcagtct aacagcagga aagcagagtt ttccagctta      300
ctctaacccc attgatactg ggcttaagct gaaattttta caagcctgaa ggttgactgt      360
tgtca                                          365

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<210> 6100
<211> 571
<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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<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> (128)..(128)

<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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<221> misc_feature

<222> (142)..(142)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (150)..(151)

<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> (314)..(314)

<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> (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>
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 <222> (337)..(338)
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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> (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> (402)..(402)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (437)..(437)
 <223> n is a, c, g, or t

<220>
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 <222> (458)..(458)
 <223> n is a, c, g, or t

<220>
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 <222> (527)..(527)
 <223> n is a, c, g, or t

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 tcattctggtt tctgntgctg gccgtggacg gntggcaagc tggntngtct tncacggtgc 120
 tgtngnanga gtacnagccg tncctgcggn nggnaccenn tgtacaacga gtacctcgac 180

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aggatcggac aactcttctt cgggtgtgccg ccaaagcaga catcctccta tggaggcttg      240
ctaggggaacc tgctgagcag cctcatgggc tcctcagagc aggaagaggg ggaagagagc      300
caggatgaca gcancccat cgagntggac tnaancncc 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 caccacaat aaagcgcagc c                                     571

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<210> 6101
<211> 285
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
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<222> (239)..(239)
<223> n is a, c, g, or t

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<400> 6101
gcagggagag gctaggacct ataccattct tctctctcct ccagtatgac tgaggagctg      60
gctagatggt cacaccctg ctcccagcag cacnaggaa tgcttggtgg ctccagccnag      120
gcgccctaagt gacctttgtg agctaccggc cgcccttttg tgagtgttat cactcattcc      180
tttggtcagc tgatccgccg tgccctgtgga cccctggatc cttgtacttt gtacacgtnc      240
cacacaccct ggagcatagc agagctgtgc tactggagat caata                          285

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<210> 6102
<211> 280
<212> DNA
<213> Mus musculus

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<400> 6102
cacctgggtg accattcttt gcatggcccg tctgaagaca atcctgaaac aggtactact      60
tgtcctcggc acactcgtca tcgcatgtc cttgcagatg gatcgcaggg gcatctggaa      120

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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
 cacaccttga ctctcaagtt ggcagcccag cctgaagtag agctctgaca ttaggagctc 60
 tgcttgcaag tgtgtgagta tgtatgccat ggatgtatgc ctggactctg tgtgtctgtg 120
 tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgta gggcaggctg ttctaacctg 180
 aagatgctga ggaaggagcc tgttggtgca acctggggtg gtgatccatt ggggtggatca 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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 gctctgacat taggagctct gcttgcaagt gtgtgagtat gtatgccatg gatgtatgcc 180
 tggactctgt gtgtctgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtag 240
 ggcaggctgt tctaacctga agatgctgag gaaggagcct gttgggtgcaa cctggggttg 300
 tgatccattg ggtggatcag gacggaactc tgtgtcccca ggtctcagga gtgccatccc 360
 cgggctcagc tccagttccc tgggctcatg ctactagtgc tttgggcca gtgaccatgc 420
 accttcaccc caggcaggcc ctgtataccc ctccctctata ctccagcatt taatcttgtg 480
 gctgctttct ttttatttcc cactttctct gttttataac agaaccttca gtataggttc 540
 tggtaatca 549

<210> 6105
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<213> Mus musculus

<220>

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<222> (118)..(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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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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 <223> n is a, c, g, or t

<400> 6105
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 aaaagcattg tcttgagatt attatggcat agtaggtttt tttttttttt tttttttnnn 120
 ngctgctgac attgtaatta gcatatnntc aacagcaatt aggaaacaat gccttatnta 180
 tgtgctttgg ggggttgaag ggacaaagta gtagctgtca tctantccat ttgtgtattg 240
 atcacaaca tcacagaaga catcttaaaa ccttnctnt nactctannt tntnctaant 300
 gctatttgnc aagnttttaa gacagtantt ttanaaactt agaantnctg actttatgtg 360
 ctgtgtaa atctacatgga cactttacca aagagcactc tgcattgagtt a 411

<210> 6106
 <211> 71
 <212> DNA
 <213> Mus musculus

<400> 6106
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 tgccagaaga a 71

<210> 6107
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 6107
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 gggcacagtt cgtggaaatg tggccaagga actcgatctg tgcatacctca gaacggggcg 120
 tgcgcacatt 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

<400> 6108
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 gggccgcaca cntgcagtgc ntccaccatg gaaagttgta gacatactct gctagtttgt 120
 aattagccag ctccaccggt atttaaaatc agtgttaccg aaggctttgt tctcgttgtc 180
 atttgttcca agctgcagct gacagttcat tattcacagc ttagaggact catttcttag 240
 gctagtataa gcacatttgg catttacttt cggcttactg cagtctatta attcttactc 300
 tgtggttggc tttaatcctt tgataactgt acatttaaag tggcaaagct ctaaagcggt 360
 ctgagtacta aatacatttt taacttgact gtagctgcct ataaactttc aggtaaagga 420
 aaaaggaag 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
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 atactaaaaa ttacaatgta taatgaacag tgttttagaca ttgagaaagg aaacttaatc 120
 tctgtgtcca caacaggagg gttttgtgcc ttggttccag tcaagttgtg gtttttagact 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>
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 <222> (73)..(73)
 <223> n is a, c, g, or t

<400> 6111
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 tggctcaaac acnaactgtt tgcttgggaa gcctacgaca aggggtctga agtgcattctc 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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ctttctcttt gacatggcca caggaaagct gaccaaagcc aagcgactag tagtgcata 60
aggcagccct gtaaccagca tttctgccc 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 ccaatgatcc ctctccttc actccagtct tgcgttataa a 531

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<210> 6113

<211> 529

<212> DNA

<213> Mus musculus

<400> 6113

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gaagtcgttc agctacagct cacttctttc ccaacacaag aggatccaca caggggagaa 60
accttatgta tgtgatttgt 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 tggaaggca tttaatatca ggtcaaacct 360
taccaagcac aaaagaatcc atacaggaga ggaatcttta aatatggcaa atatggaaag 420
tcatagtggc acattccaga agatgatcta ctatgaggga ggaattctc tggatgggac 480
cagaatgcag atgcctgtgt gggaggcaga gcatgccaag tctcaaaga 529

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<210> 6114

<211> 563

<212> DNA

<213> Mus musculus

<400> 6114

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ggctggctac gataagctct ggcacccggc gtgttttatc tgcagcacct gtggtgaact 60
cctggctcac atgatttact tctggaagaa tggaagctg tactgtggca gacattactg 120

```

```

tgacagtgag aagccccgct gtgctggctg tgacgagctg atattcagca atgaatatac 180
ccaagcagaa aaccagaatt ggcacctgaa gcacttctgc tgctttgact gcgaccacat 240
cctagcaggg aaaatctacg tgatgggtcac tgacaagcct gtgtgcaagc cctgctatgt 300
gaagaaccat gctgtggtgt gtcaaggatg ccacaatgcc atcgaccggg aagtgcagcg 360
agtaacgtac aacaacttca gctggcacgc atccacagag tgtttcctgt gctcttgctg 420
cagcaagtgt cttatcgggc agaagttcat gcccgtagaa gggatggttt tctgttccgt 480
ggagtgtaa aggatgatgt cctaagagga gtgtaccaag ccgtatggag ccatagctgt 540
ccacagtggc ctgcatttca tga 563

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<210> 6115
<211> 380
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

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<400> 6115
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gccatgaatt tattgtaaaa agagaacatg cactaacatc aggaacaata aaggctatgt 180
tgagtgggtcc aggtcagttt gctgagaatg aaaccaacga ggtcaatttt agagagatcc 240
cctcatatgt gctatcaaaa gtgtgcatgt attttaccta caaggccgc tatactaaca 300
gctccactga aattcctgaa ttcccaattg cacctgaaat tgcactggaa ctgctgatgg 360
ctgcaaactt cctagattgt 380

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<210> 6116
<211> 213
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

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<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
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 gcctccccc a gctgggcaag aggctacctc agtttgatga tgatgcagac acaggaaaga 120
 aaaagaagaa aactcgaggt gaccacttta aatttcgctt ccggaaaaac ttccaggctt 180
 tgctggagga gcagaacctg agtgcattct agggccccc ctacttgaca gcctgtgccg 240
 gccccccatc tcggccccag cgtcccttct gtgctgtgtg tggcttcca tccccgtata 300
 cctgtgtgag ctgtggtgcc cggctactga ccgtgcgtg 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 ttgcttcctt 120
 ccttttttct 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
 gattatatttg gtgaaattgc cctgctgatg aatcgtcctc gggctgccac tgtggttgcc 240
 cggggccctt tgaagtgcgt taagttggac cggcctcggt ttgaacgcgt ccttggcccc 300

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tgctcagaca tcctcaagcg gaacatccag cagtacaaca gcttcgtgtc cctgtccgtc   360
tgacccgcgc ctcctgtgcc tcctccccag tccatgcttc actcacgcag actgctttct   420
ctccctagcc gcagcgccca gtggccactg cttcacagct tcttgtctct ttataactaaa   480

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<210> 6120
<211> 398
<212> DNA
<213> Mus musculus

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<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

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<400> 6120
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atccatcagg cgaggaagcg agaagctggt ctcccgctc 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 ggggtggcac cctgcaccn tgccctgggca gctctttag   360
atcgctccct gcaattaaag gcggtgcact ggtactgg   398

```

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<210> 6121
<211> 572
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (373)..(374)
<223> n is a, c, g, or t

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<400> 6121
agctatgaca ctgctcactg aacgggggaa gctgcaccag ctctgagctg ctggccatcc   60
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 cttgggggttg 360
gagcttgntc tgnnccagcc tctgtggaca caaagcaaaa aagcattggg tttgcctgta 420
aaactaagga atttaaggga gcgtcacatt tgtaacaaca cctgtatgaa aaaaacacct 480
tcacatcaaa gctaagacac caaagggctc aagttcaccc tgcaggtgaa caccaccatc 540
tccaaggtgt tcttaaacca gcccttttgt tg 572

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<210> 6122
<211> 170
<212> DNA
<213> Mus musculus

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<400> 6122
aaattgggtga cgttgtttct gtgattgatg agcaagatgg gaagccgtac tatgctcaga 60
tcaggggctt tattcaggac cagtactgtg agaagagtgc cgcgctgaca tggctcattc 120
ctaccctcgc cagtcccaga gaccagtttg atcctgcac atataata 170

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<210> 6123
<211> 449
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

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<400> 6123
gatacctgca tttcaaagag ccactttcca gtaactgggc taaacatttc gttgtgggtc 60

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gtcgccctta cgtcttcac tataacagtg acaaagaccc agtagagcgt ggcatcatta 120
acctgtctac agcacaggtg gagtacagcg aggaccagca ggccatgggtg aagacaccta 180
atacttttgc tgtatgcaca aagcaccgtg gggtccttnc tgcaagctct cantggnaa 240
gacatgaatg actgggttata tgcctttaac cnacttctgg ctggcacaat aaggtcaaaa 300
ctctctcgca gatgcccagag ccagccaaag tactgagcgt tctcctgagc cttgctcacc 360
ttcgacagat aaagaaagtg ttacctctca ttctctttgt gattcttgac agttattctt 420
gtatgtaatc ctgtggctta acgactttt 449

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<210> 6124
<211> 500
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<400> 6124
atatcccaa gtgggaactg tttcttttag gaagagcacc atatccaatt ggtgctgaaa 60
atcaaaatga gcancaacnt cagtttgaga gccctctgaa aggtctcagg ttagatcctt 120

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```

gcacagtcac agancctgcc 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 gcgcgagtg ttttgaaaaa aaaaaatcta tgagagctgg 420
gaatggctac tgaattctga caggcttatt tgaagattac caacgttgtg aaaacaaata 480
ccccttccta aatgtcatct 500

```

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<210> 6125
<211> 348
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<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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<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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<220>

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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> (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 tgagttacca 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 actgttacct tgagctggcc caatggagcc ttacagaact 300
 aatcaggact tgtggagacc tctgactga acttcctata agtaacttcc accacactgg 360
 tttctactct cagaactgcc ccagtgttg ctgggtagac ttttcac 408

<210> 6127
 <211> 236
 <212> DNA

<213> Mus musculus

<400> 6127

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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

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<210> 6128

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (202)..(202)

<223> n is a, c, g, or t

<400> 6128

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tttttttggt taaaaaatc atatttagtt ttaacttggt agaaaagtat atttttgaag      120
acttcattaa tttatgacta tacagtgcac aatgagctat gataaatatt actattttca      180
taataactta aattttcaaa angcataaag gtaagcttat atcaatttac tattttaaatt      240
tgattatatt atatttatatt ttgtgttaag atagtcaaat cctaacgatg atttctataa      300
atacctagaa acatgttttag aagttgacag gttttgccaa acagctagca aaattaaatg      360
caaactattc agtcttagaa aatcacaata atctcaacaa ttagttccat ttatacatc      420
aagtattatg tctttgagtc tctcaaattt ctgtttatct      460

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<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

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<400> 6129
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ccggcaggaa aactgtggta tgtctgtttg taatggtaaa atctatatcc tgggtggaag      120
acgggaaaaat ggagaagcca cagatactat tctctgttac gatcctgcga caagtatcat      180
cacaggagtg gctgcaatgc ccaggccagt gtcctaccac ggctgtgtaa ctattcatag      240
atacaatgag aagtgcctta agctctaact aaaccaggga tacctcacac aagaagccaa      300
cgtcaatcca agaggaaagt ttttaaaacg accacgtgag aactcaantc ctttgcataa      360
agaaataaat aatcctgatg cctttctgac ccaaaattcc aatatttcaa gcagtcataa      420
atcctttcct gtactggggg tgggagggtg gttgagttag accagtgtc acctttaccc      480
cagcactcag aaggcttcta nacttctata cgtttgaacc cagcctgggtc tacataacaa      540
gttctaggcc agcaaagggtt acaca                                           565

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<210> 6130
<211> 502
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

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<400> 6130
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acagggcatgg tccttatgga agtgaacctt ctcatgtggt ttagntgcat cttcagattc      120
aatcctctg agtgagaccc tgaagaaagt ggaatatgat aacgggaaac tcaaccttta      180
tttagattct gtaaataaat ccaggttttg tgttaatat cccactgtga gagactacaa      240
agtttcaa attcgagatg gttcagtatc tgtaatggac tactatgaac caaggagaca      300
ggcagtgcga agctacaaca ccaggtgaa gctgtcctca tgttacctca gtccagacac      360
caactgcaag tcacacacgg acggagccac ggactccctt cgacgttctt cgagccttct      420
cgtcttttgc tccgtccttc tgtactttgt gcaacattga ttatgattta tttttcaagg      480
actccgtcta aaactagcat tt                                           502

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<210> 6131
<211> 505
<212> DNA
<213> Mus musculus

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<220>
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 <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
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 aggaagcaca tgaagattca ctgcaagtcc ccccccacctt cgcttggagc tcttggctac 120
 tcgtcgggtgg ggactcccgt gggtgaccct ttgtcccctg tgctggaccc aaccaggagt 180
 cgatccagca ctctgtcccc tcaggtgacc aacctcaatg agtggtatgt ttgccaggcc 240
 agtggggccc ccancatct ccacacacct tccagcaatg gaaccanctc tgagtctgaa 300
 gatgaggaaa tgtatgggaa ccctgaagtc atgcggacga tacattagaa ttattattaa 360
 taagtgaggt agtaagtggc agtccttggc ccatgtccta acctgaaaca atgctgagcc 420
 tgagacaaac tggtgactca gacttgccac cgggtctaata tagccctatt tattcagtat 480
 gaaaccctat ggtgtttgta cattt 505

<210> 6132
 <211> 538
 <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> (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 atctatcttg tggatggcac cagaagtaat cagaatgcaa gataaaaacc 120

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cgtatagctt tcagtcagan gtgtatgcgt ttgggattgt tctgtacgaa ctgatgaccg      180
gccagctacc ttattcaaac atcaacaaca gggatcagat aatTTTTatg gtgggacgag      240
gataacctatc tccagatctc agtaaggtag 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

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<210> 6133
<211> 416
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<400> 6133
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agtgttccag gacctacagg tgcagaatac tgtgttggtg agcccctcgc tgagtggcag      120
ctatgccctg cccttcttga tgcaaaacca ccaccagcta cgtggattcg tgcccatcgc      180
accacctac accaggaatt atgcacagga acaattcagg gctgtgaaga ccccaactct      240
tattctgtat ggggaactgg accacacctt ggctcgagag tcaattcagc agctccgcca      300
cctgcccac cactccatgg tgaagctgcg tgatgcaggt cacgccngct acctccataa      360
gccagaagcc ttccacctcg cccttcttgc cttccttgac catttgacct gagtgg      416

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<210> 6134
<211> 520
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (218)..(218)

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<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

ttagaacatt catcctccat acataggaat gtttcaaacc catcagctgt aatgtcggag	60
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 caccctnnn	480
ttggatataa attgcagtga ggccatctgc atgttcagca	520

<210> 6135

<211> 427

<212> DNA

<213> Mus musculus

<400> 6135

aaccatgtag tccaacaaa ttctcagtct gtgaaatttc actaatcacag atattcatgg	60
tagatttttg aaattctgaa gtcctgatca tcacaggagt tggtgacaca catgaggagc	120
cagagcatga tggatgaacag catattacac taagtgactt ctgtctgctt ctaatgaagt	180
ctgaaccata cagtgaggaa ctgttgaaag acatcccaca tttagcacac ctgtgctcct	240
tgaaagacat cgtcccatac aattcagtaa gtgagagaga aagtgattct ccctcaaagg	300
ctgtggagtt ttagtttgtt tgccagtga gttgctgagt tggctctgaaa gaaccagtta	360
gccttgacaa acacattctg attatgaact attagtcca 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
 tcctgggggtg ctacaggggtg 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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 <222> (91)..(91)
 <223> n is a, c, g, or t

<220>
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 <222> (104)..(107)
 <223> n is a, c, g, or t

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 <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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 <221> misc_feature
 <222> (200)..(200)
 <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> (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> (235)..(236)
 <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> (266)..(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> (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 ctcntcgct tncnngttc 240
 tagctgcctg cncgggaaag aggccnnntn anngcgctgg ggccgtccac agtgtttctt 300
 t 301

<210> 6138
 <211> 550
 <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> (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

<220>
<221> misc_feature
<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

<220>
<221> misc_feature
<222> (251)..(251)
<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> (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

<220>
<221> misc_feature
<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

<220>
 <221> misc_feature
 <222> (338)..(338)
 <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> (469)..(469)
 <223> n is a, c, g, or t

<400> 6138
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 tgtcccaggc tactgtgagg catcttcaca gggccatgga ggaggcagag ctctttccta 120
 ttgacgatgt ctttgtgggg atgtgcnnga ggaagctggg ggtgactccc ananaccatg 180
 ctggcttcaa gacatttga atccaacagc ccctcaatcc cagggaccct tgtntgtaca 240
 aagggctcnt nctggtgcac cntntcancc ccnnggagat gtggaccatn tgggcgctgg 300
 tgacagatga gaggcttaag tgngcagnta cccacaancc ctagccccga ggggtgggtg 360
 gagcaacagc tttagagtga ctcaactcct atcaccagga gaaacaattc tgaaaactgg 420
 tccctggtgg tcagcaggaa atgatnttta tttttatgct aacaacctna ttttaattaaa 480
 agtgctgaaa cctggcaaac ttctctagca tgtgctgaat gggagtgtca gctgccaggg 540
 agccttagga 550

<210> 6139
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 6139
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 tgtgcttgtg agaactgtgc cagcctgatg aaaaagtgtg tgcagtgtcg ggcagtgggt 120
 gagcggaggg tgcctttcat cacgtgctgt ggtggcaaga gctcagaaga cccctctgat 180
 gaaatctcaa gtgggaatat ccagtgctg cagaaggaca aagacaacac caatgttaac 240
 gcagatgtgc agaaactgca gcagcagctt caggacatta aggagcagac catgtgccct 300

gtgtgcttgg atcgccctgaa 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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 taaggatgatc tctgctcact gctaataat ccaagcttgg gggatgctct cagggattca 120
 ggataccac agaacataaa ttctctttat tgtttgtacc agtaggt 167

<210> 6141
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 6141
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 gtgaagttcc tgcggttggg ggtaactgtg acatctatga tctttttcat cgtgggacaa 120
 gccctgaac catatatcgt catcactggg tttgaagtca ccgttatatt ctgtttccta 180
 gtcttataca cgtgtggact tgacaagata atgagatctt tcttttggcc tttgcttgta 240
 agtgatgaac ttcaacctta aaccttaact acctttcctg ccttaggaag acaccttagt 300
 caactacttg gatctcctaa atatttaagg tgatctctgc tcaactgctaa 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>
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 <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>
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 <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>
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 <222> (258)..(258)
 <223> n is a, c, g, or t

<400> 6142
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 cagtgcgct cagaaattca tctacgagtc cgatgtgctn tggagacatc agagcaacat 120
 ccacctggtg aacganngga tcaccaatga catctcgtcc accaagatcn gganggcgct 180
 caggaggggc cagagcatcc gctacttggg accggacctg gtccaagagt acattgagaa 240
 gcatgagctg tacaacangg agagcgaagg caggaatgct ggggtcacc tggctcctct 300
 gcagaggaac gccgcagagg ccaagcacia ccattccact ctgtgacaca gggcacggcg 360
 tccgcagagg ctgctctgga gactcgaaac tcagggaagg acttgccatc atcctgtttc 420
 atcaa 425

<210> 6143
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 6143
 gggaacatgc cagtgtgcac gagtaccccg gggaattggg ccagccccca ggcctttacc 60
 ccagcaacca cccacttggc cgggcaggca ccctgcgggc gctatcccg caagacacct 120
 ttgatgctga ccccccggc agccgaaatt ctgcctacac ggagccggga gactcgtgtg 180
 tggacatgga gacagacccc tcagagggcc cagggcctgg agaccctgca gggggaggca 240
 caccaccagc ccggcagggc tcctgggaag acgaggaaga ctatgaggag gagatgaccg 300
 acaacaggaa ccggggcccg aataaggccc gctactgtgc ggagggtggg 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
 tctccaagct gtgagacttg catttaagat tcaaaccag actccaaga agaaaaccat 60
 tggagagtgt tctctttcac tcagaactct tagtaccag gaaatggagt actcgttgga 120
 aataatagca ccttcaaaaa tntctgtntt gccaaagcaga acttgaactg gggacttggt 180
 ttcaagcagt aaatagcang attcagctgc aaattcttna ggcacaatac cttccaagtt 240
 catcaacacc t 251

<210> 6145
 <211> 443
 <212> DNA
 <213> Mus musculus

<400> 6145
 gacaaggcac ttcatgattc tctgggaccg ttacgtttta aaatatgcaa agaccttttt 60
 ttaagagaag acaaaccatt ataacagttc atgagtgtta gctttttggc gtgttctgaa 120
 tgccaaatgc ctctctttgc tgcatttggt atgtcagtta cttttcttct tatgggtggat 180
 ataaaatcca ctgtcgtggt gcagcagatg atggcacctg tggcttggga aggcgagcgt 240
 gctcagcttc aggggcacat gaagtgaacc tggctgtatg tgcattgctc tggagtgcgc 300
 tacctaacag gagggggtag cacactggct actgtgtgca ggcatcatcc tttctctgta 360

gtaaaagggtg ggacctcaag aattttcttc aaagtgtctca tctcaaaaat ctgatttttt 420
tcccagtaga tggatatgctc caa 443

<210> 6146
<211> 331
<212> DNA
<213> Mus musculus

<400> 6146
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ggagcaccca agttgagagt ggctggcggtt gttgccccgg cccttccccg ggaagacctg 120
gagagaatcg tcgcccacgc cctcttgtag cagtatctca aagaagacta cagcttcacg 180
gcttacgcca ccattctcta tctgaagggtg ggaccagag cttgtcttct cagcaacgaa 240
gcccattgctg tcactatgca agtgaagaag tcagcacaga gcagcgtag ggggtgcaccg 300
tctgaagctc gtcaggtgga acaagtggat t 331

<210> 6147
<211> 482
<212> DNA
<213> Mus musculus

<400> 6147
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cacacctcag gaagttttcc tgcattgtct ttggagctgt atcttgtgaa cagcaagagt 120
atgccggcca ccccttggac agcctggcag tagcaagcga cagtgaggag gacgtgagtg 180
gctgagcacc catgctaacg ctcaagtata 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 aagataacctg 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

<220>
 <221> misc_feature
 <222> (430)..(430)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (443)..(443)
 <223> n is a, c, g, or t

<220>
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 <222> (474)..(475)
 <223> n is a, c, g, or t

<220>
 <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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gaaaccaggt gtcttacttg tgaaactata agcagcaaag atgaagattt tttagacctt      60
tctgttgacg tggaacaaaa cacatcaatt actcactgct taagagggtt cagtaacaca     120
gaaactctgt gcagtgaata taagtactac tgtgaagagt gccggagcaa gcaggaagca     180
cacaagcgga tgaagggtta gaaactgccc ctgatacctgg ctctgcacct gaagagggtt     240
aagtatatgg accagcttca ccggtacacg aagctttctt atcgcggtgg ctttccttta     300
gagctccgtc tgttcaacac gtcaggagat gcgnncaacc ctgacagaat gtatgacctg     360
gtcgccggtg tggttcactg tggaagtggg cccaancgag gccattatat tgcaatagtt     420
aagagtcatn gattttctggc tgnttgtttg atgatgacat tgtagaaaaa atcnntgccc     480
aagctattgn nagaattcta cggattgaca tctganatct ccaagaactc ggangtctgg     540
ctacatcctt ttctatcagt ct                                              562

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<210> 6150
<211> 559
<212> DNA
<213> Mus musculus

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<220>
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<222> (37)..(37)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

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<400> 6150
agtgaccgaa ggacaggcca gctgtcacc cctgtgnaca cctgctgcag cagcctgagc      60
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gcttgccacc tctggtggcc cccagctac cagtcttggg ncatggtgct ggctctgctg 180
gccagggcct ttgggaggcc cctcggcttg aggaaggccc acctgcccc a ggctagatac 240
cccagtgcc aaaacatgc atgcacagat ccctggaggc tggagagcca gagatgcctg 300
gctgtcagga cagaaggccg gtaccccaag gtctctgctc caggctggaa gagaagcctg 360
ccccagaagg ccagggcaga gcagctgcat gggtcagggtg acagcccacc gctcagcctc 420
agctgctccc agtgggaagag atgtgtcctt actcattttg gagcaggtac agtgggcaag 480
aggtcagacc acagncacca atcatctgcc ccttcctgt ctccaagcca tccatagccc 540
catgtctaac ctcatagtt 559

```

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<210> 6151
<211> 358
<212> DNA
<213> Mus musculus

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<400> 6151
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ttcttcagtc actataacag aagctagtca gcagcagttc tctgtcacag tgtcagtgcc 120
cctgcctcca aaccaggaag aggttcgaag cattaagagt gaaactgaca gcacaattga 180
ggcggacagt gttgtggggg agctccagga cctccagtcg gaggggaata gctcaccagc 240
aggctttgat gcgagcgtga gttccagcag tagcactcag ccagaaccag ataaccaga 300
aaaagcctgt acaggtcaga aaagagtga agatactcag ggagtaggaa gttcatca 358

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<210> 6152
<211> 402
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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<400> 6152
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gtgaggacat tgccatacag ttcacaccca agtatgttct gcgggccggc cagactgtca 180
cgggtgtgggc agctggcgca ggggctaccc acagtcccc atcaaccctt gtgtggaaaa 240
gccagaccaa ctggggccct ggggagagct tccgcactgc cctggtcagt gccgacggtg 300

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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 gttagtgaat attgactctg 120
 ggcaatttta cctagtcaac tttataacag agttcaagac tctgaatata ctctacaaaa 180
 taccagagtt tataccagaa ggtaggacca aagggaagg gtgatttcca ggggtggacag 240
 tgatcagaaa gagaccaggt gagcactctt ctctctctcc ctgcctcctc atctcctctg 300
 ttgtggctcag ctaaggaact agacttcttg gtgctccttg atacagtac atacaccaac 360
 actcctatga cacccaaggg cttgttcttc aacacattga acaacatggt gtacatctgg 420
 ggcaacttca tcctgcaaag gtaggtgtaa gccatctccc cagggaacca 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 agagcagtg tggaatgcag 120
 aggacagcga aggaaagagg gggatgattc ctgtccctta cgtggagaag tatagacctg 180
 cctccgcctc agtatcggct ctgattggag gtaaccagga gggttccac ccacagccac 240
 tgggtggggc ggagcctggg ccctatgcc aaccagcgt caacactccg ctccctaacc 300
 tccagaatgg gccatttat nccagggtta tccagaagcg agtccctaata 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 gctcttgga 120
 cagcactgtg aagctgtggg acatggcggc tgatgggcag cagtttgag agatcaagtg 180
 tgagggggcc cgggcagggg gcctgggtgg gtagagccct gccagccat caccagcc 240
 ttgtgtgccg tgtgtccca ggggcaaggc ggcagtgtg tgcctttcct accaacctga 300
 ttcctggtg actggtacct atgacaagaa ggtgaccatc tatgatcca gaggtgagcc 360
 tttaatcca 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
 ccttctgctg tactctgaaa tgctttgtga anttctgcg gttggtggta actgtgacat 60
 ctatgatctt ttcatcgtg ggacaagccc ctgaaccata tatcgatc actgggtttg 120
 aagtcaccgt tattttctgt ttcctagtct tatacagtg tggacttgac aagataatga 180
 gatctttctt ttggcctttg cttgtgtttg gtttctgac 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 gatttctctg atgcacccga atccgggacg 60
 acaaggactg gaaatctgcc actaacctcc cccaactcaa ggaactgtac cagctgtcca 120

aagacaaggc agactttgct gtggtggctg gagatgaggc aagccccact actggaggca 180
gcagtggcga gaacgagggc actgctgggt ctgctgggcc ctgcaagggc cccccagta 240
agtcctctgc cagtgccaa 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
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agccatctga gtttggccaa cccaggaggc gcagggcctt ttggacccat ctcaagtggat 360
ggcaaccttt tcttactcaa ataccattga cagaagccag aaagccagtg gtggctcgct 420
gaggatgagt gcccctggc tgctgtcttt gtgctatctg ggc 463

<210> 6159

<211> 541

<212> DNA

<213> Mus musculus

<400> 6159

tgcctattca ccagaatgta cactggagcc tgggtggaat tgatttaaga aaaagaagta 60
ttgtatacct cgattccgtg ggagagacag ggaagtctat ctgtgagacc atcttccaat 120
atttacaaaa cgagagcaag acacgcagga acattgagct ggaccctttg gagtggaagc 180
agtacagtgt gacatcagag gagattcctc tgcaacagaa tgggagtgac tgtggaatgt 240
ttacctgtaa atatgcagat tacattgcta gggaccagcc tgtgaccttt tctcagcaac 300
gcatgcccac cttcaggaag aggatggtat gggcaatcct acatagtcac ttactgtaac 360
aacaccacc 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
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 tctggtggtg ctccttggtg gggtgaccct cttcatcgca gtcctggtga tgtttgcctt 120
 gcaagcctat gagagctaca agaagaagga ctacacgcag gtggactacc tgatcaatgg 180
 catgtatgcc gactcagaga tgtgagggtt tctcgggagg ccagcctcta ccatggccgc 240
 ctgttttggc tcagacaaaa ctaagtgtt ccagatcctt tcggtgcaat ttcagagctg 300
 tgccagatgc tagacacatt taatagctgt cagatcagct catgatcata tcatgagaaa 360
 accgcctttt catattttatt tttctaactg atcacatacg caggagtggc catggt 416

<210> 6161
 <211> 376
 <212> DNA
 <213> Mus musculus

<400> 6161
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 cctggtggaa atttggttgg acttgtagtt attttttaca gtgctttcct tgggggtaaa 120
 attttagaat tcattagaat acctgtagt cctcccctcc cacctctcat tgggatgtta 180
 ctggctggtt tcaccatcag gaatgttccg attatttatg aatttgtcca ttttctacc 240
 acatggtctt cagctttaag aaacactgcc cttactatta tcctagtagc agcagggcctt 300
 ggactggatc cacaggcctt gaagcatctg aggggagtct gtctgcgctt gtcatttggt 360
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<210> 6162
 <211> 521
 <212> DNA
 <213> Mus musculus

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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

<220>
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 <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

<400> 6162
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 tctgatgaga agatttttat cttctgcagt gctgatggcc gggaggaacc attcaaagcc 120
 actggttatt ttgtttttca tcaggcgatt ttcaagattt tcatttgttt cagtattggt 180
 ggttttctct tttctctttt ttacactgtg gtacatataa gcaacttgac tagtgacaaa 240
 tgtacagtag ttagatatca cctacatata cttttttcca ttttatgctc tatgatctga 300
 agaacaaaaa aaaaagcttt ttgacttgta taagatttat gtctactgta aacattgcgg 360
 antttttttt tgttcttggt ttattgacaa tgctattgag tattacagtg tntagaatac 420
 catggatggc ttntcttgtc caccgatnt cccgtgttac caatgtgtat ggtntccttc 480
 tcccgaaagt gtacttaatc ttgcttttct ttgcacaatg t 521

<210> 6163
 <211> 566
 <212> DNA
 <213> Mus musculus

<400> 6163
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 agatcttcaa ccgtgtctcc aaccttggtg cacacaggat tattcatgct gacgtaaac 120
 catataaatg taatgagtgt gggaaagcct ttaaagctcg ctcatactat atgcaacatc 180
 agaaaattca ttctggtgag agaccctttc agtgtaagga gtgtgggaag gccttcattt 240
 ttctggctca cctcaatgga caccagatga ttcatactgg agagatggct cagcagttgg 300
 agcactgact gctcttccag aggtcctgag ttcaatttcc agcaaccact tgggtggcttg 360

aaattatgtg taatgggatc cgatgccctc tcctggtatg tctgaggaca gtgacagtgt 420
 actcacacac ataaaaataaa taaaatcttt aagaaaaaaa aaaaaaaaaa agaatggctg 480
 gtttggccat gcatgtttgtc acagtagaca ggaggctgaa gcaggaaagt tgcaagtaca 540
 aggctgggct ccatatcaag attctc 566

<210> 6164
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 6164
 gaagacacca tcgaagaaaa acagtacata ctaaaggaag ccagaacact gttccagaaa 60
 aacaaaaatc tcacagaccc agagctgatt aaacaatgca tagttgaatg cacggcccgg 120
 attgagattg gactgcatta ccagatccct tatccacgcc ctatccatct gcctccaatg 180
 ggtctcaccg caccgacagg tcggggactt caaacccagg aaaaactgag aaaactttcc 240
 aaaccagtgt atctgaagtc tcatgatgaa gtttccta 278

<210> 6165
 <211> 490
 <212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <222> (118)..(118)
 <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> (182)..(182)
 <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> (223)..(223)
 <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> (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 tgaccagag accggaanac 120
 tcaggagagt gtattcaggc tggtggaaag ncgataagaa atcgggctat gggatccagt 180
 tnttcggacc caaggagtat tacgaggggtg agtgggtgtan canccagcgc agcgggtggn 240
 gacgcatgta ctacannnac ggcgacatct acgagggcca gtggcagaac gacaagcctg 300
 aaggggaggg catgttgctg ctgagtggag attnntagac ccaganggtg tgntgaagga 360
 agcgttggat aagctgatga agcccagga agaggagggc tgaggtcagc cgaagcntnt 420
 ccgtgcccct gaacaatgct gaccttntgg tatlactaac 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
 aaaaaccctt aggtgagaga ccaaaggacg aggaggaacg cacggtatat gtggagttgc 300
 tccccaaaaa tgttactcat agctggattg agagagtatt tgggaaatgt ggcaatgtgg 360
 ttacataag tattccacat tacaagtcta ctggggatcc taagggattt gcctttgtgg 420
 aatttgaaac aaaagagcaa gcagcaaaag ccattgagtt tctgaacaac ccaccagaag 480
 aagcacctag aaagcctggt atatttccca agacagtga aaacaagccc atccct 536

<210> 6167
 <211> 479
 <212> DNA
 <213> Mus musculus

<400> 6167
 agcgccccctt gtggacagtg tgagtcatca ggagtggatt caccaggagt ggattcacca 60
 gctaccatgc acgaagttcc cccagcccct gatgacatca gaggagagcc cagaggctca 120
 acaggactcg caaacagcag acagaggagc tgtgaccact caaggcacca caatgggagc 180
 agcattgctg gaggactggt gaagggggct ttgtctgttg ctgcctctgc gtacaaggcc 240
 ctgttttctg ggccaccagt cactgcacag cccatcgttt ctgaagatca gaccacagcc 300
 ctgatggccc atctctttga aatgggattc tgcgacaggc agctgaacct aaggctgctg 360
 agaaaacaca attacaatat cctgcagggt 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
ctgggtccagg atctcactgg taagactggt ctttaagtaac ttaagtatct ttgaatctgc	300
aagtatgtag ggaaaaaaaa aaagatatat tattgtgagg aaatccattg tttaaaggtg	360
tgcggtgtgtt gttgtttgtt tttaaagggg 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

tttgatggca aaggtcagct ggaacttgac tttgaggtgg caggcccatg caactggcca	60
cctcctccac ccagtgacca cgacagaagg gactggtagc ttgaacttgg accctccagt	120
acaggcattc cactt	135

<210> 6170

<211> 555

<212> DNA

<213> Mus musculus

<400> 6170

acaagtcatc tgtgtccctt gacggccaaa tccccatttg gagtcaggaa cactgagacc	60
ttctgggcac tttgtccccc ttggagcctg agtaccacat gtcctgggta ctgactggta	120
catgcccccc ataccctcag taccagaca 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 ttacagtcc tgcctaggtt agcggctcct ttgatggcaa aggtcagctg	420
gaacttgact ttgaggtggc aggcccatgc aactggccac ctccctccacc cagtgaccac	480
gacagaaggg actggtagct tgaacttggg 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 ggtgcccgtg gtccacacgg aaacgaaaac 120
 catcacgtac gagtcatctc aggtcgatcc tggggcagat ctggagccag gtgtgctaata 180
 gagtgtccag acgatcacgt ctgaaaccac tagtactacc accaccacac acatcaccaa 240
 aactgtgaaa ggaggcattt cggagacgag gattgagaag cgaatagtca ttacagggga 300
 cgctgacatt gaccatgacc aggaataact caacctgcac atgaaccag tcatgtgaac 360
 tgttaggaaa accggagcct acatggaatt ccctcttcta acccaactga cttctatccg 420
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 gagatcttcc ccgaataaa 499

<210> 6172
 <211> 382
 <212> DNA
 <213> Mus musculus

<400> 6172
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 ataaatactg ccgcttaaata gatcacaaga ggcccgtttg tagtggtggt ctgacaacgg 120
 ctggagcaaa ttaaataaat aaaatagctc tgtctttcaa tgaaacactc aagatgacta 180
 ctgcgccttc tcttttaaaa actcctaatt tagtgacttc tggcaaaatt ttaccttaaa 240
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gtgcaaagtc atgtactaca cagaagtgat cggctctgaa gatttcagag gtcctatgac	180
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ccagtcgcaa tccagctcca tgatttc	267

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caggttgatg ctgcagagtc tacgggtgaa cagagcttct cctgaggagc tgcctgttgt	240
aggccagctg cttcgcctgc tgcttcagca tgtgcctctt aggtcgcaca tgctgactaa	300
tgccatccta gtgcagcaga tcatcaagaa tatcacgact ttaaagagtg gcagtgttca	360
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caatttcctg ggctgtacc tggagccaca gcaggcccgc gtgggcccagt ggggtgtgct	240
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 aattctcttg gtaacctggc tgtcctggaa ctggaactca gagatcccc tttgctgcct 300
 ccgagtgtg ggattaacgg tgcgcgccac cactgcctgg caagaaaaat tacaaccctg 360
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 gtcctatgcc agattggacg ggcttatttt gaactttcag aatacatgca ggtaagtata 180

caaagataca tatatccttc tagaattaat ttaactttca tgcttaaggc tggatcataa 240
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ctacagtntt gctctctaac actgcttttag atggtcagcc cgaggtacct gcagaacccc     240
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acatggactt gaatctgata tttggtcatt gggctgtatg ttttatacgt tactttattgg 240

aagaccacct tttgacactg acacagtcaa gaacacattg aacaaagtag tcctggcaga 300

ttatgaaatg ccagcctnnn nntnncgna ngnnnnnnnn annnccttat ccaccantta	360
nttngtagaa accctncaga tcggttaant ctntnttctg tgttggacca tcctttcatn	420
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attaagtctc caaagtcggt actcgatct tcaacacagg tgtgtgatgt gatctctgtg	180
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caggaactgc tgaagcagca aggagacttc ctggtgcggg agagccatgg gaaacctgaa	300
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caa	363

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 <211> 465
 <212> DNA
 <213> Mus musculus

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ccagcttctg gtggatcagg ccaaaaaagg gtataagaaa actggcagag tttcacaagc	180
tgcagcgatg agaacagatg aacctacaga gacactgccg tcgatgagag cagatgaacc	240
tgcagagaca ctgccgtcga tgagaacaga tgaacctgca gagacactgc cgtctgagt	300
tatcgcaaaa gaagataatg tgagcttctc agatactgtc tcagtaaaaa accactttcc	360
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<210> 6184
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 <212> DNA

<213> Mus musculus

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tggtgagtgc cagtctccag actgccctgg aaccagagct gaatttttct ttaaattgtg      180
agcacacca acctcagaca aggacacgtc ggtagctttg aacctgatca ccagcaacag      240
gcgcagcatc ccttgcatag cgtgcacaga tg                                  272
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acttgaatnt cctaaatntt tnnaggtgat ntntngctca ctgcttgggg gatgntntca      420
gggattcagg ataccacag aacataagtt ntntttantn tatntaccag taggtatggc      480
tgaccttnt nttaactata aatgttatga aatataatnt ggtggccggc cggggtacct      540
ggaggacca tgccaagctg tgcaactgag aaataa                                  576

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<210> 6195
<211> 429
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (323)..(323)
<223> n is a, c, g, or t

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<400> 6195
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gacagaggat ggcaaacact gtcttacgga tccttgggac catccctngc cttgtgccta      120
tgggtggggg tggaggtggg gggtaggggg agtttctgac agagcttggg aaaaggcggt      180
tggtgttact attctttgcc attggtggtg tgcatgcttc aaaacctacc aggtaaaagg      240
ctggctagga nctctcaggt tgggttcaaa tactgcntcn ctttgtgtnc actgaagaat      300
ccacattttg acagttgttt tcnaaatagt taatccagag gagagtccag ctcttaggac      360
aggaaagacc tgagagggtta taggaagttt gtttacattt cccattagaa ctctgtaatt      420
gtccataag                                         429

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<210> 6196
<211> 245
<212> DNA
<213> Mus musculus

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<400> 6196
agcaaggagc cagcatatcg cctctagcaa tgacagtgat cccttccagg tcagctcagt      60
aggttctctc atgctgcctc ccatggagct aagtccccag cgtttttgta aaccttttga      120
agatgaattt agttgcaaaa tcaagctaag caatttccac ttcaggcttt gcaagcaaag      180
agctattgct ccttctcatc ctggtgctga gcacagtttt agacctgggt agtgcccttg      240
gacat                                           245

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```

<210> 6197
<211> 592
<212> DNA
<213> Mus musculus

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<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

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<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (318)..(318)
 <223> n is a, c, g, or t

<220>
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 <222> (346)..(346)
 <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

<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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<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (492)..(492)
 <223> n is a, c, g, or t

<400> 6197
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cctgccttct tagctaaaga agcctccctt gtgaggccac agtgactggg gaggagcctt 120
gcctgtctgc ccctccctac tctgcttttt agccccttgg cttcccagac tctcatgcag 180
ttggttgtaa attcttccag gagctgtttt tctgtctact tttcaggatt taaaaaaaaat 240
ttttttcnaa aacttttaaa aaaaaaaaaan gtttaagaag cnaattgnca gagggaggaa 300
gcattgactt tttttgnta attatgcttt tttttttttt 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

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<210> 6198
<211> 190
<212> DNA
<213> Mus musculus

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<400> 6198
tgcagcccaa gcacatgagg gaggccgtcc ggaggttgaa gtccaagggg caaatcccca 60
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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<400> 6199
attcattcat taactcggct acggggaccg tgccaagttc ggaagaatca tcatacagga 60
tgcttgtaaa caaaaagtta attaaagtaa tgtgcgtaaa aacgttgagt gctgtagggg 120
tttctcatcc atcataccta tgcattttcc aatgcatttc tcctcccagg ccatctgcag 180
gtgactctgt agcagtgcc ttttttctag gttggctttg gccatttctt ggtttttata 240
tttatcaaga ctgaaaaagt ttacgatag caagtaaaca tttgtgactg aactattagc 300
cggaatgtgg aaatgtgtat ttataatgt gggaaacttt gggaatatca tttttgtcct 360
gaata 365

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<210> 6200

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<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 cgcacagtat 300
 cagtaggact tggttcccag gattcctgga accgggtgga ctgtagttcg gtaggatttc 360
 agaagatcaa gttacagtct gtttaaagcc ttaggtggga catcagcggc caagcggggc 420
 ataaagagac atttagcaca tttttctatt taaaagagac tcagagggtg aaaaatatat 480
 tgagtttatt tattcttgct tggattgcat ctgtga 516

<210> 6201
 <211> 304
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (54)..(54)
 <223> n is a, c, g, or t

<220>
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 <222> (124)..(124)
 <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> (145)..(145)
 <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> 6201
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 taattttaccc aagaactttct actcttttctc tgctgacatt atattttatat gttatttaaag 120
 aggntgggttc ttttaaagnt ttcanctagt taatttttatt attcagtcen agataattta 180
 tttgtaatag acataaagaa tctttttgtaa atgccnagtt acacccaaat attgtaccct 240
 ttaataatta aacatcagtt taaagctgga cactcctagt gcaggggaca tgtggcctaa 300
 ctct 304

<210> 6202
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 6202
 ggacaagtat cctccagtca atcgaaaata tgaatatttg gatcatacgg ctgatgtcca 60
 gttacacgca tggggagaca ctctggagga agcatttgaa cagtgtgccca tggccatggtt 120
 tggttacatg acagatactg ggactgtgga gcccctccgc accgtggaag tagaaaccca 180

<210> 6203
 <211> 453
 <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> (360)..(360)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (393)..(393)
 <223> n is a, c, g, or t

<400> 6203
 cagcaacttt tttagttcca tgcagtgtgc tgggtgaagtt gatcttcata cagaaaatga 60
 ggaagattat gataaatatg gaatccggat tagagtaaaa tttcgcagta gtactcagct 120
 gcatgaatta actcctcatc atcaaagtg aggtgaaaga agtgtttcta ctatgctata 180


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cttgatggca cttcaggagc ttaacagatg tccgttcaga gtagtcgatg aaattaatca 240
gggtatggac ccaattaatg aacggagagt atttgaaatg gttgtgaaca ctgcctgtaa 300
agagaacaca tcccagtatt tcttcatcac accgaagctt ctacagaatn ttccttattn 360
tgaaaagatg acagtgttgt ttgtctacaa tgnctctcat atgctggagc caaaccgatg 420
gaatttaaag gcttttcaaa ggcgtcggcg aag 453

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<210> 6204
<211> 517
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

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<220>
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<222> (167)..(168)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 6204
caaggtcctg gaaactgttg tacaagtaac aaactacatt tttattttaa aaacccaaaag 60
cagattttct gattcatctt acagaatctt cattagactt tgagccagtg gaacatacta 120
gattctttta 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

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gtctccaccc caggaaggtt accagtgtga taccagaac ttacaggtca gggctctccac 480
 agaagggcag gtgcagcagg tgcagtcac aactaat 517

<210> 6205
 <211> 382
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (286)..(286)
 <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> 6205
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 ggtgttcaga tgggtcccat cagctggtgt gagatgcagt gcccgaagac ccacactaaa 120
 gaattccgaa aagtggcccg agtacagccc gagttcctac agacctaacg ccacctaccc 180
 caaagaggac ttcagcactt cagctacttc taaaagtaca catataaaaa aacctcaag 240
 atgcaatggt ctttattaag gtacctgcgg tcagctggca accatntctt gaaacaatgt 300
 gccggaaatg tattcatgct gtaatgacac ccaaggcccc tncgctgct gagacaggga 360
 gattgttagt gcccaagttt ga 382

<210> 6206
 <211> 361
 <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> (318)..(318)
 <223> n is a, c, g, or t

<400> 6206
 acctgtctct agatatgggt gaactggcac tggctgaagt ggcaagaaga anggcgcatg 60

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atattgatgt tgagtcagta tcctctggag tcgagctcct ggggcccttg gacagaagag   120
acatgctgaa tgaaggtttt gccagctcag ctctcatgcc tgaaggagaa aacaagtttc   180
caggccttct tccttcatt ggttcaacac acatgcaaac tcttcaacag aaaataccaa   240
atggcccttc aagcagatgg gcaattgaga gaaggactga ggaagaagag gaggaggagg   300
aggaggaaga ggaggagnta tgcactgact cttcaggggc caccacctgg aatgcagaag   360
g                                                                           361

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<210> 6207
<211> 573
<212> DNA
<213> Mus musculus

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<220>
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<222> (65)..(66)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

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<220>
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<222> (344)..(348)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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> (363)..(363)

<223> 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>

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<222> (390)..(390)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (393)..(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> (399)..(399)

<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> (428)..(428)

<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> (479)..(479)
 <223> n is a, c, g, or t

<400> 6207
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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 tgaggggaatg tttggcaaca 300
 tgacagtga gacgcgggtg ntccacttcc agttcntgca gttnnnnncn ncnnnnnnan 360
 nancatnnac agaantttcn ttcccaagcn tanntnatng atgagcttgt gganatggca 420
 tttgaggntg gagacgacga ntacgggaag tgaccctgaa gaatactaac ctgagtttnt 480
 ggcaagctac ctacctcggg gggttgggac atggccctaa tgctgctggt attatccaga 540
 accatgttgg actgaggtcc caatagagtt ttt 573

<210> 6208
 <211> 441
 <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> (325)..(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> (416)..(416)
 <223> n is a, c, g, or t

<400> 6208
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 catcttcata aaatgggcag acccctgggt catagggatc tgggttttct gagaacctgg 120

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tgtcctagga agtgggttggc tttttctttt ctcttttttt cttttgtctg gggcgtgggg 180
aaaggaactt ggactgtatg gagagataca gacccttccc ttcctcaggg aagatggagc 240
tgctgatgca tcagcctgtc actcggaatc ggcaaacttt actgaccact cagagccaca 300
tttgtttttt gtttttttnt ttttnnnntt tttngtaatg ctcagacata aacttaacat 360
cttgatggaa gaagaataag gggaacttca attatgattt ttatccagac aatttntatt 420
acacccttct ttatgacaag t 441

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<210> 6209
<211> 305
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

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<400> 6209
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gccagaacaa gccngctggc agaagagact tcaaggactc caagcctaca gcagtgcagg 120
agaacttttg agcacttcag accttgccaa gactttgaaa gatcttacat caacagacac 180
agttgcgtct gcttcagaca ctcaagccac cagcattgac atcacatccg taccaccctt 240
tgagtcattt tcacatttgg caaatatgat tccagaagca ggcccacaga tcctttgcaa 300
agaat 305

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<210> 6210
<211> 510
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

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<220>
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<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> (436)..(436)
 <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

<400> 6210
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 catggggcca atattgacta taacatcagc catctcggaa cacctctgta tgtggcttgt 120
 aaaaaccagc aagtagcctg tgccaagaag ctctctagaat caggagtatc tgtgaatcaa 180
 ggcaaaggct tggattctcc tcttcacgta gtggccagga tgtccagtgt ggagctggtg 240
 catctgctca tggatttcgg agcaaacgct caagccaaga atgctgatgg caaacgtcct 300
 gtggacctgg tgcctctgga gagtcctttg atccagatct tcttcagaa tgaaggaccc 360
 cagtctttga ggcagntatg ccgcctgaga atccggaaat gctttggcat tcggcagcnt 420
 nataagattt ntgagntcnt cctcccggaa gacctgaagc gnttcctttt acacctctaa 480
 ttgtggaggg actggattcg caagcaactg 510

<210> 6211
 <211> 548
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (166)..(166)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (421)..(426)

<223> n is a, c, g, or t

<400> 6211

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gggtggcacc acttatgaga tttctgtgtg aatcttggcg cctcccttcc cccacacctc    60
tgcacctaca ccaaagggcc tcaggtggcc accttccttc cttcaagggg ctcccccttct    120
ttgcatggac atttttaaaa tcaccgactc catgaggatg aggttntggt ttacaaaatg    180
ccatgagggtt aaggagagtt gggaccctga gactggagtg gcacctcccc ctcctttgat    240
cttttaagac cttcccttcc ttgatccctg gaccagactc agtggacatt tgtgcaattg    300
ctcgccctgg agggaaccag atcattttta aaccagaaat aatttttttt attattgtta    360
cggattctat ttttttctc ttctccgtta ccaggtgtgt gtgtacatat atatatatat    420
nnnnntata aatatcaaag aaattatata tctatcctgg gatgggaaaa caagggaggg    480
atatatagat atatatatat atatatacat aaggaggggg attttattct tccctttcct    540
tagaccag                                         548

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<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>

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<222> (350)..(350)

<223> n is a, c, g, or t

<400> 6212

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gtatacttaa gaaaaataag aacacatatc tttatctatc tatatataaa gtttaaagaa    120
gagtgcactc tgaaaagtgt gtctagatct attttttcat ctcatttttg taaggaaaag    180
caatgtgcat tgtttcttca acacacatga ccctcacttt ctgccagcag acataaacat    240
acagttagtc cgggtgaagcc tggggtagct gtggcgggtg tggacacagg acagggagga    300
aagaagacag acggaagggc atgtgacctt tgagncaaat acctccattn tcttccaatg    360
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<210> 6213

<211> 488
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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

<400> 6213
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 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 taaccagag cccctgacac agcctgcaga 60
 tggtcagggg cttcctcttc ttctgagcc 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

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 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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 ttggcccagg tcttaaacad ggagcctctc tcagatgtga cagctaccct cctgtttgac 180
 ttcttggagg tgtgcgggaa cgcccttatg aagcagtacc aggtccagtt ctggaagatg 240
 atactttctca tcaaagagga ctacttcccc agaattgaag ccatcacgag ctcaggacag 300
 atgggctctt tcatacgtct gaagcagttc ttggagaaat gtctgcaacg aaggagatt 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

ggctctgaagg ctggttgtct ggggctcagt ctctaggtcc agaaacagcc tttgttccat 180

gataggcaca gctcctgaga agcttggaca gatgaggagc gagcgcagga agaagcctag 240

gcagccaggn ccgtctagca tccagaaagc gactcttcat gtntcaatt acaaggacat 300

tcttaaacctt 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

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ccctcacaaa gctggaatga accaaagtga aaaggacggt tcccaggcag catctgtcag 120

tatgtcagag tgctagtgtc 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
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ctgcttcaaa atccagcccc caaaagccct gtaccctctg ctagatacag gcgatccaag 120
caggccccctt atctgtacat agtgactgta ggggaccct 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

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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> (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

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<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 tcattcttagc 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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 tcttgggtttt ggaatactga taatgtcaat atgttaatga accaactaaa ccctgaagat 180
 aaaaagacct ttaatatgta tgtacggcag ttacattggg cagaatatat agaaaactac 240
 tgcattgggga ctaagaagta cgtgttgaat gaagagatgt ctggcctccc tgctgctcgg 300
 aagcatctca acaagttgcg gaatatccgt tatggtttca atacaatcct tgtgatactt 360
 atctggcgca tttttattgc aagatcacao atggcaagaa acatctggta ttttgtgggt 420
 agtctgtgtt acaaattntc tgtcatactt ccgagcatcc agcactatga gata 474

<210> 6223
 <211> 524
 <212> DNA
 <213> Mus musculus

<400> 6223
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 ttataagagt tcttacagca agaaagactg tttaaaaaaaa aatcctgtta ccttgagaag 120

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aattttggat gccagggctg gtgaagaagg gactgacaat ggaccatctt cctagaactc 180
ccaactaaat acttcaggac acatcttctg gaatgtatct 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
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<210> 6224
<211> 457
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<400> 6224
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gccaaagacct 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

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<210> 6225
<211> 559
<212> DNA

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<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

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<221> misc_feature

<222> (482)..(482)

<223> n is a, c, g, or t

<400> 6225

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ttttttatatt ttattttttt taagcttttg gaaaagttcc aggtcctcgt gtattgtgca 180

ataacagtga cttcctcagt gggttgggga cgttcattgc cggcaatgga cgttgtaaaa 240

ggaagagttt tcttaactcc tgccacttgg tgattaatgc atgatagggc ctatgaaatg 300

aatttatcag ttgttgtggg attataagga aagtgaggga tccaacatta cattgaaanc 360

cacccaatt gtttatattt ggattctatg cactgtgatc ctaagnccaa cagcatgaaa 420

ttacatgcat ctttaaagga ccgaaagaaa gatcattgca tatttattta attgtttata 480

tnctgctgtc aaattgtttt gacatggaaa gttttcgagg aacattggca gagaggtaca 540

atatgtttatc 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>
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 <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>
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 <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 atgcagtcac 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 cagagacgcy 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 accccatatt 120
 gttacagcac agctgccc 138

<210> 6228
 <211> 327
 <212> DNA
 <213> Mus musculus

<400> 6228
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 tgaacacata cttacttgat caaaattatt tgtaaagaac atctttccta ctttttgatt 120
 ttaacaaatg caaattcagt tctctaaaac ttgaaaacaa acaaaagaaa ccagttctgt 180
 gaaacggtac ctcatcctg gaaataatct 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 ggttgctctc gagacaagct tcctagagcc acgacaagca 120
 ggctgctggt ggaagggtgga gcccgagatc cttggccctt cccattagct acccagacct 180
 ctgactcctg ttcccgatac tctttgggtc ctggctcctt cttggacccc aagcctcntg 240
 agagaggagg gaagggggag actaaagaag caatattgcc ccatacccc 289

<210> 6230
 <211> 137
 <212> DNA
 <213> Mus musculus

<400> 6230
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 gaatcaaatc tgacatt 137

<210> 6231
 <211> 337
 <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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 <222> (154)..(154)
 <223> n is a, c, g, or t

<220>
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 <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>
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 <223> n is a, c, g, or t

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 tttatcttta cagttctgta caagtccatc tgantccann ngtgtatcaa atgtgtgagg 180
 tttatgacct tatttagaaa tgttttcttc ctttcatagc aatttaattt gtaaaacacc 240
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 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>
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 <222> (401)..(401)
 <223> n is a, c, g, or t

<400> 6232
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 cagcccgatg cnaggcagag ctccagggcc accgaacaga caagcagaca atcagcggac 240
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 tcaccccagc ctggctgggt gggccttgga gagtcctggt tgcacatcca ggagcatctg 360
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 ccctccatt gtgaaccca cagccctctc caaagatacc tctgaggctg tccagctcag 480
 ctggcttctt aggaactgta ctgaccagc tgc 513

<210> 6233
 <211> 569
 <212> DNA
 <213> Mus musculus

<400> 6233
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 tagtacagat accaattttg acacctggat taaaagatgc caagaaattc agaatggatc 180
 agaatctgaa gtgtctgcat ctgagaggac 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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ctgatcgagg tcaacgcgtc cccgtctctc acatccagca ccgccaacga tcgaatcctt	180
aagtacaacc tgattaacga caccctcaac attgcgggtcc ccaacggcga gattcccgac	240
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<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>
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 <222> (384)..(384)
 <223> n is a, c, g, or t

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gccacagcct gcctcccat ctgcatacat gttacggctg ccacctctg ctggagccta	180
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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
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aaggcctcca ctagtgacta ccagggttatt tctgacagac agacaccaaa gaaggatgag 180
agccttgtgt caagagcgat ggagtacatg ttcggttggt agtacagcag gagctggact 240
gagccgctat gctacagtag cagagggctg ccatgccatg ggtagttgt ataaccatcc 300
tggcagtgtg ggatacccat ctcggataca tctttttacaa tccttttggtt aaggaaacag 360
cccatctgta gcttgcactt taaaagatgg ccgtgataga cctgaagaga agatgcccac 420
atggcatttg tgcttctgtg atgtagtgc tgcttagtgc cgggtacccg gcgactactg 480
cggtaatta aa 492

<210> 6237
<211> 508
<212> DNA
<213> Mus musculus

<400> 6237
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gttcctgaag cagaagtgga ggacgatgaa ggctggatgt cacatgtgct ccagtttgaa 180
gacaaaacca gaaaagtgaag agatgcaagc atgcaggact cagacacatt tgaaatctat 240
gatcctcgga acccagtga caaaaggaga cgggaagaga gcaaaaagct gttgagagag 300
aagaaggaaa ggcggtgaga gccagagcgg tgatgccaga gtggtggccc ctgtggggtg 360
tcctgtcaca gccatgtcta tggaatcgca gaggcgggtg gaaggctgtc agagcctgtg 420
ttctgatttt tcagaaaaca ggtctctcct tttgtaaatc tggaatgatg taagaaaatg 480
cttttggtta ctgatacatt tttcccta 508

<210> 6238

<211> 419
 <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)..(366)
 <223> n is a, c, g, or t

<400> 6238
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 gccagctaag gccatagagt ttctcagtgt tttcagatca cttttggatg ggcagccttg 120
 cagcacggag ctctcccca cagtgcactg ttactgcttc tccaaagata gcgatcctgc 180
 taaggatgtt cgtcagcagg cggaagctgt gctgggctgt tccttggaga ccagtagttc 240
 agttcatctc gtaaggaatg tggcccctaa caaggagatg ctgtgcatca ccttcagat 300
 tcccactgct acactctaca ggaaccaaag cctcagtcta cagaangacc aagaaccacc 360
 tcttanacgg cagaagacag gtgaccggtt 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 caccctctcc 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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ccggtggtac ctgaagatga aatgtggcaa ctgtggtgag atttcagaga agtggcaata    60
catccggctg atggacagcg tggcgctgaa aggaggccga ggcagtcct ccatggtcca    120
gaagtgaag 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 aaaagggtca    360
ggagtctgtg gggattttcg aggtcaccca tcagtttgtg aagtgtgaa ctgtctgccc    420
gcaaacttgc ctgtaag                                                    437
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<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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ggaacaagct gtgcttctgt cacgcctgga ggaagagtac cagatccaga agtggggcaa    60
cattgagtgg gccacgact atgagctcca ggagctgcgg gctcgactg ctgctggcac    120
cctttttgtc cacctctgct cagaaagctc tacagtcaag cacaagctcc ttcaagagtg    180
aggcccgggg tgcacacgct gtctggaagg aattgcacag acacaggctc cctgatgtgg    240
gcctccttgg ctgttgacc 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
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<210> 6242

<211> 488

<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> (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 ttacagttt	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

ttacaccggt atcctcatcg agagagccat gaaggacatc cactactccg tgaaacccaa	60
caagagcaca aagcaacagg ctttggaagt gataaagcag ctgaaagaga agatgaagat	120
agagcggggc cacatgcgat tgcgcttcat cctgccagtg aacgaaggga agaagctgaa	180
ggagaagctg aagccactga tgaaggtggt ggagagtgag gactacagcc agcagctgga	240

gatcgtgtgc ctcacgacc caggctgctt cagagaaatt gatgagctaa taaaaaagga	300
aacgaaaggc aggggttctc tggaagtgtc 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	
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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 gtggagttaa ctgtactgtg aaattttcac	420
atttgaattt ttttaattgc ctggcaaatg ctgatatcag ttcaaaaata tcagcagaat	480
gattgctgaa ctcattacag ccccg	506

<210> 6245
 <211> 227
 <212> DNA
 <213> Mus musculus

<400> 6245	
ttccctatag catccagacg gctgaaaagc agagggtggct gcactcctac ttccacaagt	60
ggtcagcaga gacatccggc cgaagtaatg ccatgccaca cattaagacg tacatgaggc	120
cctcgccaga cttcagtaaa ctggcttggt tcctggtcac aagtgcgaat ctgtccaagg	180
ctgcctgggg ggactggag aagaacggca cccagctgat gatacgc	227

<210> 6246
 <211> 526
 <212> DNA
 <213> Mus musculus

<220>
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 <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 cntacatgc tatctcgga ctttgaaagc 480
 cattagtggc aaggaccaca ttttatgttg tcaccacaa 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

<220>
 <221> misc_feature
 <222> (95)..(95)
 <223> n is a, c, g, or t

<220>
 <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 ttttaagccag aaggtttctct 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 gtgaagtta gcattggaag 60
 acaacttctc ataaaattcc catggctctt ttcctttggc ttttttcaa aacaaggctcc 120
 aacacaaaaa cagatggatg agacatcatt tacaatgaca ttctttggtc aaggatacag 180
 ccatggcact tgtgttgaaa agaacaaacc aaatatccga atctgcactc aagtgaaggg 240
 accagaggct ggctacgtgg ctactcccat agccatgggt caggctgcca tgacttttct 300
 gagtgcgccc tctgaccttc caaaaggggg cggtgtcttt acacctggag cagcttt 357

<210> 6249
 <211> 533
 <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> (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 aaacagtcac tgcagccngt 120
 ggttctgcct cccccgtaga aagcatttgg cagatggctg tgggttcctc ccgggggctg 180

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cttgccaccc agtgcccaag agctctaagt ggtgccggcc agcttcgcgc aggggtggaca 240
gatatcactg ggtcaacgca caactgttca gtggtcagac agcaccagga gagcctggag 300
aagaggcctt gtcttccta 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

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<210> 6250
<211> 469
<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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<220>
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<223> n is a, c, g, or t

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<400> 6250
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agtaattgga tcccaaagtt ctttggtat tataaagtat agacactata tagctaccta 120
taaacagtat agcagtgaat tgtgtgcatt ttaagagatc tgcactcttg ggtcttgtca 180
gtggcataat ctctgacttg tttgaagaca ctccaagcct ttccaatgtc atcctgctct 240
cattacaaac cttcactttt ggaatggata ttttttgtgc atcacacaca tgctttttgc 300
cngtagttgc cttagtcatc tttctgcagt agcatctgga catcacaagt cctgctattc 360
attaatcaag gaaatctgnn nagagatgac agtgccctaa agtagtttac atcctttcag 420
aaagtatgtg taagtgcatt cttctatgca ctttcttatg tagtacttt 469

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<210> 6251
<211> 468
<212> DNA
<213> Mus musculus

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<400> 6251
agtgtgtcac tcatggctct gcggagaggg tcaaggaacc tcgtcttccg ggacttcaca 60
gatgaaaaag agggaccaat aactaaacac atccgactaa cagctgcctt aatattaaaa 120

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aatatttggt aataactcaga gtgtggggcgc agattgttaa agagacatga aaacaactta 180
tcagtgtctg ccattagtaa catggaagct tcctctaccc ttgccaaatg cctttatgaa 240
cttaatttta cagttcagag taaagaacaa gaaaaagact cagaaatgct gtagtgaatc 300
ctacccact gacacagtgg ggtctcaaag tcaaatacat ttcacatact gttactgaag 360
aaagcaccaa gtcttaatgg agcagagacc atagaatgaa ttattttgtg tcctccatga 420
tgctgagagg aaacttcgta ttctgatctc tgaacgaatc cctttctt 468

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<210> 6252
<211> 506
<212> DNA
<213> Mus musculus

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<220>
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<222> (195)..(195)
<223> n is a, c, g, or t

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<220>
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<222> (446)..(446)
<223> n is a, c, g, or t

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<400> 6252
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taagtggcaa aactgtaccc ctcacagtga ccaagagcca gttttcccg tccatccaaag 120
cccacaacca gaaaatgaag ctggcttggg gcagcagctg actccaacat ctgcctggta 180
actaggccca ggganagaag cgaagagtag gagaagagat gtttggcaga gtgtagtggc 240
ttgtgttggc 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

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<210> 6253
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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
 <222> (381)..(381)
 <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> (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

<220>
 <221> misc_feature
 <222> (460)..(460)
 <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> (539)..(539)
 <223> n is a, c, g, or t

<400> 6253
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 ccgaaagccc ctcacctacc aggctaagca gcttattgct cgggagattg aaatggagaa 120
 gatgcgagcgc gacagaggctt tggcctgggc tcgaagtggc ccccaggtgg accagggctc 180
 ctcagggcct gcaagtctgt ggacagacag tggggaaaag gggacaaggc agcctgtccc 240
 acgtaaccat gagcagcgcc tagaacacat catgacgaga gcaaccgtgc aggagcagcc 300
 tgagaggggac ttctttggac gtgtgggtcat caggaaagtgc gcagtcccga gcagagaggt 360
 tgaggccccc cnagaaggac ncggacgagt ggcgcatggg tntggcnagt gggcaggagt 420
 gaggtgtggt tccggttcaa cgagggcntc tcaaagtctn ttcggcncag cctgtacatc 480
 agggacctgc tgtagcccca ctgccccagg acatcagatc gcactggctc ccacagggna 540

tggactaaag cagagacacc cggaga

566

<210> 6254
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <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

<220>
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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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 <222> (251)..(253)
 <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> (286)..(286)
 <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> 6254
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 ttgaataatt gcggtttgca cttactgtat gtcagaccac atcactacat ctctatgcaa 120
 gggggacaag gcaatgtggt ggtcaaggat cttttagcta acctagtcaa agacttttcc 180

agttgattaa tctatittca tatttataaa ggagtccttaa tgttttncct caagactttt 240
cnacctntgg nnnntgggag tggggctggt attgtagncc ctaggnccctg ctctatgtat 300
gtntcaacag gtgatacaac cctttagtta atgggtttata 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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<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
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<222> (200)..(200)
<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> (223)..(223)
<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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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (261)..(262)
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 <222> (317)..(317)
 <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> (377)..(377)
 <223> n is a, c, g, or t

<400> 6255
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 ccaggaaagg caggaaatgg agcccagtc ctcattctccg ctcttcagca gcgacatgct 120
 ggctcttcta gaaacctgga cgccgccgca ggagtgnccg cctgcntgaa gagtggaggg 180
 gacaatgcaa cggatgattn tcacctntn tgagcacaga canttttcct ttgntnttgg 240
 caccttcgga gggagtagat nntggaagag gcggcagtga taccaacatg ggcatcccgg 300
 ggtgggagct ggccctnadc cagactgtac cattccaacc ctnccttgga aggaggcgcc 360
 caatagggta cacgctntaa agatgaagca ggcacaagct ttgcctggtg tgtattttatt 420
 tattttgtgaa 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
gcaatggctg ctgccgcttc ctcttcctat tatggaaggg acaggagccc antacgtcgg	300
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

<220>
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<222> (52)..(52)
<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> (292)..(292)
<223> n is a, c, g, or t

<220>
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<222> (299)..(299)
<223> n is a, c, g, or t

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<222> (301)..(302)
<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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 acctgagacc aaactctgaa ctccaagct gaaggggacc atctttgcag agtgatggtc 180
 tttggctctg atcacagatt ttctgaagcc ctgcaactnt aaggcatcct tttgtttaca 240
 ctcttagtat agcatttacc attattgctt aagtttttct gtggcctttg gngtacgtng 300
 nncntntnnn ngnacnadc gtaagaancg ncnnnnanag acccngtatg ggaaagaagg 360
 ggaaacgtgt gagctggnc ccanccctncc 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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 gtggtatcac acgatggcca atcagcaagt gcttaaggaa gcctcccaga tgaacctcct 180
 ggccaggggtg tgggtggtaca ggccatttca gtactttgaa aagaatgtcc aaggaattgt 240
 acctgatctt taccattggc ccttcccctg gccggtagtc caccttagta ggcaagttan 300
 atatanccgg ctggttaaacy acacataaca gntctnccnn actagggaat gaagaacagt 360
 ccgaagtgtc aagaactcca tgacagaaga tgccataaag taaccacctc cccctgctat 420
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ctcagtcctt ccactgtgac agttgaagga cttggccaca cagcgactgc cacaggaaca	180
ggcgtctctt caagtcttcc taaatctgca cagcttttga aatctgtttt tgtgaaaaat	240
gttggttggg ctacacagct aactagcggg gntgtngtng ggttcagttt aatgatgggt	300
cacagttggg tgtccaggca ggagtntctt ccatcagtta cacatcacca gatggtcaga	360
caactaggta tggagaaaaat gaaaaattac ctgaatacat caaacagaaa ttacagtgtc	420
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<212> DNA

<213> Mus musculus

<400> 6260

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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 tcaactgcaag ggcagcaaag	360
aattaactac tgattatctc tcatgctgac ttaagagtct gaagactgtg gataacaaag	420
aacttggatc tccctgagat atagtaacaa gtttacagga caaagcagct taacccgacc	480

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 ccagatgagg taccctagct tacattcccc agatgtggaa agtataaggg cactcggctc 180
 tgcccaaaga ctacctctgt ctacagctact aagaattctg tccttacatt tgcaaagtgg 240
 aggcccacct tcccaacact gtcattcat gagcaggagc agtattgggt gctaggcaac 300
 cagatTTTTT ttttcccaac caaagatctt aaatcctgcc tagagggccca caggagggt 360
 tgccccactc agaggattag actcctctcc cagagtcact cacaggcaat tatttcccat 420
 tccactcagt tctggctacc agaagatgct cccctctcag ctgggtgagg ctgctgatat 480
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 caagggctaa caattattcc atatatgttg gtcctgactg aagtaatgac gttaaagtgt 180
 tttgtggata gtagttattg actatatcta aaataatagc attaaatcta agttatatatt 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

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agttgttttt caaaagcaaa ggaatagtaa gtgaagaagc ctatattctc tttgtaagga 180
aaaatgcaat tgtggtgtta attccaaagt atggccttaga aggtacagtt ttccttgaag 240
aaaaagataa accaaagcca cgccttgctt acgatgatga gatcccttcc ctgagaatag 300
aaggtacagt gttccatgtg tttgataagg ttaaagtga gacacatta gattcatcaa 360
atcttcaaca tcagaaaatc cgcattggccc ttgtagaacc acagatccca ggaataaata 420
ttcctcctaa tgttgcagac aaggctctta ctgcaccagg gggaaagaag aggaagcttg 480
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<210> 6264
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<223> n is a, c, g, or t

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gctttgatcc tcgcggaac atcaaggctg tcatggccac taaccgcctt gacactctgg 180
accagcgt catgagaccg gggaggctgg acaggaagat tgagttcagc ttacctgact 240
tagagggtcg aacgcacatc ttttaagattc acgctcgtc aatgagtgtg gaaagagaca 300
ttcgatttga gctgttggcc cgcctgtgtc caaacagtac tggagcggag attagaagtg 360

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tttgacaga agctggtatg ttgcaatcc gagcacggag aaaaattgct acagagaagg 420
acttcttaga agctgtaaat aagggtcatca agtncttacg ccaaattcag cgctactccc 480
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<223> n is a, c, g, or t

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ctgtgcaatt tgggtgggcag gagcatgctt tcatgtttgc caagcttgca ctgtatccct 180
gtgccagcct gctggccttt gctgccacct gcctactgag tcgtttcagc acagccatct 240
tccacctcat gcagatttca gtgccctttg cattcctggt gctccgtctc cttgtacgcc 300
ttgccctggc aggccttcna gtcctacggg gcctctggcc acaccatccc caacaagacc 360
agagtgaacc tgaggcacag tcccagctct tgccctgaccc ctgctaattgc caagaaagcc 420
actcctgcct ntcctaggca tattgtaagg ggtcctatgg agatntctta gtacaagttt 480
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gaaaatcgcc ccattgagac ataccaggtt catgactacc tccgcagcaa gttgtgctcc 180

ctctatgaaa angactgcat ttttgataaa tttgagtgtg tntggaatgg gtcagacagc 240

gtcatcatga cnggctccta caataacttn ttcaggatgt tcgaccgaaa caccaagcgt 300

gatgtgaccc ttgaggcctc aagggaaaac agcaaaccac ggncctntcct caaaccccca 360
 aaagtntgcg tcgggggcaa gcgaagaaaa gatgagatca gtnttgacag tntggacttt 420
 agcaaaaaga tnttgcatag agcttggcat ccttcagaaa acattatagc agtggcggct 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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 <222> (540)..(540)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 caaatccaac attccctaatt tttttcccca agactaccag atgggtttaat agacttcaag 120
 caattgaaaa ggaactctat gaattgggat tactcaagga tcattctttg gagaggaagt 180
 attttcagaa ttttggctat ggaaatatta tccaggatga ccacattcca tttttaagaa 240
 aaggtgtccc agttcttcac ctgatagctt ctcttttccc tgaagtctgg cacaccatgg 300
 atgacaatga agaaaatcta catgctgcaa ccattgacaa tctcaacaaa atcattcaag 360
 tctttgtgtt ggaatatctt cacttgtaat gtttggattt agtttctggt aattgcttct 420

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acagcaactt caagacacca tttatacaan ctgcttccag ataaatgtgt gtagacttct 480
ntcctataga ttcattctgt aggtgttttt ngaatatgtg atcagcgaac tgtagaattn 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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<222> (424)..(424)

<223> n is a, c, g, or t

<400> 6268

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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
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<210> 6269

<211> 370

<212> DNA

<213> Mus musculus

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<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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 <212> DNA
 <213> Mus musculus

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 aatccacagt ccgagtgcag aaggccatct gcagtgggtt cttccggaac gctgccaaaga 180
 aggaccaca ggaaggctac cggactctga tagaccagca ggtgggtgat atccaccctt 240
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 tggagcctct gtacaatcgg tatgaggagc cgaacgcctg gagaatctcc cgagccttcc 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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 atatgaccaa agcccacagc acttcctgtg tccctactaa tgcattgtgca atnnacagag 180
 atcctaant atcattcaaa gcactggccg gttaaaagaa gtggggatgg gtggccagat 240
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 <212> DNA
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 <223> n is a, c, g, or t

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 agaagaagcc ttggaaaatg gaccaaaga ctctcttcca gtgattgcag ctccatcnat 180
 gtggacaaga ccacaaatca aagactttta agagaagatt cggcaggatg cagattctgt 240
 gattacagta cgtcgaggag aantcgttna ccgtccgant cccgantcat gaggaaggat 300
 catacctatt ttgggaattt nccacagaca gttatgacat tgggtttggg gtttattttg 360
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 <223> n is a, c, g, or t

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 tataggaggt gtcctggcag agttacataa agcacttttaa gtcaagccgg agtggttaggt 120
 aagtcctctg cacaggagcc ttgccttggg tgagtgattc actgggatca ttcaggacaa 180
 aggagaagtt tccaggaccc agagtgatga ggtgacaaat actattgggt ctaccccgga 240
 gcttatcatc tatcctctag cntgtctntg naagactgta ggaggctttn ctggnctgag 300
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<210> 6274
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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 tggcttaaata tacatcttaa aattttcatt tcctgtagtt aattctgcat 360
 gtattagtct tagaagtaaa cacaagttaa aacaacctga caggaattcc ccaagtggct 420
 tgttttccaa agtcccgaga acaaccctaa gtttcctagg tcttgtaact cagcaaggct 480
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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
tatccatta ctctctttgt ggag	384

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<211> 517

<212> DNA

<213> Mus musculus

<400> 6276

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tttgggtcaag aaatgcttag aactattttac tgaactagca gaagataaag agaactacaa	180
aaagttttat gagcagttct caaaaaatat aaagcttggga attcacgagg actctcagaa	240
tcggaagaag ctttcagagc tgttgcggtta 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 tgctgtacc ccagcagagc	120
caggttgga ggcagt	136

<210> 6278

<211> 266
 <212> DNA
 <213> Mus musculus

<400> 6278
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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

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 cacctcgagt ggtgatccag cccgacatct acccagggaa ttgctgggcg ttcaaagggt 120
 cccaggggta cctggtggtg cggttgtcca tgaagatcta cccaaccaca ttcaccatgg 180
 aacacattcc aaagacacta tcacccactg gtaacatctc cagtgcctccc aaagactttg 240
 cagtctatgg actggaaacg gagtatcaag aagaggggca gcctctggga cggttcacct 300
 atgaccagga aggagactca ctccagatgt tccacacact ggaaagacct gaccaagcct 360
 tccagatagt agagctccgg gtccctgtcca actggggcca ccctgagtac acttgccctc 420
 accggttccg agtccacgga gagcccatcc agtagagcac tccagccatg tacatgtctg 480
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<210> 6280
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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 aacanaacnga ctcttttcaa agaagtttac cccctcttcn actcaaccct 120

gaagacactg tcataaattg ttgnacngtg gaanttagta ntcccttnnn ngatgttntc 180

attcattaca tctgtttcat gtttaggtgt agtgggcgtg gctgttgaag gaagtttgca 240

ntcttgcagc ttttattccc tgtgcaacaa aagcttagaa cctgttaaag ggatattaaa 300

acaaagttgt agaatacaaa cagtaattgg ccatgcaaa

339

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gatggangga gtcctggccc ctctccact ccgtggagcc agcttagggc tacagcgctc 120
 aaagcaagaa aacgccttcc ccaaggagcc tgcacagtgg gaagtggccg tgccctgttc 180

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tcacttttagc aaagatcttg ggctggagca tggggtaggc ccaggaaagc ccctgggggtt 240
ctggaagggtg gctccagctt cacgtctgcc aaccatgtgt gttcccagct tgcccgcaga 300
gccctgtgcc ccngtgcaca ncctgcacag gtaacacaga gcctgagagt tacagcgggc 360
acacgggaga gttagtgtga 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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6282

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atgcacacag cccaaccagg gcccgcaggg cggtgcagggt tctccaacct gggcgagatg      120
gaacaggact tggactagggt gggggctctc caggggcttc aactccagtt ctacttcccc      180
ggggcggggc ttctgagcgc caagggtgagg ctcttcgagt caagaatgct gtctactgtg      240
cagtcatttt nctngagtt tnntnnaagg agttggctgc catntccca ggcccatgct      300
gtcacctcnc ctttcttggt ggatacttca gaggaggtat ntcttcctcc catctcaggc      360
tttggncccc tcaatcctta gttttcttcc atggacaatc aggncccttct gtggcctggg      420
ctgaaatcca ggacacgggc tcctttt      447

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<210> 6283

<211> 364

<212> DNA

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<223> n is a, c, g, or t

<400> 6283

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tagtggacgt gttccgaaag ctgcccttcc aggcgggtcac cgctcaactg gcaggcgtga      120
agtgcagcca ngtggtcgga ggaggcttcg atggtgtttc gaaatcacgt ggagaagaaa      180

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gccctggtgg cgttggtgca gacagttggt gagcacacta atccttggga ccggaaagtg      240
gtgctctatc tcgtagacac gtcgctgccc gacactgaca cctggattca tgactttatn      300
tcacagtatc tgctagagct ttcgaaangt taattnaatc actgcttgag atgttgaccg      360
ctaa                                                                    364

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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 gacagatggt ttcgaaggca gtataattcg ttgtatgagg cgtctggaag      300
aactgcttcg acagatgtgt caagcagcaa aagccattgg aaacacagag ctggagaaca      360
aatttgctga angnaattac caaaatcaag agggatattg tatttgctgc cagcctctac      420
ttatagagtt cagcgttatc cacca                                                                    445

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 tggcttccat accctcaagt gagcaagaac acttgccagt gttaaaccat tctccgcctt 180
 agagtagcca gcttttctac agaagtcctt tctatgctgg acacatcggt gcacttttgg 240
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 ggagggncct ntncactaag cgtaggggttt gctgggttgg tctactggcnc agtactgatc 360
 cacaggcagt tgnccccta tggaggagtt taccacagca tggttgtaat tttttcccca 420
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 cagagtctgt atctcgggtt gtat 504

<210> 6286
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 <212> DNA
 <213> Mus musculus

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 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
 ccccccttgt ctcttagcac ttgttagaga acatcagcgg ggccacatca gtcgccatgt 420
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<210> 6288
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<213> Mus musculus

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ttcattaact ttagccgggt acagcggggcc tgaanacta catgcactgc ctttgggagt 120

gggcctgctc cttccttacc ccatgaggag ccctgtctga ggcttcctgg gcagactcan 180

cagtaggggc ccttcccagt cgtctcctcc ccttgtcttg gcatcagttg ttttctatga 240

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 ctnnnttcta cctggtcaac aaaggccctg gtccatggtc tcccttgatgc tcaatctcag 180
 caccggctag gggaggtatc ttggtatctc ggtactcttt ctccactctt tntggggtag 240
 gncagnancc ccntgaganc ccngtngtnc cncnnnccac tnacancanc ataantgaag 300
 gatntnataa taccnacnan ntntnncaaa gtggtgggnt ctagantcag cactgancca 360
 tttccttttg anccttcctt taaccacnca ggactataaa ctgaatgggtg tatacatgac 420
 antcacagat tgcccttttg cgnccagaga ncccaacttg gagacctgta ccccaggtgc 480
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<223> n is a, c, g, or t

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ctttataatt ttctctactg tcccacactc ccgttggtctt tatttccctg ctgtctcctg	180
tcctttgcag cgtgaccccc actctttgcc aactcctcct tcccacaggc actggccaag	240
ctttaggggca ggttctcttc tgagggaact ggggtggtgtc aggccagcag tgctgtgctt	300
gggtcactgt cgccttgaac ctacactgta cccttggtcca gctcagcact catgatgcag	360
gacagcaggg tcccctagca ctttgccagc actgaggatg gcatgttnnt cttctctttt	420
ggaggcgagg gacttccctt ctgtattagg ggagaagaac agaacctact nntnctggac	480
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<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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 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
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<210> 6292
 <211> 86
 <212> DNA
 <213> Mus musculus

<400> 6292
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 agaacacaca gttgtaaaat gatttt 86

<210> 6293
 <211> 347
 <212> DNA
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 <223> n is a, c, g, or t

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 ttgccacata attatcacat tgattttgaa atcagaatgg atactaacag gaccaagta 180
 ttttcatttt ctgatgtaga tgcaagttct gccacaaaca tgcagagagt agcagtgtctg 240
 tgtgttccta agtctgttta ctgttttaaat 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 tgggtgctcag aaggtagtgg accggctacg gaagtacgag tctgcctatg 120
 gaacacagtt taccocatgc cagctgctcc tcgaccacgc taacaactct agcaagaagt 180
 tctaccagtg acaggccctc ccaccctacc ccaccatgca ctaaccaga cctggcagtg 240
 ccgctttctca gctgtgctgt ccaaattatc agga 274

<210> 6295
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 6295
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 ttcaggggtg gtgtaattct ggtatctcat gatgagcgt tcatccgact ggtgtgcaag 180
 gagctgtggg tgtgtgagaa cggcagtgct actcgggttg aggggggctt tgaccagtac 240
 cgggccctcc tccaagaaca gttccgccgg gagggcttcc tctagagccc cagttgagta 300
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<210> 6296
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 <212> DNA
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 <223> n is a, c, g, or t

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 tcctctgagc gccacaagct ctatctggtg ttttctaagg aagaactaag gaaactgctg 180
 cagaagttaa gggagtcctc tctaattgctc 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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 ctcttgcccc ctcaattcca ggtgccccac agccaatccc aagactcttc ttgctggag 120
 aacacacaat ccggaactac ccagctacag tccatggtgc tctgttgagt gggcttcgag 180
 aagcaggaag gattgccgac cagtttttgg gagccatgta cact 224

<210> 6298
 <211> 323
 <212> DNA
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 ccaggtgtcc ctgcacagca gtccccaagt atgtgagaca gatggttctg aacagagaga 120
 tccaacggca tgtcatctgc cacgtaagca agctcttcta gcaatactag atcctactga 180

gaaactccat ntcatacagct actggganc ctagtttgac agcagaggct ggctcctttg 240
gctgacagca acttaccat tgatttgaa gtacagctcc ataaagactg ctcgagaagc 300
aagtgggtgtg agataacctc tta 323

<210> 6299
<211> 488
<212> DNA
<213> Mus musculus

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<222> (74)..(74)
<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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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
tttaccacct ggaccagaac ttgtctgatg aggactaatg gtcacagagg atgctttgcc 360
taagagccac agtgggggaa gaggggaagt taggcagcct tgggacagag gagaggggtct 420
ctggctgtct agggaaggac attgaggggc tcaggttgag ggttgcccac tgtgttctcg 480
gagttgac 488

<210> 6300
<211> 247
<212> DNA
<213> Mus musculus

<400> 6300
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ggttggccca ccttggggga gaggggacag gcttggatat ttgagttcct cacatactgc 120

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agttatTTTT gttaacaacc aattacttcc ttgctttgtt ttgttgcctt gcctgtaggg      180
aggtaaagtt gcttaattag ttaatgtata aaaatacatg ccattgcaca ggctgcgtgt      240
gacagca                                           247

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<210> 6301
<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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

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attctgtgtc tantcacagg ctctccagta cctgacatgt gta

403

<210> 6302
 <211> 402
 <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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 cccagcccct ggaacaacag cagaagaagc catgtcccga ggcccgcgcc 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
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gatggagaat ggtggacatg gatcaattac agccgcttcc aagagctcgt tctgcagtac 120
gaagagagtg gaggtctcaa gacgttcagc tcgagggatt acatggccag aacccccacag 180
t 181

<210> 6304
<211> 481
<212> DNA
<213> Mus musculus

<400> 6304
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gacccctttt ctgaaggaat catgttcagt gttcggccac ctaagaaaag ttggaagaag 120
atctttaacc tctcaggagg cgagaaaacc cttagtctct tggccttagt gtttgctctt 180
catcactaca agcccactcc cctctacttc atggatgaga ttgatgcagc tctggatttt 240
aaaaatgtgt ctattgttgc attttatata tatgagcaaa caaaaaatgc ccagttcata 300
ataatctctc ttcgaaataa tatgtttgag atttcagaca gacttattgg catctataaa 360
acataataa gtacaaaaag tgttgcagtg aacccaaaac aaattgcgtc taaaggactc 420
tgttgaagtt gttcacactg aaaattttca aatctagatt ggggtgttcta gttttgtctg 480
t 481

<210> 6305
<211> 393
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (37)..(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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<223> n is a, c, g, or t

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<222> (289)..(289)

<223> n is a, c, g, or t

<400> 6305

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tgacagggggg ctatgacctt ccacttaaaa agcatgttta actggatgct gagagcctac     180
tgtgtatgtc aagaagctac acaagcatgt tgtggatatg tgtaaagtat agtccaggta     240
aaacactttg ccaagtttca atagacttca cctctccctc agacttganc ctttactctc     300
aggagggttt gtcceaagca tgagctcttg tattctactt acataggtct aatttataacc     360
aagaatcagg tagaataaat gtgcccacac cct                                     393

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<210> 6306

<211> 489

<212> DNA

<213> Mus musculus

<400> 6306

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acacaaagct gatgatgcc actcaccctg cactcctgtg gctctgacgt taaggtttct      60
gtttagagaa aagaactgtg tagcatgtgc agggaaactgt gaaggaagac tgagaccgcc     120
tggaacacctg tcaggggctc acaccacgaa ctctcagaag ttgggcaggg gtgctggctt     180
tgttagccgg cttttttggg aaatgctttt tttagacctg tatataaatg aagtgggtat     240
gaggtctcag ctaccacgca gatggaacat cgcccaggga cagcttgggg tttccaggta     300
agaaccctag aaaggtggat ttaatcctca caggttttgt tttccaaatt catttgcttt     360
tatttttcta agaactgtaa actctatttt ttcattgttct cagggcccct gggtagacaa     420
acaaagcttg atttcagagc agaaataggc caagaaacca tggcgttgcg tgtgctgagt     480
ccagacaaa                                     489

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<210> 6307

<211> 195

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (48)..(48)

<223> n is a, c, g, or t

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acacctgccca gtcagaacga cctctcggac ttccgcagcg agccagccct ctatttctga	120
cccctgcaac tgtcaggatg gccaaagactt agccccaggt gtggtggtcc tggaagccag	180
tcaataccca ggagc	195

<210> 6308

<211> 417

<212> DNA

<213> Mus musculus

<400> 6308

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cctcatcttc ttttttaaag tacacctgac ttgggagggt actgtctcta atgtatatatt	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 accctcccc	360
accactagg gtccagaaga gcaatggagg aagtgcagc taatggtgca gttctaa	417

<210> 6309

<211> 511

<212> DNA

<213> Mus musculus

<220>

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<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 atcattcag ataaaaaggt gcaggctatt ctggtcaaca tttttggagg	120
aatcatgaga tgtgatgtta ttgcacaagg aatagtcatg gcagtaaagg atttagaaat	180
cagaatacct gttgtggtgc ggttacaagg tacacgagtt gatgatgcta aggcactaat	240

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agcagacagt ggtcttaaaa tccttgcttg tgatgatttg gatgaagctg ctaaaatggt 300
tgtaaagctc tinctgaaata gtgaccttag ccaaagaagc ccatgtggat gtgaagtttc 360
aattgccaat atgagcaaga ccttggtgga tggctacggg tattaatgtg ctgtaattct 420
ttattatact gtggtctnnt cctagtgtcc cttttctttt aatgtgtgga gaatgtaatc 480
accacatagg cacacatacc tttgaaagca t 511

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<210> 6310
<211> 402
<212> DNA
<213> Mus musculus

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<400> 6310
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ctagaacatt aacagtgttg agataatata 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
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<210> 6311
<211> 220
<212> DNA
<213> Mus musculus

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<400> 6311
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agtccttttc ccaccagctc agatagccca gacttttaggc atttcaccca cccagctctc 180
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<210> 6312
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<212> DNA
<213> Mus musculus

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gctgccattt gatttcctaa cttgttctga agtggttcct gagtactgat cactttttct 120

tttgagacat atgacaaagt cacaaagtct cagactagaa gtagcctagt actatcatgg 180

tatta 185

<210> 6313

<211> 254

<212> DNA

<213> Mus musculus

<400> 6313

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ttattttgag ttcttcccca aaggctgttg agtttagcat tagtagggcc atgggtcatg 120

aatctgaagt ttgaccgcc ttgtgtctag agagccatga agagaaaagg atcaaagggg 180

gcaaagtctc agagttaacc tagaacctga cacgctcaac cacactgcag atgtctgtat 240

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<210> 6314

<211> 487

<212> DNA

<213> Mus musculus

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 gctccagtgg aaaatgacaa tagttatgat gaactgaaaa gagatgcaaa gctctgtttg 180
 tcactaatgt ctcagggntt gctgtaccct caacaagtgc ctttgatact tcaggtgcta 240
 agccagacag caagaagcag ttcttggcat gcaagatata cagtgcctgac ctacctccag 300
 accatgggtat ttataacct ctttattttc ctaaacaatg aagatncagt taaagacatc 360
 agatggctga ttatatncct tttggaggat gaacagttag aggttcgaga aatggctgct 420
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<210> 6315
 <211> 395
 <212> DNA
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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> (369)..(369)
 <223> n is a, c, g, or t

<400> 6315
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acgaggaggt gatatcagag gatgccttct acaaatggga gagcagcaag gaccccgtg   180
agcaagctgg gaagggcggt gccctcaagt ctgtcacggc ctttttcacg tggcttcgag   240
aagcagaaga ggagtccgag gataactaat acttcaaata cacaaacgaa acaaaagaaa   300
caatttaagt atttttttan aaaagtttca cgtcttncgc caatcacagt gcangcaagg   360
ccaactctnc gcagaaaccc cacgtgtgcg cgagt   395

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<210> 6316
<211> 439
<212> DNA
<213> Mus musculus

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<400> 6316
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aaacttttcc atacagcccc caatgtcccg cactatgcca aaaataaagc agttggtgtg   180
atgaagtcgg gtcattgtgt tacaattgag ccaatgattt gtgaaggtgg atggcaggat   240
gagacttggc cagatggctg gactgcagtg acgagggacg ggaagcgatc tgctcagttt   300
gagcacaccc tgctggtcac ggacactggc tgtgaaattc tcacccggag actcgatagc   360
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<210> 6317
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<223> n is a, c, g, or t

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ctgcacagac agtgaggagg agcttaagat gaagccggcc tcagcacaca aaccccctgc   180
tgccgctgtg aaaagggagc ccagagaaga acggaagggc cccaagaaag gggctgctgc   240
tctgggcaaa gccaacagac aagtgtccat tactggcttc ttccagaaaa agtaaatgct   300

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acctctgnaa ggactcgggc tggtaaggg agaagaccaa gaagtataga ctgtcactta 360
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<210> 6318
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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

<220>
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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
 gtgctaant aggtcttgcc gtggaatttg gaacgattnt cgtttacaca tgtaaacaga 360
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<210> 6319
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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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 cagctgcttt ccctaggctc tagtgacggg gatgaaaagt acgagaagac cacagtttagc 180
 agtgggggatc caacgtttta taggttcatg aagagaattg ctgcttgcca ggagcagatt 240
 ttgaggtatt cgtggagtgg agagcctctc tttctgtcct gccccacatt tgaagtntnt 300
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<210> 6320
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 <212> DNA
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 <223> n is a, c, g, or t

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 gagacagcac tctgatgtcc nnnnnnnnnn nntnnncntt nnnntgnntn nnnnnnnntn 180
 agatccctaa ggatcccccc acccccctaat gccgctccaa ctctgaatcc tagagggtggc 240
 aaagccacgt ctagaggcca ggcaccctcc tgtttacaga aatgagagct gccccctaag 300
 gnanagactt ttccaaagaa anancntgnt cttgatggag nancntntnc nccttntggt 360
 aaccggaaga aggaccaggc agaantcagt aaaccacaac nntntatgag gggcaacgtg 420
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<210> 6321
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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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 cacngaataa catgtcatgc tctggaacta gatagagtca tcgtacagtt agcattctgg 180
 acttgaactc tg 192

<210> 6322
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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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ttgcatgggt agtcagaaac tgccatttga aaaaaaang ttatttttat agctgcagaa 180

aaatgaatac agttaaagt attatacata attttggaaac caaagaggcc agcggatcag 240

ttttaatttt tattagatgg tgaggccatc ttctatgagg tagatgttct aaacaatcct 300

tcgagtggcc tgccagtgtt tcagggtata aatgatnttt tntttnnnnn nnattcagnt 360

gatgtntctt ttctgtccgt acacaccag naggtagagt aaaataaatg actggtggag 420

tgaagggtgtg tgctgtaant cctcaccttt agttttattta ataaatccct ccttaggttc 480
tgtttcataa 490

<210> 6323
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<212> DNA
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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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tagcaggtgt tgaaaaacag aagaggtcct gtatgcagtc tcataaaca aaccccatca 180
ttttgtcttg gtgtgtgctg tgttggaag ctttgagggt tcctaggtac ctggtatctg 240
gctcccagca gcagctcctg ttcctttag atccatgggc tcctttgtga acaacatacc 300
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g 361

<210> 6324
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<212> DNA
<213> Mus musculus

<400> 6324
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tgacaatgtc aaaacactgt gcacaacgac cgattgtccc tccttggtac tgatgggacg 120
gggccagaaa gtgggagcca aagtgttctt ttctggtttt tctgtgtgct gtaggatgat 180
cgaacggggt cgagggttt gtgggcagtc cccttctctg gtggccaaat ggactttcct 240
ttctcctcag tggcaagcac tacatccaca catgcacttg tgacctttct ttaatgttgc 300
caacttacgt ttgtgcattt gtgtcagaat gtttagttta caaactcggg ggctctaatt 360
gtataatttg ctttgaggag atctactagg 390

<210> 6325
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 6325
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 cagggtgcgc agaagctctt ccagttcctg caggctgata cacacaactc acttagcaaa 180
 gctgcccgcc gcctcagcct aatgttacac ggccttgtga cccctagcct cccttagcca 240
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 atgtctgctg tttccctgct caggccttcc tctctggtgt gtggagggag gtatgcagca 360
 gggctcacgg gcagtgtctt actgattgtg gtaaccagca gggtcaggcg ggcccagggc 420
 acgtagtgtg ccttcttggg tcctaccatg cctgaagcgt gacccaaga tcgtgacacc 480
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<210> 6326
 <211> 516
 <212> DNA
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<220>
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 <222> (354)..(354)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gggcagtctt agactcatcc tgtgggtatt gtggacacac tgcttggctt caagctaggc 180
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 ccatacagac ctgagaagca cttattaagt gcctgtgtat ntcctagaat gggntgggtcc 360
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<210> 6327
 <211> 187
 <212> DNA
 <213> Mus musculus

<400> 6327
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<210> 6328

<211> 316
 <212> DNA
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<220>
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 <222> (53)..(53)
 <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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 cccgaaccag tctcaaggtg ttctttggaa ataaccaggg ttaaagtttt taattttctca 180
 ggaagagctc ttcagcatgg caggacgtgt aatgagggct ttcgcaagtc cttcagcgct 240
 gcagagcagt aagctatcca tccngtgagt gtggcggtc tttctacagc tgaactcctc 300
 ctcagttgag ttttca 316

<210> 6329
 <211> 463
 <212> DNA
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<220>
 <221> misc_feature
 <222> (341)..(341)
 <223> n is a, c, g, or t

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 aatctggggc tgatacacag agccaagcca ctgctttctca tgtggttgat tgtttacaag 120
 cctaattgta aaaactgaag gcatttttcc tgctgccttt tcccaaagtg gttaggtttg 180
 gaaaatggat aacactagta ttattttatt tgtgcttttt aagccatgtc ccccaggtgg 240
 gaatcgcatt cttgtcttca gactcctact gacctgcctc atgagggttg gacatggctg 300
 tgtgggttga ggtgactgct gccctcattg ctctttgcct ntctctgctt tatgcctgga 360
 aagctttcca ggaggtggag gagaagggtc cttacacttc ctgaggtacc gtgtcacctg 420
 cagtgagttg gcaactgggg atgtgggcac tgcagctttt att 463

<210> 6330
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 <212> DNA
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 <222> (321)..(321)
 <223> n is a, c, g, or t

<400> 6330
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 ctgacaccat cgacagctca gggccttcac tgactctgcc taatgggggc tgcctctccg 300
 ctgtgggtct gccccaggg ncgggcaggg aagccctgga aaaagccttg gtcattccagg 360
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<210> 6331
 <211> 531
 <212> DNA
 <213> Mus musculus

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 <222> (317)..(317)
 <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> (362)..(362)
 <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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 <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> (459)..(459)
 <223> n is a, c, g, or t

<400> 6331
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 gaggagactg gagaaaatgg acatgatgtt gcgcgctcag tttggtcagg acccttctgc 120
 catggcagcc ttagcagccg aaatgaactt cttccagttg cccgtgagtg gggtagagtt 180
 ggacagccag cttctagggg aaatggcctt cgaagagcag aacaacagct ctctgcactg 240
 aaccacaccc tcttgccctga cctcccatcc actccagccc tcggggattg gtgctgcagt 300
 cactcaggag gccacantcc ttgctnccac aggcaggctc 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 aaggaggggtg 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 ccgccacca 240
 tatgtactgc ttaagggaga tntctttcaa ggaaaggcct ggcttacatc cagtctcggc 300
 aagcactaaa ttctgtagtg aaaattacnt ccaaaaaaaaa acatcccagag ctaattacct 360
 tcaagtatgg aaacagcagt gcttcgggga tagaa 395

<210> 6334
 <211> 482
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (261)..(261)
 <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>
 <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 aaaacctggt 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 agacttcggt 480
 ta 482

<210> 6335
 <211> 212
 <212> DNA
 <213> Mus musculus

<400> 6335
 agagtctcgg ctctgacgcg gtcttccgcc ggctgcgcta cacgctgtcg cctttacttg 60
 agctgcgtgc gcgcggattg ctgcctgcct agagtgcac atgtcggctt tggccgcttg 120
 tacctctgtc tcctttgtgt tttctgggtg cctgcttata tgaaaagggg ggggggtgaag 180
 ttcgtctgtt ccgatatcac ctgagtgcag gg 212

<210> 6336
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 6336
 gtgggaaaac catactgtct acgttccttc aagggtcata ttaatgaaaa aaactttgta 60
 ggccttgctt ccaatggaga ttatatagcg tgtggaagtg agaacaactc cctctacctg 120
 tattataaag gactttctaa aactttgcta acttttaagt ttgataccgt taagagtgta 180

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ttagacaaag atcggaaga agatgacaca aatgaatttg tcagtgtgt gtgttggcgg      240
gcactatcag acggggagtc caatgtgctg attgctgcta acagccaggg tacaattaag      300
gtgctagaat tgggtataaag agtttcctga agtcaaactg tgtttgatcc tcccaaaagc      360
catctgcagc tgatgatgag aagaaaaaga aatggcatgt aatgtctccc ccaacatcat      420
ttggatttgt ttttaagtacc ttttcctcc tttatgcctt tgggacactg ggaatatcca      480
gagaattcgc caccatcagt gtaactatga actttgctgt tggcagtgtg gcta          534

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<210> 6337
<211> 565
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (167)..(168)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (172)..(175)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(178)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<400> 6337
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cgctggggac ttcctgttaa acacgtggac cccaagccag ttctaacacc aaaggtgttt      120
acaaagaagg acttggctgg tcacatatcc ttaggccttg agtnttnngg gnnnnannct      180
gccgccctcc accccccccc ccccnatca gttataacct tttggttgat gttagcttct      240
ccctatgctg tcctcctcta ccggagcccc ataggcttgt gaatggacag gttcaggcgg      300
cgcccagggc ctaagcattg agaagtgtat tctccatctc ctgccaaact atggctggtg      360

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tcaagggatg acagtaactg ccctgtggcc ctctgaagag gtactgtgga tcagagaaac 420
 tgggtagatg tccacaaagc tgggagcctc attaaagcat acaagatggg aatgggcctg 480
 gaaggggagg ctggtgccca gtagaggcag gtttcctcc tcctccaaag caggaaacct 540
 gagagctaga gtcctgctt aatta 565

<210> 6338
 <211> 85
 <212> DNA
 <213> Mus musculus

<400> 6338
 attaaaacta ctaggactgc tatattcagg aatgtgacag tggaaaagca tttaaatgta 60
 gcttgtcaga ttcaccatgc tactt 85

<210> 6339
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 6339
 cattgtcttt gaatgtattg gaagcagaca tgcattgact gtgacatggt tgcacctgag 60
 gttccccct 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 tttcatttgt gaattggcag 180
 gaaaaggtag cggcatcatg taagttaaaa attggctaatt gttaagtatt 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 aagggtttat tcattcttga attttctctt 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>
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 <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 nnnntngng nanttggcag ctgggggtact ttaagtgtag attgatattt 120

atcttgccctc aggtaagatg aatattacaa agttgcactt tatagatggt ggttaaatgg 180


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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 agagggtggtt   420
tactgtccag tctgccttat ccttaatctg ttcatt                               455

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<210> 6342
<211> 543
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (396)..(397)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

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<220>
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 <222> (413)..(413)
 <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> (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 aaagcagggtt 120

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ttgtttgaag aatgccttta agtggctgta ttttttact cctattacct ggccataact 180
ttgacttaaa tttcattagt acaggtcagt ttcctaaaat gccaaaatga acaaaacttt 240
agcaaaacta tcttgcctca tttgatttgc agggatttta ttatatcatt ttgttttggt 300
ttgtttttta gcactcttaa agatggttgg gcagtgtaat tatcagatgt ttgttttcta 360
aatagatatt tttatatatg ctttatgtaa accaaaatgt gttttattcc ttcagatttt 420
ctaacatgct tacacttggg ctactatt 448

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<210> 6344
<211> 502
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<400> 6344
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ttcaggctcc agaggctaag accaaagaaa atgtcaacgc cacggagaac tgcattctag 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
acctcnttgc caaacgcctg gccaatgtag ttcgccaagt acagacttct ggaggattgt 420
ggactgaatg catagctcaa ctcagtccgg agcagcaggc agccatccag gagctcctga 480
actctgcctg aagggcctta ac 502

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<210> 6345
<211> 122
<212> DNA
<213> Mus musculus

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<400> 6345
actggtttta ttccctgcta ttgtggagat tgtgttttaa tcaggtttta agtgtgtctt 60
gtgtgtaatt gtattctttg catggacctt gtacatagtt ttatttgctg gacttttatg 120
at 122

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<210> 6346
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 6346
 aactatcgta attatctgct gcctgctggg tatagccttg aagagcaacg aattctggat 60
 tggcaacccc gtgaaaaccc tttccagaat ctgaagggtcc tcttggtgtc agatcaacaa 120
 cagaacttct tggagctctg gtctgagatc cttatgactg gaggggcagc ctctgtgaag 180
 cagcaccatt caagtgccca caacaaagac attgcttttag gggatatttga tgtggtggtg 240
 acagaccctt catgcccagc ctcggtgctc aagtgtgctg aagccttgca actgcctgtg 300
 gtatcacaag aatgggtgat ccagtgccctc attgttgggg agagaattgg attcaagcag 360
 catccaaaat ataaacatga ttatgtttct cactaaagat acttgggtctt actgggttta 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

<220>
 <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 gatcgacctac ctgtcctgag gacctgtcta 180
 gtcctgagtc gtctctccct ctgtttngcc cttcaattca tgttcacagt agccttgaac 240
 ttggctgtag gtgcggaatc cctgtaatgt aatggccttc taagcactgc aaggtggcag 300
 tcactcacag antntggcct nttanggcc tccacttaat gagcagggtgg 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
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 ggtcatactt ggcctccatc tgcacaggta gaaacctgcc ccactcagga ccctcccaga 120
 agtgcctcct gaagccaaga agggacttgt atgtggtgcc ttatcaccca ccctctccca 180
 cccagactgt ccttccttgt aaccagagcc ctactgctc ctgagtctta tttataagct 240
 acataaatat ttttaatctg gcccctaatg aagtagctgg tcagatggcc ctttctaata 300
 ctatgtattg angcttatgt aaaaganann aaaaaaatca tcttnccttc ctttttgttc 360
 ctttnttacc cacaagcgat tactacttga aacttatcaa aaaccaatg 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
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 aaaaaggatc aaggctcttt aggacaaggt ctcatgtaaa aggaagaaca tgtctaaagt 120
 aaaagaaact tttataaaaa gtttacattt actatggcag tgttgtgaat aaaaattaaa 180
 ttttgtgttc ttacagttaa 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 catttatattt ccaaaaattg cttcaagttt gagtcttcta 240
 gaatgcttgt aaagtcccgt ttttaatttta agagtcgatt tgtagttctg tagtgtaact 300
 ttgggaacca tctgcccata 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
 gacgggacat cgtgtgacat actcccctcg caaagagaaa gcactcaaga tctacctgga 60
 tggggcgcca aataaagatg tggctcaaga ctgactgcca gtgtagcctt tcccctgagg 120
 gcttgtttaa gtagatggtt cactactgct gggtagtgcc attttggccg gacatggttt 180
 gggtaatccc atgacaccag cactgattgg actgcccttc accaatcaga agctcagtcg 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
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 cttaaacctg tgtccacagt tcttgggagc cagcccagat gtcaggagga ggtgacacca 120
 tgtaggcatt ctctagtggc agcggcacca ctgaggggtt ctcacctggg gtcgcatgat 180
 gcaccaggct agttagatgg catcaaagcc acctcctgta gaagagttaa gcaggactca 240
 ggagccatgc cagcagtggc actctaattg cccaggaan ggcagaattt cctgcgtgct 300
 gcaccctggc cagagctgtc ctcatcatgt catagagctg catgctcctc tcccttagca 360
 aacaagccgt ggaacagcca cccctgtggg atagtaatgg cctgggtgcct gccgctgtct 420
 tctgctcatc tgattccctc aataaacctt 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
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 aagcaactgg tgataagggt tactggacct gccgggacca ggcacgcatg ggctgtcgca 120
 gccgagctat cacacagggc cagcgggtga tggatcatgc caggcactgc caccacccgg 180
 acatgggtgg cctggaagcc cttcggcaga gggagaactt ccctaacctg acccactggg 240
 aaggcccaga gccctgcag cactggagt tcctgcggac atcccttgga ggccgcttcc 300
 tgggtgtatga gtccttcctg tacaggaag 329

<210> 6354
 <211> 532
 <212> DNA
 <213> Mus musculus


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<400> 6354
aaaacctctc cctatacatc tgtgttagtt cattttgaca tccaaatgca ggcacatcag    60
aggaggctct aactgaaaag taagagtgtg agtattgtaa tttcactaga ctttctcttt    120
gccccagaa tgctgagag aaaaccatat ggtctgcaaa gctgtttgtc agccgttcaa    180
atgactcaga caacaggtcc tctgtgtcta acgtgggtaa aagtagttgg ccaatatttg    240
tgctgtatga gttctgattg gttttggtag ctagagatat ttgtacacga ttagatattt    300
tttttactgc tttgttaa atgtctgaaaag tgggtttgtct tttaaaaagt caacaggtat    360
gtaattacat agttaaaaag acgttcatat cagtgtttta aataataatg aatctttttg    420
atgttaacat aacatgtata tatatttatt tgaaatgtaa ttaattttta gtattttcga    480
atgtactgtt ttagcattta acatgggtgtg ggcagttcca ttcagtgtat cc          532

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<210> 6355
<211> 536
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

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<400> 6355
taaaacttgg ctactgcccc ttagctcgtg cttgtcatta gtcctcctg catatcaaac    60
ccttactcac taaagttaca gcactgctaa aatcctactg attaactcac cagcttccgt    120
ttacaaagtt tcttccattt ttattctgac aaagttccat ttttttcctc ctttctcgat    180
tgagattttt aacaacacct tgccccatc cccacccca aaaaangctc actcaatgtt    240
gtaggttctg ttgctttttg tgttttgcca agcatgtccc ttgccccaaa actaaagagc    300
aaatgtttat ttaaagtaaa aacaaaacta taaataaatt gtatacttta taataatcag    360
tggtacaat ttagagaccc tggcagatta aaggttgcac tatttttatt tagatttttt    420
tcccttacta ttttgtactt taaagctggg gatagatttc actggtttct gaggtaacag    480
cagtaacgat taggaatata tagaaaagtt cagtgaccag tcatttcttg tacaaa          536

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<210> 6356
<211> 429
<212> DNA
<213> Mus musculus

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<400> 6356
gaatatggcg actaactcct aggagttgct ttactctgtc aggtgactta agtcactggg      60
agtcactaat tttctctgag agaacagttg attgagaaat ttctattgta aatatctcag      120
tgttacatag tgaagcttaa agtgtttgta gtcttgcata aggacacagc ctaaataact      180
gaccccttac tcgctctgaa gagcctccct gccccacccc tacgtagctc atcttcagtg      240
tgggccatgt gcagcgtgtt tctgtgcaga taatgtggcc ctgttctcgg gaaccagaa      300
ccttttacag acatttttta attgtgttcc ttcctgctgc cacaatcagc atgactgtat      360
agagtccttt ataccatcta cacatccaga gttatatgga agcagaatgc ccaaatggac      420
atgtcgtaa                                         429

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<210> 6357
<211> 394
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (279)..(280)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (360)..(360)

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<223> n is a, c, g, or t

<400> 6357

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ctcctcagcg aaagcccat gagactgaag gtgagaggca ggagtgggtcc aggtgcctcg	120
tacccttcat ttgggacata gttgcccacaa aggaagatgg gctagatgat tnccttacta	180
ctacacanc cttggctgcct acaagaactg tgatcctggc aantctgcca tttcagaatt	240
gaagcaggggt tccccagctc cagcaggggtt tttntcttnn aggggtgtacc aacctatggtg	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>

<221> misc_feature

<222> (243)..(243)

<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> (459)..(459)

<223> n is a, c, g, or t

<400> 6358

gattcacagt ccgagaacga ggcctcacc gtgaagcgac cgcgactagt agagaacccc	60
gagcggcctg aggagagcgg ccggtcgaag cagaagagcc ggcgccgctg cttccagtgc	120
cagaccaagc tggagctgggt gcagcaggaa ctgggatacct gtcgctgtgg ctacgtgttc	180
tgtatgttac atcgccctccc agagcagcac gactgtacgt tcgaccacat gggccgtggn	240
cgngaggaag ccatcatgaa aatgggtgaaa ctggaccgga aagtggggcg ctcctgccag	300
cgcacgggg aggggtgctc ctgaaggcca ggcacggcca ccacacgacg ctgttcttag	360

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ttcactaatg ttagccttat ttaggacaaa gtcagccaga caccttgtac tgggcacgcg 420
tcagaccaca gccggccgtt tcctttcttt agccancng tcctggtact gtagcttagg 480
ggttgatggt ggatgaaatt gatttctggc tggttactaa ggtgcctgct agccattgta 540
taa 543

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<210> 6359
<211> 75
<212> DNA
<213> Mus musculus

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<400> 6359
atatggacag ttctttggaa tgctccatt tactattagc ttatcatttt ataagtaatt 60
ttggagggac tacat 75

```

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<210> 6360
<211> 518
<212> DNA
<213> Mus musculus

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<400> 6360
gtgtagactt tgtctgccgg ctgaagtttc cttccggcaa ttaccctcca tgtttggatg 60
ataccagaga cctgcttgtc cattggtgcc acggtgctcc tggggtcac 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
acaccccctt ctccctcttt gaagggatgg ctggaacaat atatttcttg gctgacctgt 420
tagtccccac aaaggccaag ttccctgcat ttgaactctg aaaagaaagc atgtctcctg 480
ccgcttacag catgactctg tgtattactc tgggctac 518

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<210> 6361
<211> 505
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t
<220>

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<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>
 <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> (426)..(426)
 <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> (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 ccctggtggt gtgtgggtgg gccagcctca 120
 cccacantg cacagtcgtc tgcccatttg tatatggttt cagttcagtc ccagttctta 180
 aaagaaatgc tgcagaaact tgagttttct cttttatttc attctctttt ttcccctacc 240
 accagccaaa tgacttttcc ttcccttctt tccttttctg cacaactcta gaaaaatgcc 300
 atctttctag agtctttaac ccacaaagtt cccgagggtg ctactggtgt gagttncnccn 360

tggtgggcna gggaagancc ntctgttggc tggaacact 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>
 <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

<220>
 <221> misc_feature
 <222> (359)..(359)
 <223> n is a, c, g, or t

<400> 6362	
atggaccac tggacaaggt gctgtccgtt ctcatcaaaa aactcggaac tgccctgcag	60
gatgagaagg agaagaaagg aaaggacaaa gaagaacact agaatagcaa ttccatctgt	120
gaaacacttg actctgttaa tttctattac actgcaatth ttntcagcaa aatttaaattg	180
gtactttaaa ataattctaa attttgtggc cattattgaa agtttgtaag ttaattctgtt	240
tattctagct ctaccattct gtatacagta aagtattgca tgnaaaatgt aaattttgta	300
gaaaactnaa ttaaaagata tacatctgct cattaaagtt tatgattggt ttatgtgcna	360
tatggttgct gcatttaaag tattaca	387

<210> 6363
 <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> (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> (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> (384)..(384)
 <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> (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 gagtgaacca 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

cataaagggtt gagactgcac ttgatcgant taggatggca gacacgaagc gtgtaggacc 480
acgagagcca gaccagcaa 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>
<221> misc_feature
<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 tttcgcccct 180
tccccgcccc acacaccctg tcttcccata ggagcattac cctctgttgt ccatctgcca 240
tcagatgtcc cactgaagc atgcatatgc cgctgtcacc aaaagcaaac tctgtcattc 300
agagcctttc cgtntntcnt cttgcccgcc ctntccacc actttcaacg atntccccag 360
gttgtcctga cactgtttgc ctagatgctg caatgctttt atgtttcctt tatgccaaac 420
ataacaagac agttatatag accgcttttag ca 452

<210> 6365
<211> 303

<212> DNA
 <213> Mus musculus

<400> 6365
 gtttggtgat attatttcag ctgctgctgt actaccacag attattggct tttagtttcc 60
 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

<400> 6366
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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

<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> (319)..(319)
 <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> (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
 gggcgatcag caattcttgt tctccactaa acgccacctc aggaagtggg aagttcacac 60
 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 tnaccttttc 300
 aaatgttttt tcaacaaanc acctctaatt ccctgtgagt aaagctttgc aggagtttaa 360
 gttttatatt tgtttancct tgttaaatgc attagtata cattgttact ttngtcattt 420
 tggttgaatg tttgtttgtt atttagtga tcttaaanc 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 accttggtact 300
 tttctgttta gtacaaaaac cactcgtgtt tctcttggtga attcagcaca gtgagagtta 360
 cttctgtaat tcttacttat aaattgttca ctactgtact gatgaaagcc caaaattaaa 420
 aactgtgcat taataactaaa 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
 aatcctctcc tgccggatga aaagcctgac agaagtcgag gaaaggccaa caatcctagt 60
 aagaaatacc tcnttttctt tgaagaatgc tctgaaatat aaaactgtca agctaattct 120
 ttttttcatt aaaagctcca ggtctggttc cagggtccgaa atcccatccc tctgcatcct 180
 ctggcaatac gctccttcca tcagtcatgg catccaccat tttactcgtt gcttctgctg 240
 taaacttcat cgagctatag cttgaaacgc tatcttaatc tttatctgaa agactgctat 300

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ggggatccna caggaagtca agagaaaaaa atgtannttt tccttggaca gacttgactg 360
tataaaagaa ctgtatatatt gttcctcatt ttacaattta aaaagctggt ccagatagta 420
tcatagaatt aacttttcat ttctgtatta attttaggac tgcaaaaatc ccaaagctat 480
a 481

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<210> 6371
<211> 433
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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<400> 6371
gagagcacca acaatgacga agacatgagc aagaggtatg ggggcttcat gagaagcctc 60
aaaagaagcc cccaactgga agatgaagca aaagagctgc agaagcgcta cgggggcttc 120
atgagaaggg tgggacgccc cgagtgggtg atggactacc agaagaggta tgggggcttc 180
ctgaagcgct ttgctgagtc tctgccctcc gatgaagaag gcgaaaatta ctcgaaagaa 240
gttcctgaga tagagaaaag atacgggggc tttatgcggt tctgaagccc ttttccagca 300
gtgaccccgga cccccactag cctgctccat ccccatgag caactgcctt gtcaatgatg 360
tttcttgtca catgctgctt tgtgctgtac agttgcccc gtggtntaga taactacact 420
gcctgaaagc tgt 433

```

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<210> 6372
<211> 419
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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<400> 6372
aaaaatatat ctcatitttg gctcaaagca ttaatccagt aactgaaaag agaatacaag 60
tgagacatac aagcgatgaa gatcttgaga cagactcatt ggactgaatt tccccctccc 120
ccccttgatg gaagaaatgt tccagattct aaattgagga cttcactatt aatggcatta 180

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```

ttaactgtgt tatgattggt 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

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<210> 6373
<211> 514
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

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<400> 6373
tcggagctga gcacgttgct ttccagcctc tcacgatact tcagaagggg ngcccccagc    60
tcccctgctg ctggagtcct gccctcacca cagggcaagg ccacctctct ctccaaagcc    120
agcccagaat ctcaggagcc tctgatccaa cttgtgcaag cttttgtccg gcacgtgcag    180
agatagggcg ccgactgctg tctacctgct gctcctacca acctgcactg cagcctgggt    240
agagggcgct gccaccacaa ggccagccac tgagcaggca gctcccttcg tcgtcctcct    300
gccacccgc tgacattatt tttatatagc taaagaggtc aacagcacgg gcaggagacc    360
aaggggctgg gtgctcagac tcttaacaat atcccaaggt ggcccccttc ctccgagcat    420
tcccatggca cttcaccagc cagggaggcc ctgggtgctg gcagcacagg agagtcctgt    480
gtgtagtgag ggttttccat gatctattct tgca                                514

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<210> 6374
<211> 437
<212> DNA
<213> Mus musculus

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<220>
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<222> (198)..(198)
<223> n is a, c, g, or t

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<220>
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<222> (252)..(252)
<223> n is a, c, g, or t

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<220>

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 <222> (287)..(287)
 <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> (399)..(399)
 <223> n is a, c, g, or t

<220>
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 <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
 ctcttttttc ctacctgtgc aattgtatct taaacaattt gtcattccctg gaagaagggtt 180
 ctattagctt tctggganta taatgaagaa ctacaagtta ggtgggtttaa gcaaacaaaa 240
 acatccctgt cncagtccca gacaccagaa gtctaaaagt attaacnaaa tgttgcttct 300
 taaagttgtg ggcaggaact ctntcctggc ttctaccaag gaagcgtcca gctttccctg 360
 gttttcagac acagcataat ttctaattgt aattctttnt nntctgctnt ctgttgtatc 420
 caaatttctc tttgtga 437

<210> 6375
 <211> 476
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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

<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> (325)..(325)
 <223> n is a, c, g, or t

<400> 6375
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 tctagtaaatt tctctccaga ccaaaaaaca ccattacaga taaaagaaga aaatcctgtc 120
 ttcaaaacac ctccatgttc acaggaaagt ttggagacag agaattctctt tggatgatgtg 180
 aagggtactg gttctcttgt gccaaacaaa gttaaagagcn nnngcantcc atggaggatg 240
 tgagcttgca tcagttcttc agttaaaccc ctgtagagtt gctaaaacaa aggctctncc 300
 aagcaancca agatacntcc tttgnaaata tccagtggag tgtagacca ggagcagacc 360
 tttctcagta taaaatggat gttactgtta tagatacaaa ggatagcagt cactcacgat 420
 taggaggaga aacagtggac atggactgta cattgggtcag 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>
 <221> misc_feature
 <222> (418)..(418)
 <223> n is a, c, g, or t

<400> 6376
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atcttcgtta ctgagatgcg cggctgttag tgtttgttgt tggtttttgt tttttggggt	120
tttttttttt ttttggtttt ttttcggttt ttgtttttaa taattcctaa taaaagagaa	180
gctgcatttt tattggattt tatctttaat ttttctacac atctgagggg agcctcagga	240
gactttggct tcctttcttc cccccacccc ctattccctg gaccctctca ctccactgga	300
cctaactgtg ggttcgtgga cctggattta cttttctgat tcgtttgagg aaaaaaaaaat	360
ttttttcttt tgaagatgtt acatggtgtt ttgaagccan caagttccac cctcggnttc	420
tttttccttc cgcattctgta acttcttttt cc	452

<210> 6377
 <211> 490
 <212> DNA
 <213> Mus musculus

<400> 6377	
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ccagagcatt gacgtctctc tgccgtcaa 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 gtttacta ttgccaagag	360
gaacgtggaa gggcaggaca tgctgtacca gtccctgaag ctactaatg gcatttggat	420
tttggcagag ctgcggatcc agccaggaaa cccaattat acgctgtcgc tgaagtgtag	480
agcccctgaa	490

<210> 6378
 <211> 289
 <212> DNA
 <213> Mus musculus

<400> 6378	
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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
 gaatacatat ggcttggctt ccgctgcaca tgcagggtcca gttataaccg accagcttct 60
 gtgtacagtc ttgtgtctta gaagccaatc cttggcgctg gacattcggg gtttttaatg 120
 aacgattggg actgcatctg tccttcatcc gtgcatgccc tctctcttcc cgtctattaa 180
 gtgcagcagc tgtgggcatt tgacaagtga taaatatgtg cacgcacacg caggaggctg 240
 caggttggcc tcaaccctgg cacgcacaga agtggagcat gggttgactc tgtaggcacc 300
 tcctgtcctt cctcccgtg 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

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ctgtaccttt tgacaaagag actggccttc acagaggcat gggttgggtt cagttttcct    180
ctcaggaaga acttcagaat gcactacaac aagaacatca tattattgat ggagtaaaaa    240
tccacgttca agtcaaaga gcaaaggctt tgcacggagc tcaaacatct gatgaa        296

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<210> 6382
<211> 465
<212> DNA
<213> Mus musculus

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<400> 6382
tgtaagagac gatcccatTT cccagacca gaaggaaaac agttttccaa gctgcatcct    60
tggccctggg actccagca gccagagcc ggggcctgtt ctgggtcaagg acaccctga    120
ggagaagtat gggattaagg tcacgtggag acgcagaagg cacctgtttg cctaccttaa    180
ggagaagggg aagctggatg gaagccagtt ccttgtgaag atctgacagg accgcagagc    240
ttcagttctt cccggagctg ctgtggggag gtttcgcaag tcacctcgtt ttgaaaggat    300
gaaaggggac gaacagcaat aggaagacca cttagccaga gtcggagttc ggtttctagg    360
gttccgcctc gcaccaggaa ccgttgaatt tagtgtcatg aactgttggt atttttctca    420
cattaactgt ttagacctct gacgtttctt gtactgttca cagcg                    465

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<210> 6383
<211> 495
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>

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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

<220>
 <221> misc_feature
 <222> (367)..(367)
 <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> (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

<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> (470)..(470)
 <223> n is a, c, g, or t

<400> 6383
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 ttgtggtggg agggagcaca atggctgtgt agttaagaat gatcttgaac ttttcctctt 120
 gtcttcatct cccgagtaat gggattaaag gcgggcacca ccacacccaa ttatacacc 180
 ctatttnttt gtacagagct aggaatccaa gggTTTTgtg catgctagac aggcacttta 240
 caaagctaca tctccagccc ctaggcgtgg ttttttaaag tattttgtac cctgctttgt 300
 actccanatn cctagnaggt ncccagtatt ttnttagctg atattgaagg acagtaacta 360

gagtttntgc tacacactat ttttaagtctg 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 tatttctggtt tccttttcat cttcccttgc actgagggtcc tggaggcctt 240
 gatgaggccc agcaaaggca ttcccaccgc tgagttcaga ggctttnggg ccacttactc 300
 agtactctgg gaaccccagg ccaggagggtt 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

<220>
 <221> misc_feature
 <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 cctgttccca tcttctcgn ntccccact ctcttcacct ctgcctgaag	180
ccccccagcc agaggaggag ccgtcagctgc ctgaagcccc cagcttaggg cccccctcgt	240
catccctgga gctgttggcc tctctgactc cagaagcatt ttactggac agttctttac	300
ggggaaagca gcggtatgagc aagcagaact ttctgcaggc ccacaacggg cagggntntaa	360
gggctgcccc gcctacggat gacccccctca gcctcctgga tccactctgg acactcaaca	420
agacctgaaa aggctttgcc tatctgatcc ttacantac 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

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<400> 6387
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ccctgctggt acgagtggaa taaggggtga cataccacta ctccaagcac agccgggcct    120
caagcccagg actcttgaat gacgactgcc tccacctcat tcccgtgact gagagcatgt    180
ccagtgtgtg cctggcaagg aggagcacgt aggcaggctt tgatttagag caggtgtgaa    240
gcacatctct acattcaggg cccagcacac tccctctgct gagagggagc ccagctcgtc    300
tcgggtcccc ccttcatgca ctgacttggg gaacatgact ccctattatt accctcccc    360
atatcactta atttatttcc gtttttgttt ctggttactg tgaatcccaa aggagtctct    420
ctgtgcccac atgaagctgc tttttccgtg gccactgggc gccatgggga gggagtgggt    480
aaaaggaagg gctgcccagag gacgctgtgg gcctctgtac agttgttact g          531

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<210> 6388
<211> 316
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (210)..(211)
<223> n is a, c, g, or t

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<400> 6388
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tctggcaggc atagttacta cacagaagga aggccaaagc cacacttgct ttgtaatgtg    120
gctgttgcac ccagcccttc ttggctcaaa caattttttt tatttctgaa taactttttg    180
ggggtagaaa ccaaatttct atatacacan ntacatacac acacatgaat atgtgtgtgt    240
gtgtatacat atatatgtat atgtacacac acacacacac acacacttac ttttgagggc    300
ctatttatgt tctgaa                                316

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<210> 6389
<211> 478
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (91)..(93)
<223> n is a, c, g, or t

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<220>
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 <222> (95)..(95)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (98)..(98)
 <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> (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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 aagaggggctc tggaggatac tttagaacaa nnnatnatntn 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 ctactgtct 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
 ctcatccct gccctcagac acatcctact ccgaacagga ggactctgag gatgaagatg 180
 ccatctgtcc agctgtgagc tgcctgcagc cagaaggaga tgaggtggac tgggtccagt 240
 gtgatggcag ctgcaatcag tggtttcacc aggtctgtgt tgggtgtctt 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 cacttgatg gtatgcactc aaactcagat tgctgtttct 120
 tttaaaaagt catcatttgt attgacatgc ttctgttcct agttccagtt tggagggtttt 180
 ataaagttat aataataagt taatgtgttc atcttcatta ttttgcattg gacctaatct 240
 gaaaagtaca tgtagtattt gacattgata ttttaatact gtagaagcta aaattaacaa 300
 ttctttctata taataatctg ggttcataa atgagtttca gagaacttgt gagcccttcc 360
 aaaatttgtgt gtagagtttg gaatatatgc atttttattt cttaatcttt gatccatcat 420
 aatatatgta tttttctata tgggtgtaaga ttttaagagtt 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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cggagggcct tcctgcaggc cattctggag cacgaggagg agaatgagga agaagatgag      180
gtaccagacg acgagaccct gaaccagatg attgctcgcc gggaggaaga atttnatct      240
ttttatgcgc atggacatgg accggcggag ggaggatgcc cggaaccgga agcgcaaacc      300
ccgcttgatg gaggaagatg agctgccctc ctggattatc aaggatgacg ccgaagtgga      360
aaggctcacc tgtgaagaag aggaggagaa gatatttggg aggggctctc gccagcgccg      420
ggatgtggac tacagtgatg ccctcaccga gaagcaatg                               459

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<210> 6394
<211> 466
<212> DNA
<213> Mus musculus

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<220>
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<222> (67)..(67)
<223> n is a, c, g, or t

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<220>
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<222> (69)..(69)
<223> n is a, c, g, or t

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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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<220>
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<222> (382)..(382)
<223> n is a, c, g, or t

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<400> 6394
gtagacggaa agatttacca tccatcatgt tatgaagatt atcaaaatac atcttcattt      60
gattgcncna ccatctccca gcaagacacc agttgaaaac cttttgaaca ttatgttgaa      120
cattgtcaaa aacgaattgc aagaaccctg tgaaagtccc aaagttaagg aagaacaaat      180
tgatgcccca ccagcttggtt cagaagaaag tgtagcaaca cccactgaaa ttaaaacaga      240

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aagtgataca gttgagtcag tttaaataaa atgagaaaag tatgcttttc tttttnaaca      300
aaagctgctg ttggatctag gtgaagaatt tttttatgta tatatagaaa tatctatatt      360
aatntgtcta gctgtggcag gnccttcagc tatcatttgg ttaataaata catttttagta      420
tttgcatttc ctactgcctg cacagtttca ggtgcttggt gtgtga                      466

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<210> 6395
<211> 521
<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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<220>
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<222> (337)..(347)
<223> n is a, c, g, or t

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<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

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<220>
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<222> (397)..(397)
<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

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<220>
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<222> (408)..(408)
<223> n is a, c, g, or t

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<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

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<220>
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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

<220>
 <221> misc_feature
 <222> (438)..(439)
 <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> (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 actttttaga aaatattttt aaaattgtca atttaattgca 180
 gatgaacaca tttctatttt aagttacagg gattctgtat aagaatgttc atatgaaaaa 240
 catgggttaac tttttttctt tgttggtttt gattgaatta gatgggtaac atgagatggt 300
 aatattcata catgtnataa actgaatgat gaacaannnn nnnnnnnatt tcttgagtga 360
 ccttagaatg tgacccttat gtntaatgtg tgtnttnaaa catgantnca gtnccagnta 420
 tgagccatan tcccagannt gatattattc catttataga agatanatat acagtattna 480
 aacttgtgat tttttttccg 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 ggggaagcgcc atgatttgta tgtgcatttt 120
 acacttgcta ctgcagtgat ttgattagga tcttcctgtg tagattgtta ggcattcaaat 180
 cgttgtagat caagagttgg agctgagtta agtgaggaca gcctgtgtgc acagtgtgtg 240

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gtatggctct cctttctgtg tgtttcataa cttcctgctt ctctgacctg tccatagcgt 300
gtggggagtt tgcagtgtgc acttactact agttagtctg attgtttcat acacttttgt 360
gggtggtgtag atcatgttta ctgtcactgt tttcctgtca tcatagttct tttggtatat 420
atttctgtgt ctggtgatat attaaagtat gtccttgtaa acttttttgt aaaagttatt 480
tcctaaatat aaaaacatta tgactagcac cactatgtct tcttaa 526

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<210> 6397
<211> 209
<212> DNA
<213> Mus musculus

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<400> 6397
gaaacagttc gggatggctc ccagcattgg gcctgtatcc ttccccgagg cacaagaggg 60
cctcatgggc attggacgtc gtcccttcag ccagggcctc cagcagatga tggaccatga 120
agcaaagctg ctggtggcca aagcctacag acacaccgag aagggtgctgc tagacaacct 180
ggacaagctg caggcgttgg cgaatgccc 209

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<210> 6398
<211> 552
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<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> (320)..(320)
 <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)..(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> (370)..(370)
 <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> (455)..(455)
 <223> n is a, c, g, or t

<400> 6398
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 ggtgaatggt aaggacatca atgtgttggt gaggtgtcaa caatttgata aaatctgtat 120
 gtgctgactc cataggctaa agcagaagga ttgtaagtta ggcattgtga tagatgctaa 180

aaaaantnta gggacaaaaa taagctcaga ttatttggtt ttctttttta acataggatc	240
tcatgtagcc cgactggcc ttgaanaccc tctgtagcca gnggatgacc ttgaactcct	300
gatnttttna tcttcanttn tcaatgggta antcntntgt ccccccattgc ccagctagac	360
ttagnnttttn 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	
acattcttgg ctcacaggtt ttggaaaagg aggcagagag gagagacatc tttgactcct	60
cagaaccagg gagtgcaata caaagactat tgagtgtctgc tcacatttac aaaaacgaac	120
actacttggg agaatcttag cacactttcc ttgtctcatt tcattttcttc tgaggaaaca	180
ggaaagttaa ttcataattn ctttttcct ctcaagcact ttttaaattt ccagagacct	240
ctgatcaagg gtcattttta gagccttttg atgtgtgttt aatctcactc aatgttcttt	300
tggtgactgc agtgatactg agcctccgtg ggaaggctta acagtttagag tgcactttaa	360
ttcattaatt cacgatccat gtggccttat aataatgggt caaggaaccc atttcattct	420
tgcttgccaa 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 actttacat ctagagtgt catgcaatta aaacaaacac 480
aaacaaggag gcactaagcc tgttctgaca ccgctgggtct gtagtaccag a 531

<210> 6401
<211> 553
<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> (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
gctctactgc agtcatgtca atgggtggct acatcctggg gcttggagac cgtcatgggtg 60
aaaacattct ttttgactct ttcactgggtg aatgtgtaca tgtagatttc aactgtcttt 120
ttaataaggg agaaacgttt gaagttccgg aaattgtacc atttcgactg actcataata 180
tgggttaatgg aatgggtcct atgggaacag aggggtctatt tcgaagagca tgtgaagtta 240
cactgagact gatgagggat cagagagAAC ctttaatgag tgtcttaaag acttttctac 300
acgatcctct agtggagtgg agtaaaccag tgaaaggaca ctccaaagca ccactgaatg 360
aaaccgggga agttgtcaat gagaaggcca agacccatgt tcttgacatt gaacaangac 420
tacaagggtgt gatcaaaacc cgaaatagag taacagggt 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 agtttgact gagacaaaat 300
 ttacaggaaa tgagtgagcg ctgtgttgaa gaactcaact gtttcattac tgagtatgat 360
 aattctcaag atttcggaga cctttttaag aagtagtaca caggtcaaaa aaatTTTTTT 420
 ggttcttttc tccttgatt 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

<220>
 <221> misc_feature
 <222> (354)..(355)
 <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> (393)..(393)
 <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> (413)..(413)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (415)..(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> (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> (433)..(435)
 <223> n is a, c, g, or t

<400> 6403
 gagtgttaat tgaccacttc aggtatatgt tagtactggg taaacatttc tgacctcttc 60
 aggcacacaa catgtagtgt cctgataagc acttagactg atgtggcaag cagttgcaaa 120
 gtagcaaata cacacatttc ctcttctcct cccctttaat gaaaaggctg tgaaaccttt 180
 aaatcttggtt 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 nttnnnaccac aattcattta tatggagtca cctactgt 468

<210> 6404
 <211> 283
 <212> DNA
 <213> Mus musculus

<400> 6404

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cacagaagac tgttcaaccc actcttcagc tagtgagtga aaaaaggaag tcttccaaga    60
gtctctgctt ttgccttaac tctgatccct ctgatgtggc attgttcttg cctctgagtc    120
cttgaatgct ggactatgat aggggtgggac caatgtctac atctccatcc actggggccg    180
aggctgctgt ctgagaaagg tggctagggg taggcaggat gatcataact cccatcctgc    240
gatgtcatca tatggaacat ggccagtcca gagtcagggc ttg                        283

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<210> 6405
<211> 184
<212> DNA
<213> Mus musculus

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<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

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<210> 6406
<211> 412
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<400> 6406
ggatgactct gaagtgggca aggctgggca cgtcatgcga cgcttctttg agagccgctg    60
ggaggaattt tatcaggga aacaggccaa tctgtgaggc aaggaagttg ggagtcactt    120
tgtggcatct tctccaacct tccaaacaaa aacctgccgt tctcacctgc tgatggctgc    180
cctgggtgga ctcaagtcag acaatgctga ctcttgactc tgcccttggc agcaccaca    240
tcctcttggt ccgaatccct tttctccctt cctcctctgg ctctcctcaat aagagatgca    300
gagatgaggt ccttctggat ggaaagccaa aaaanaaaaa attttctgt ctctcctcct    360
cctccnccc cccccatta aaatggagag agacaaagaa gtctccttc cc                412

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<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
 agctcacgta tctaagcagc catgactaca agcacctgta cttcgagtcc gacgcagcca 60
 cagtcagtga gatcgtgctc aagggttaact 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

<220>
 <221> misc_feature
 <222> (167)..(167)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (175)..(175)
 <223> n is a, c, g, or t

<400> 6408
 aaggctttca gctgcatatc gacattcatg gcagtnaaga cttacttcct gtgtagcacc 60
 ttccacaatc tcttctgcag gagagcgggc nattaacaat ggatatgtga agttcttgat 120

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gataaactta aaaaataaca gagaacacct acctcttggt ggaaaangtt ggccnttgaa 180
tggagaactg actgtttaaa tggccgtatt gagagttgca ttgtagtgga tatgaccttg 240
ctggatgagg acaagaagcc catctggtat gtgagttctc cagtgtgctt gagatctgcc 300
tgccttcctg atttcccgca gccggcttac tctttcgagt acatggacag cgtaggagga 360
gtgtgcgag acctaggggtg gtttgaaaat accgatgaat acttcattgt cagactggac 420
atttacctca gtgtagcaa 439

```

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<210> 6409
<211> 363
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

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<400> 6409
agagacctca agcaacaatt cccagacgtt gaagctggac gagaccatgg actccatagg 60
agaanantga cccatttaca gccaaagtga gctttgagca aggtagctct gagtttgtgc 120
ctgtggtggt gaaccggtca gtactacgct ccatgagccg aagagatggt ctcacaaagc 180
gctggccccc gccgctgcaa tggcaatatt tccgctcgct gttgcctgat gcctccatca 240
ccatgtgccc ctcttgcttt cagatgttcc attcagagga ctacgaactg cttgtgctcc 300
agcacgcctg ctgcccttac tgccgaaggc gtatcgacga cactggcccg tgagcagcga 360
cag 363

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<210> 6410
<211> 499
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
<222> (259)..(259)
<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)..(265)
<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> (279)..(280)
<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> (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> (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> (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 caaatgggtgt 120

tagctggaaa tattaaagca ttcttatatg ttttgcttat ttctagtata ttcttcagaa 180

agttaagaca tgtttcatgt ccaagtgcctt aagtcttagt atagtgttta tgatcctata 240

aaacaancaa taggatgtna nntnncctttt gtttnattnn ttgggtntna tttntacttn 300

atccnttttna naagaatagt gtatcagtac aatgtaataa catgattttc atganacagt 360

agagactgaa ncctttcaaa gttatttgat ttttagatca tcagacatgt aatgaaaatg 420

gttcagtttg caatgtgagc tttgtacttg gtgggatgac 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

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<222> (369)..(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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 acgagctgga gtcctcaagg agcatgcaaa agaagcagag cctacttgag gccgttgcta 180
 gcaaagaagg ggacagcttc aacacacagt gcctgaagct ggcttagttc cctccaggtc 240
 tctgtacctg cagacacttg agcagatggg tcagtaaaag catttgatgg gtgtgcagga 300
 gcatnccttc ggctggctgg gctaccctca gaccnctga cctncctacc atgcagttgc 360
 acaatactnc ctgtttggtga aggtgancca tatgcatggc attcagaaac agggaaacata 420
 aggacatggg gttcccttgg tttgttcatg gaagctaact tgttctttgg tcacttctga 480
 atactcgttt ggt 493

<210> 6412
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 <222> (164)..(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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 tgggggctgg tgaaacacaa gtttagaaat gaatttaacc atcnnagcca tgtatgaaat 180
 tcacttctag aggtggcccc tgatttcccc aagcctcact caggacagaa ggcaccattc 240
 agttcagcct tctgccccct ttgcctgacc cccaagcctg ggtaccgcaa acaccaaggc 300
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<210> 6413

<211> 529
 <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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 tgattttaga ttgatctttc aaaactgtgc tgaattcaat gagcctgatt ctgaagtagc 180
 caatgctggt ataaaacttg aaagctatct tgaagaactt ctaaagaatc tttatccaga 240
 aaaaagggtt cctaaggtag aattcaggca tgaagcagaa gactgtaagt tcagtgcaga 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
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 <212> DNA
 <213> Mus musculus

<400> 6414
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 ccagttggaa aggcattcta aacaagcaat gcaaatacaa gaacagaaag tacaacatga 120
 agaagcagta gttaagttac ggcacagtga acgagacatg agaaatacac tggaaaagtt 180
 cgctgcaagc atccagggtt tatcagagca agaagagtat ctgtgtgtac aaattaaaga 240
 actggaagct aacgttctta ctacggcccc tgacagaaaa ca 282

<210> 6415
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 6415
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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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 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 tggatcatcct tggatgtcgc tctttttctt 360
 ttaacattca tgtacaaaca cgagcatgat accgaggcca agcccagcct aggttcactc 420
 tgaactcttg aaggacgtga atgccc aaag cttttctgtt aaacatgtgt caagatgcag 480
 agacttcaag gttccagttt tggt 504

<210> 6418
<211> 463
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (36)..(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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actggggggg tctgagctgt agatattttc caccatgctt ttcattctgtg 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
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<210> 6419
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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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tcaactcctg catcttttat gaagtttgga agtctgaaaa aaatgagaga ggaccgttgg 180
acaacgattg ctaaaattga taggaaaaga agactaaagg aagcagaaaa gttattttct 240
taatttcaga aaaccaatgt tggttacaga gatgaaaaac attaaatagt tatctttatt 300
atttccaaga gagccaaact ttaccaagga attcatatnt taaaattaat tacagaaata 360
acttgggttt atgttactat atttgtggcc taaaaataaa ataactatat ttcatttgaa 420
tttttattgt attcagatac ttaacatttt gttgctttta cttgcaatgg atattgaagt 480
tcgaagtttt ttaacttgag cttttgatca ttagaa 516

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<210> 6420
<211> 283
<212> DNA
<213> Mus musculus

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<400> 6420
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gagctcagtg attgatcgga aagacttaat catcaaaaga attaagccca agccccaaca 120
aggagatgac atcacggtgc tggatgtgga gaagcagatc gaggccttcc gcagccgcct 180

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ggtccacata ttgggagaac ctttagtccc ccagctccaa gacaaagtgc atttggtgaa 240
gctgctgctc ttctatgctg cggacttgaa ccccgacaca gag 283

<210> 6421
<211> 316
<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> (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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cccaaagata cnagccggct gaagaancac atcacntgc tgtgtgatag gttagccaaa 120
ggtgggcgct tctgcgtgag cacagatgca gcgggcccgcc aggccatggt tgtgccaggt 180
ggctgtactc caatcccaga gtcagacctc gaggaaggt cactagatga ctccacagag 240
ctgtttacca accacaagca cctcatgacc gagcccccca tgcctgaagt ctcagccccgc 300
caaggagttt tggaat 316

<210> 6422
<211> 354
<212> DNA
<213> Mus musculus

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<222> (292)..(293)
<223> n is a, c, g, or t

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aaccacactt gagagcatat gtacattcat ataatgttcg agtttggact gttcttggtt 120

atgtactttc ttaggattaa atgtcaggat tctgttcata ctaagctatt tgaagaaaaa 180
 gtgttttagta ctgtttgcat aaaagaacaa ggagatgagc aagatgaatg ctggtttcaa 240
 tgggggttggt ttaagaaatc agctattttc agaatacatg ggattttttt tnncaatggt 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 ctgctcctcg ttactgctta gtggaacaac ctgctgacct 120
 ggacaacttt gccaggattg gacacctgta agaaagcact ggccatcgac tacctttgag 180
 tcagccagac agcacgtgct gactg 205

<210> 6424
 <211> 409
 <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> (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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<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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 <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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 gactacgagg accagaacac tgcctacttc tggaaccgct tgagcttctg gaactatgcc 120
 cgccccgctt ctgtcatatt ggagccagat gtgttcctcg gaaattgctg ggcttttgaa 180
 ggtgataaag gccaggtggt gatccgactg ccaggtcatg tgcagttaag cgacatcacc 240


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ctgcagcntc ctncacccan tgnnncanac accggagggn ccancancgc ncctnggnga      300
ctttgcagtc tntgggctcc aagctgatga cgagactgaa gtgttcttgg ggaaattcnt      360
ctntgatgtg cagaaatntg aaattcagac tttccacctc cagaatgat                  409

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<210> 6425
<211> 334
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<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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ttggtggagc agatattcat aactgacctg tgtgtcttct agaatgttga actttggaag      180
ctatgctttt ttctgtagct ttggtgtttt gtctaagaaa tacattaatt ctaggagaac      240

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taccagtntt ttgctgggct ntacnattca ttccttttgg acaatggant ctattcctnt 300
 ncnncccttg tgataccttg ttatgcttct gaaa 334

<210> 6426
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 6426
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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 aaggctctgag ttcaggacag tccataggcc tcagcaaaca aggcacttct 120
 caggccactg actgacacct ctctggagc cagcacacca acgctgtcac attaagacgg 180
 aga 183

<210> 6428
 <211> 473
 <212> DNA
 <213> Mus musculus

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 <222> (344)..(344)
 <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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<400> 6428
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tgtttctatg gacgttttctt ctggtttcaa tcattgggac gctagggcctt tttgttcctg      180
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accaagaaat tacactggac ttagtgagca gtcaagcagc tcttaggaca cgtatgccat      300
tatgaaaata ttacaattt gatataggca gtaacagatt agcnagtttc tgacattggc      360
ttaatgttgt ccattagaac tgnagtaata gccttgagta ccaacactgt ccgcctgcac      420
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<210> 6429
<211> 380
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 6429
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tacaaccaga tccttagaat tgaggaagag ctgggcagca aagccaagtt tgctggcagg      120
tccttcagga acccctggc caaataaagc atggaccgga gatccctgga gccaccagct      180
gctaggtcct ctgtccctga tgtcatccca gcagctcaag gncagcccag tgcgtgcccc      240
tcccatgtca ctgcttcctt aggtatccac acntgancac cagaatccct gctggagacc      300
cagttttgca atcatgtgat tggtctgaat cattgtttct gtcnacctga cttcccagct      360

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agtgtctgga gccctcggaa 380

<210> 6430
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 6430
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 tttgggccca gtggagaagc agtaacgtct ttccagctgt c 101

<210> 6431
 <211> 335
 <212> DNA
 <213> Mus musculus

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 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (273)..(273)
 <223> n is a, c, g, or t

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 cattctatcc cataaattca cacaattttg atctgtcaat caacaaggag atgagtaaaa 180
 gcacagatga aaacaaagac agaaacatag tgggccacac ctctacctg ttcctgtgag 240
 tctgccctgc tgccccctca tttcctggga gcncctctgcc atgctgtagg agagattcct 300
 ccctagctac taggcagcca ccaatctcaa tcttc 335

<210> 6432
 <211> 524
 <212> DNA
 <213> Mus musculus

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 <222> (160)..(160)
 <223> n is a, c, g, or t

<220>
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<222> (162)..(166)
 <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>
 <221> misc_feature
 <222> (478)..(478)
 <223> n is a, c, g, or t

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 tggaagaaat gcagaaggct ttcaataaga caatagttaa gcttcagaat acttcacgga 120
 tagcagaaga gcaggatcag cggcaaaactg aagccatccn cnnnnnccag gcacaactga 180
 ccaacatgac acagcttggt tcaaacctat cagcaactgt agcagaatta aagcgggagg 240
 tttcagatcg tcagagttac cttgtcatgt ctttggtttt atgtgttggtc ttgggactga 300
 tgctctgtat gcaacgctgt cgaactactt ctcaatttga tggagattac atttcaaaac 360
 ttcccaaaag taatcagtat ccaagcccta aaagggtgttt ctcttcctat gatgacatga 420
 atttgaaaag aagaacatca tttcccctca tcagatccaa atntctgcag tttactgnca 480
 aagaagtaga tccgaatgat ttgtacatcg tagaaccct caag 524

<210> 6433
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 6433
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 tggcagaacg tggatgatgag ccccgagggc ctgcctgcga ctgcgaggat ccgccaagaa 180
 actgcaagaa cggatggggg aaatgtacag atgctgacct tttagtgcag ggagataaga 240
 acgaatgagt cacggagagg gtcaggctgc tctgaacctc tttactgggg gtgggagaag 300
 gcaacagccc cggaccgaat aatgtgacac cacactctga ggtgggtgatt tcccttcttt 360
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 gcacaaacaa ccttgaagc actttgcaca ccgtgatgaa cttcctgggc ccaaagggtac 180
 cagggcaa at aactggcacc atctaccctt tccaagtgtt tagttactgg atcagtgggtg 240
 agaataatat taataaaaca agctatctct gacatctagt acacatgtat aaatctgctt 300
 attttcagcc tgccgcagag gcatactatt tttttttttc agtgtcacat ttagaatggt 360
 gatggtttac agatcttcat atttttgttt tacagtttan acnnnnantg tnagnactg 420
 ctnacantga anctnggaan ctnactgggt tanaatctgc tnaccctttc caaaattaaa 480
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 acgctgcaga tgaacctatt ggaactcatc aggaagctgc agcagagggg ctgccnaagt 180
 gggaaaggca gctctgtgac caagcagggg gtccttgctg tcctccgttg cctaggatgg 240
 ct 242

<210> 6436
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gcaggggggtc cttgctgtcc tccgttgctt aggatggctg gcgggtgcc aagccttgac 180

tgtgtggggg ctactgtcca gctgccaaca ggtctgatct ctctgagggg ctgattagat 240

cctggctann nnnnnncnnn cnatccactg ttcagatttg gaggggaagg gcccaagcaa 300

taggaatgat gtcattgagaa ggccccnnnn nnnnngnatn ctgagtggga atattggttc 360

tagcaccttc tcctctgggc atatcccaca ttccttccag gcttgggtgt tgccttattc 420

ctgtgtagcc 430

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 agctctccag cacaccctg gcaaatacga agatttcctt cagatcatct atgaatttga 180
 gtcaagcacc caaatgcaca gcgctgtgga tctcttcaaa agcttgcaaa cccttctcca 240
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<210> 6438
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 <212> DNA
 <213> Mus musculus

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 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
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 <223> n is a, c, g, or t

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 cccagaaaac ggcttctggg tagtgcagct gtccaagggg aaaaaacagc tgtccctggt 180
 acccaattcc actctagtca ctctcacaga gcctcccagc cacatgggga tcttcctgga 240
 cttccaggct ggagaggtgt ctttctacag cgtgaacgat ggggccact tacacagctt 300
 ttcccaggct gccttccctg ggccgctgct gccattcttc tgcttggggg ctcccaagtc 360
 nggccagatg gtcattctca cagtgaccat gtgggtgaag ggatagaggc ttgaagccgg 420
 gcagacactg ggtgtgccac agttccccag aaggcagggt gcttcaccac cgtggccacc 480
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<210> 6440
 <211> 563
 <212> DNA
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 gtcgagaccc tgaggcccaa gaacacaacc ggaaagatct tcggggatat agccatggct 180
 aaggaaagac aggtgtcaaa gatttcccaa tgccaggacc cgcattccctc tggattgat 240
 ttcacagtct gctgctcaat gaaatggcct ctccacacca gggatcctta gcaccaacc 300
 ggtctgcctt taatttcacc caggaaggac caactgtggg gcaatgaact gaatctcacc 360
 atgttgaatg atggagtgga atactatcct gtagtctaag atggattgaa cacacggcat 420
 gtagaccagc agcctctaaa aattctttcc atttctcaaa tgaccatagc ccaaaagaac 480

aacaaaacgg tgtgtgtatc aaggagtatg cacatctgtg gttagtacac aggcattgcat 540
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<210> 6441
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aaaaaaatga acccaaagga aaataccaga aaaggatatga 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

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 ctcataaaga ttgccctgta actgccatgc agaagaagtc tggctatcat actgctgata 180
 aagatgacag ttcagaagac ctttctgtgc caagcagtc acatacagaa gcgatccagc 240
 acagctctgt cagcacatcc aatggagtca gttcaacatc aaaagcagaa gctgtagcca 300
 cttcagtcct caccagatg gcggaccaga gcacggagcc tgcactttca cagattgtca 360

<210> 6443
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 <212> DNA
 <213> Mus musculus

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 acagtgaagc acgccccga tgtcgtgcta gacactttgg agcaagtga gaactcggcc 180
 acccctgcga cttccacaga atcactcagc ccactgcaca atgtcgccct cagggggtca 240
 gagccacaga ttcgccggag caccagctcc tccagcgaga caatgagtac tttcaagcct 300
 atggtggcgc cccggatggg cgtccagctg aagccccag cccttaggcc aaagcctgct 360
 gttcttccaa aaacaaaccc tacgatggga cctgccgcac cttcccaggg tcccacagac 420
 aagtcttgca cgatgtaaaa acaaaggtca cgaggggagg ggggatgtct gaagatgaaa 480
 atgaattagt ggcaagagtg ggtgatccac aaccttcctt ggtcttgccg ttataactgg 540
 agagttt 547

<210> 6444
 <211> 323
 <212> DNA
 <213> Mus musculus

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atgaccctgt ttgtctggct ttaatataat gcatccccaa gtccccaaaa gctttttaac 120
agtgacacag acatccctct aaagtgccct tgaccctgct cttagaattg gtgcattaca 180
gagctcatgc acactaattg ggaaaaacat cacccttttc cctccactgt aatttctcat 240
gtaggttttg ttcataaaaa tgccccatag ttcccaatat gtaccttttc ttttatgaaa 300
tgttggactg ttcaattctt agt 323

<210> 6445
<211> 560
<212> DNA
<213> Mus musculus

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caaatcttaa tctccaagca ggaggaagac aagcctacca tggaggagat agcctaccgg 180
ttagaggagg aagaaataaa cctgaatgag aagccccaga aatacctcca aagggttttt 240
gaggattccc tctacaaaag cctgctggag aagagcatcc tagattacct tcattacaac 300
cagtaccacc tgcccatgta cgcatggcca ggcatcatth agctgtagcc agcgccccac 360
cccccgctgg catcacttcc actctctgtc agccaagtgc tgacagaaca cccaacccc 420
catccccac tattataccc ttttttcctc ccgtgttttc cgtgtattcc agtaggtggc 480
gctaggctgt gtggccctgc taagccaggg aactttacaa acaggcatgt tcagagcaga 540
ataagccact ctagcgataa 560

<210> 6446
<211> 565
<212> DNA
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 <222> (437)..(532)
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 nagaaaaaga actgncctgga aatcattcat ttttgtcccc nactactctt tttttttttt 120
 tttttttnnn cagtttcaag ctnttgtgcn tgggtgttttt gtaagaatgc nctaactcaa 180

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gaataagtta acaggtgaaa ctttgaacaa aacttccatg tcagaagttt gtantgaaga 360
aaaaccatca gtctttgttaa ttttaatat taaactttcaaa tggagccaca catgtgccaa 420
taaatatgtg agtgatnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncatatattt 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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tattaagaca attgggcagc tctagtccag ctcaactgat ttcttgtcca ttgatccttg 180
tgtgaccaag atccagcttc aaggaaccgg ctagaagctg cccgttgtga aacttaggga 240
accaaggtta cattctgtga gaagaagctt ttctcagcct tcattctgtgg gtttgaaacc 300

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tcgctattct cgaagccac actttcatcc tagaaaagat ttcagagcag aggattcagt 360
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caacctgcta ttttagccat ggagttaatc tnttanactt gaggctttta tttgctgata 240
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ggagagactt gagatgtcta agtcactacc caaaanaaac aaactnaggt agctagttnc 420
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 <213> Mus musculus

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 ccaaacaata cataagtgtt gtcctagtaa gggtttgctt aatcagtaag tttctgtgaa 180
 tgagtatgaa tgatatagat tttaaaacag taataataac ctgttcaccc tctttgccta 240
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 gccttgtctt agtataggaa ctttataaat gttttcttaa ctgattgtca gtcacatata 360
 ctatgaaacg aaacattgtg caactgcttt gttaaattaat atgaaagaaa atatacctaa 420
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<210> 6450
 <211> 326
 <212> DNA
 <213> Mus musculus

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 ctcagaaacc ttccacagtt aaagtttcag caaccagca tgaacctgat accacgacaa 180
 gaacatctac agacaaagga gagtctaact caggtggtga ccgttatata tatggacata 240

catgtttaat aaccttgaca gttttgcatg cgatgctatc acttattggc tacttgacat 300

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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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gaaaaggcgg atatctctgc caacatctac ccagacataa acatcatcac tggagccctg 180

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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
gcccacctg atgagacccc ctgaggacag caccctcacc accntccatg acatgcggta 480
ccaaaagctg atngtgcaga ttttaataga aaacgaagat gtntgtttt aatccaccag 540
ggaagtgagc t 551

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<210> 6452
<211> 225
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

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<400> 6452
gaaatcgtgg acacttttagg tgaaggagcc tttggcaaag ttgtagagtg cattgatcac 60
ggcatggatg gcttacntgt agcagtgaaa attgtaaaaa atgtaggccg ttaccgggag 120
gcagctcggt ctgaaatcca agtattggag cacttgaaca gcaactgaccc caacagtgtc 180
ttccgatgcg tccagatgct agagtgggtt gatcatcatg gtcac 225

```

```

<210> 6453
<211> 482
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

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<400> 6453
aaagattcgg aagcctcgga ccatttattc cagcctgcag ctccaggctt taaaccatcg 60
ctttcagcag actcaatacc tggcccttcc cgagagagcc gaactggctg cttccttagg 120

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actgacacaa acacaggtga agatatggtt tcagaataag cgctctaagt ttaagaaatt 180
gctgaagcag ggtagtaacc cacacgagag tgacccctc cggggttcag 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

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<210> 6454
<211> 452
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (50)..(53)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (125)..(135)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (137)..(138)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (141)..(142)
<223> n is a, c, g, or t

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<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 ctgaccagg tgtagtaaca caggatgtca 120
 acacnnnnnn nnnntntntt nnanntgaaa acgaatatat gactcctgtg agggatggaa 180
 aaggaactca aacatcaaaa tctacacaag gaaaatctaa aagaggatgt agaaaagcgc 240
 cagtttcatc taagaccaac aggagacgcc agattgctgg gccagactct gaaagtgatc 300
 atgaaccncc natcagaaat gaagatgaga ttaccagac 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 atctagtgtg tgtttaataa actaggagat cattgtaaga 300
 atttgcaaga ggcctgaagt gcagggggtt ttgaagtttt gagaaaatta tgcaaatgtg 360
 acagagtttg tgtgctctgt gtacaatatt ttattttcct aagttatggg aaattgtttt 420
 aaaatgttaa ttattccac cttttaatt cagtaattta gaaaaaattg ttataaggaa 480
 agtaaattat gaactgagta ttatagtcaa ttcttggtac ttaaagtact taaaagaga 540

agcctggatat cttttgtata

560

<210> 6456
<211> 439
<212> DNA
<213> Mus musculus

<400> 6456
gggtctacag gctacctaga gaccagcaga ggccgcgaga gcacagcagg cggcgttcac 60
agccagagca tgggatctga gttgagtaga ggcctcagtt ccagcagtgg ccatgcatcc 120
agtccctgcc ctcctccag gccagctcc tctactagca aggactccag gggctacaac 180
tagggctgcg ggtcccttcc tgcctcaact cttggcaggt tttctaattgt ctgccctgct 240
tctccctaga gactcctttc taatccctgt aagcccaggc ctcttcggtt tccctctgtc 300
tcttcccatc tttcccatg gttactgcct ctgccttggc cttgcctctc tgttctcatc 360
ctccttgttt cccatcttta cctcctcatc tctctcccaa gcttccctcc atcctatgtc 420
tctgtctcct aactggatt 439

<210> 6457
<211> 475
<212> DNA
<213> Mus musculus

<400> 6457
tgcaatgaaa tgaatcctcc ccttccatca cactgcaaaa gatgctggac ccttcgtgag 60
aactggcttc cagacgataa ggggaaagat aaagtggaaa tctctgaaaa agccaaactg 120
gaaaactcag ctacagcaga agaaggcttg gatgtgcctg atggcaaaaa gctgacagag 180
aatgatgcta aagagccatg tgctgaggag gacagcgagg agaaggccga acagacgccc 240
ctgtcccagg agagtgcga ctattcccaa ccatcgactt ccagcagcat tgtttatagc 300
agccaagaaa gcgtgaaaga gttgaaggag gaaacgcagc acaaagacga gagtgtggaa 360
tctagcttct cctgaatgc catcgaacca tgtgtgatct gccaggggcg gcctaaaaat 420
ggctgcattg ttcacggcaa gactggacac ctcatgtcat gtttcacgtg tgcaa 475

<210> 6458
<211> 324
<212> DNA
<213> Mus musculus

<400> 6458
gaatggagtg tgcaacaatt tcaagcactg tcaactgcgat gctggcttcg cccctcctga 60

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ctgttagcagt ccaggaaatg gggggagtggt ggacagtggt cctgttggtgta agcccgctga 120
tcgacacttg agtctctctt ttctggctga agagagtcca gatgataaaa tggaggatga 180
agaggtaaac ctgaaagtga tggtgcttgt ggtccctata tttcttgctg ttttactgtg 240
ctgtctaata ctgatcgctt acctctggct tgaagtacaa gaagtagtat ctccaccgag 300
ttcatcagag tcttcgtctt catc 324

```

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<210> 6459
<211> 332
<212> DNA
<213> Mus musculus

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<400> 6459
agatctcaga atcatgtttt ccataaagaa gacacatitt ctagtgatgc agagattaac 60
aaatcacctg tcagctttac tgaagagctt cacagtgaga gaaaggacca cacaccaag 120
gataccacaa cagtcttctg tccaaacagc aactctgaag ccctggaggc agagctagga 180
aattccccag gacgtcagtg ggacctcaca ggagcatgct gttcaagaaa cagaccactt 240
ttcaagttga gaaacaaaag ggtagaaaac ccagggtcag aaaacactcc tgaggatggc 300
ttacttggtg acacctctat tcttaacgac ct 332

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<210> 6460
<211> 528
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

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<400> 6460
aggtcagctc actaggatca acatgaactg agattgactc attaattggt tggccaccta 60
gaatcagcag gatgtttctt tccccatgat gaccctggag ggattctgtc ctccacaaaa 120
ggagtactag ccctgcgtcc tctcttctga ccttgactac atctcatagt aagttcagag 180
tagttggtga taaattaaaa atgggtcatta cagaagatga ttgtcgttgt aactgtccac 240
tcatgtagga agtgtaaccg ctttcccagc ttttggtttt cattgggcat gtgtaatttc 300

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cagaaacaac agattcacac ttaagacact tgcgtttgat gcagttttta atgagtggtn 360
tcctttcctt tgtatttata tgtttttagag actgcctgaa aggtgagcac tgtacttgat 420
aaaggaaact gcatatgcag attcagtatt gtacttctgt ggacaattag gtggacactg 480
agaatgggac ttntcaacct gacaggggtca gctacagtgc cgtgttaa 528

```

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<210> 6461
<211> 187
<212> DNA
<213> Mus musculus

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<400> 6461
tctgcagaaa gctgtcatta cacctgattt tgaaaaaaag catttgtgtcc caccatacag 60
tgagtccaag catcgacttc agaagcagcg caggaaagag cgacaaaaaa cagccggtaa 120
tggttggttt ggcatgaaag ccccagaact gacagatgaa ctgaaaaatg acctcagagc 180
attgaag 187

```

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<210> 6462
<211> 460
<212> DNA
<213> Mus musculus

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<400> 6462
ttcaagcttg gttcactgag gtggttaagt ataaatgcta ttgaatagta gaattagctg 60
tatagttatg cctgtgtgaa ggaggggctc acagctgtcc ccagcagctc ccctaagggg 120
gcagagctcc ttctagacat gtcgtataag tgtgattctt cttttataaa cagtgtgatg 180
tagctgtccc tgggtccctt ccctttgtga ctgggattga atgttttatg gcaggggttag 240
gctgggttgt gtggagctgg agaagagctt gacctcagtc ccaaatgcct gtgaggatgg 300
ggatgggtgg ggggtctgaac acgaagcctc tacctgtgcc tcaggtaagg aaggggcctc 360
cctgcaatca tctgagctaa ttacctcagc tccacagcag gcctgtatcc agggccctg 420
cggaggcatc ctggagtagc ctcggtgtgt gagcacattt 460

```

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<210> 6463
<211> 471
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (299)..(300)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (336)..(336)
 <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> (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> (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> (404)..(404)
 <223> n is a, c, g, or t

<400> 6463
 agacctgccc ttcagaggac gtaggcttag agttctgggc agcttggggc ctagcctggg 60
 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
 tgncccaa at 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>
 <221> misc_feature
 <222> (352)..(353)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (377)..(377)
 <223> n is a, c, g, or t

<400> 6464
 gactgttagg gtgaatgtct gctagataga cttaaagttac ttgaaatgat aatttaactn 60
 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 ttcattggaat gtggaaattt tatgacaggt agttttaagt tnntcttttt 360
 tgtgattttt ttttttnaga agtacaaata cttcttgggg ttaggtaggg ttacagcat 420
 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

<220>
 <221> misc_feature
 <222> (294)..(294)
 <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> (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> (368)..(368)
 <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

<220>
 <221> misc_feature
 <222> (404)..(404)
 <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> (420)..(420)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (465)..(465)
 <223> n is a, c, g, or t

<400> 6465
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 gtccatacaa ggtgtgtcga agtcgaaggg aacggggggac cagaactgcc ggatgctgcc 120
 cgaccttccc aatgccctcc atatcttgga cgggccagac caacgctatt ttctgggctt 180

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agtggatatg actaccgtgt atgggtttcg caaacggctg gaacatgtgt ggaagatggt 240
acgctatcca ggccagagcg tctccactgt cagcccggct cactacgccc ntcncctctg 300
tcggtgggca gaggtgcaca cagaatgact cacgtntctn ccttcttccc ttatggacaa 360
tgcnccgnc aactattctgc anctgtaccc agggagctan cctncagttc ntcctaccan 420
ccaccagagg gaagcaccct cataactaat gctgtgaaga ctcancccca ttcggtgacg 480
gtgctgtacc ctgcataga 499

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<210> 6466
<211> 482
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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<400> 6466
ggacctcggg cagattcctg atgtagacat tgattcggat ggcgtcttca agtatgtgct 60
gattcgagtc cacttagcag agcnttctgg ggatccggcg aaggagtgca aggaaatcgt 120
gcgtggctac aaatgggctg agtaccacgc ggacatctat gacaaagtgt caggcgagct 180
gcaaaggaat ggctatgact gtgagtgcct aggcggcggg cgcattctccc atcagagcca 240
ggacaggaag atacacgtgt atggctactc tatgggttac ggtcgtgccc agcactctgt 300
ttcaactgag aagatcaaag ccaagtatcc tgactatgag gtcacctggg ctgacgatgg 360
ctactgaagc tctgccccac cccccacccc cgggactaag tcaggtnntnt gntcttgctg 420
tgttctgttt tgaggggctg gccctgtgct ttccttttgt accttaggca gcatagcacc 480
tg 482

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<210> 6467
 <211> 554
 <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> (213)..(213)
 <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> (336)..(343)
 <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

<400> 6467
 acatgtggaa gtatgtcccg atgctggggt tatcatccan gaactgtccc agcgcatatgc 60
 gtcaactgga ggtgcagccc tgattgcgga ttacgggtcac gatggcacia 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 aacccccctc 480
 tcctctgtag ctggggttga tgaacttggt tggcagtgat acttcagctt gaacttttat 540

tcctcagtgg gcct

554

<210> 6468
 <211> 317
 <212> DNA
 <213> Mus musculus

<220>
 <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
 tcctgactaa catcaccttc ttgaagggtc tcctctggtt ggtcctgctg ggactgtttg 60
 tggaactgga atttggctctg 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
 tggacttttag 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
 aaaagatttc ctctcgtggt ggattttcag gcaaccgagg aggacggggt gcttttcata 60
 gtcagaacag gtttttcaca ccgcctgctt cgaaaggaaa ctacagtcgt cgggaaggaa 120
 caagaggctc gagttggagt gtcagaaca ctctcgagg aaattataat gaaagccgag 180
 ggggccagag caactttaac aggggtcctc ttccaccatt acggccgctt agttctacgg 240
 gttaccgccc tagtccccgg gatcgagctt ctagaggccg cgggggcctg ggaccgtcct 300
 gggctagtag aaatagcggc agtggaggct cgagaggaaa gtttgtagt ggaggcagtg 360
 gtagaggccn tcatgtacgg tcctttactc gatagatgtg ttcttgcaa caccctaa 418

<210> 6470
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 6470
 gtttaagtcc atgtcgggaa ccatccagtt gggccggaag ctcatcaca agtacaaccg 60
 ccgagaactg acggacaagc tgctcatctt cctggccctg gccctcttcc tcgctacagt 120
 cctttatatt gtgaaaaagc gcctctttcc atttttgtaa gcgagagctg ccagctttgg 180
 cctgtgcacg cctgtccag gatccgggcc gggatctcaa ggactagccg ggctgcaaaa 240
 ctggacttcc cctctccctc gggggctcgg tgaacctaac agagggaac acagcagccc 300
 agcctcctgc cagagggtt ggcaagggtg tgtggaatag aggagccggg aaccttcagg 360
 atggaggcac tccagctccc ccggcttcca aggactgagg 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
 tacatttccc aggagtctca gcagcgacac caaccggaag cggcgggcga attacttgct 60

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cttgcnccggc gagtgaagcg agagactaac catggtggct cgagtgtggt cgctaatagag 120
gttcctcatt aagggaagtg tggctggagg agcagtctac cttgtttatg accaggagct 180
gctggggcct agtgacaaga gtgaggctgc cctgcggaag gccgaggagg ttgtgccacc 240
agcaatgtac cagttcagcc aatatgtgtg ccagcagaca ggtctggaga tgccacagct 300
cccaaccctt ccaaagatta aatttccaaa cttccgtgat tcctggaact caggcatcat 360
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<210> 6472
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cgccatcgac cccgatgtgt tcaagatcct ggtggacttg ctgaatctga atgtggctcc 180
cctcgccgtc ttccagatgc tgaagtccat gtgtgctggg cagcggctgg caagcgatcc 240
ccaggactcg gtgcccatat ctctgtctac atccacatca gagacccgag gaagaaaccg 300
aggtggcccc attcttggca atgtgacat atcggcagaa cgtggaagcc gtgaaagacc 360
catccagaga atgccacgcc agcccagtcg gactcggctg cccaaggtgg gaggatctgg 420
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<210> 6473
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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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 taaaaagaat agtcagcact tttgcctcg gtggaagtgt gagcagttta tcagacaagg 180
 agttctagag cacgtgctgt cctgactgtg tcctgtggtg acagcagctg gatgtgaagc 240
 taagccaact cacagaagga aacgtcctca ctggacctcc cctccttgg ttttaaattg 300
 acagacatgc attaacataa ccaagatggg ctgggggtcca gctcattggt agagcacctg 360
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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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 cctttcccag gccgtctccc ctcttgccgc tgtcctcgca gtggtcacgc ttaacctctc 180
 tcacattcta gatgggaaaa ctcatgattc agacccaagg aaagatctgt ggtgctaacc 240
 caacagttgg catgcacagc aggcattgtcc acttcaactc cgtgtctctc tcaaaacaga 300
 aaggtttgag attcagaaga aaggaatagg aagaanccac tnntcccnca actctcatct 360
 cttcctgaga agagtgcacc agcagccaga gcacagggtc aggggccgaa gggttacctc 420
 ttagcttctt ttaagtgtg agttgatgtt tggcctctgt gggttgctac ctttccctct 480
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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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 gaagtgttag gaagtggctc tcctgtcca tgcagtgttg aaccaccatg agtggatgtg 180
 ttnnttagct ggggtgttaat ggagatttta gaggtggagg agcctggcca gaggggtgtct 240
 gtcagggtcaa gtttaaagac tgccaaagag caaaggttag gcctggaaat gtgaaaactg 300

gatccataac taaggatcta agaagtgtag acatgtagtg gacacctgag ntcagtgtat 360
 ttgtcaatta tttcttccta tagggaggaa cagaattcga gttcaggagt ctctgtcagg 420
 tagggatggt gccgctcaac agggggcacg ggtgaactac ttgtggactt gagggctggt 480
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 atggccacac cgttcctacc ctcgggggcc accacaggng ancagcggtg gggaactgag 180

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ctccggggan gantctggtg atatggaatc cttccagacc cccgaggccg aggggacccg      240
gagtttggcc gagctgtttg agaaggctgc cgcacacgtc caaggcctgg ttcaggtagc      300
cagccggggag cagctcctgt acctgtatgc caggttcaag caggtcaaag ttggaaattg      360
caatactcct aaaccaaatt tctttgattt tgaaggaaag caaaaatggg naggcatgga      420
aagccctcgg tgactcaagc cctagccaag caatgcagga atatatcgcg gcagttaaa      479

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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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 ttcagtttct acaanctcac agtattccaa ttctctaaan tcccttctac accctgcaga 240
 agcccacctg tggctacctg taccaaagag aaaccgacca cacccgnaaa cgctttgatg 300
 ttctccagc aaacctgatn ttgtggcgca cctagnttnt gcggcatntg gaantcccca 360
 tcctgcacct tcctcctatg ntctggntc ccagagggaa agatcattcc tgcctggaga 420
 agcagtgtat acctgggcta gccaggatat ccgtagacag 460

<210> 6478
 <211> 476
 <212> DNA
 <213> Mus musculus

<400> 6478
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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 ggcagtgtg 360
 gggactgtaa gacgcagtag ctgtcctgag ccttgcacct ccagtgagga ggaaactgtg 420
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 <223> n is a, c, g, or t

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 gagaagctgc agcaagagtt tgttgcnagc tgggtgntctg agggagaaatg 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
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<210> 6480
 <211> 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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 attctaacaa gcaagtctgg atggatgagc tgggggtctta tcaagacgat ggagagctgg 120
 aacctgaagc ctgaagcggc gagacctgtg tggcagcaac ctgccccgct gccccggngt 180
 gttgggggcg tggctacctg agcagctgga tggggaacag cgaattgggt cctggaccaa 240

gacatggatg gccagaagag tacagcaggt ggctggcctc aacggagcag acatccgtgg 300
 cctntgagtc cgcaccaacc cagaccccg cttggtgaag aggaggccac cctgccctac 360
 ggtcaccgtg accatggacc tcggccctcg aggccccaga gcacaaggac ttntcgccag 420
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 attta 485

<210> 6481
 <211> 323
 <212> DNA
 <213> Mus musculus

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 <222> (278)..(278)
 <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 aagtttact cagcttgcct gtacaaatgg ttacatcta 240
 gcaacaagtc cacttgcccg ctctgccgtg agaccttntt tctgaggttt ttttcattgg 300
 aagttgtcgc tgccgtaggt caa 323

<210> 6482
 <211> 265
 <212> DNA
 <213> Mus musculus

<400> 6482
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 cttgcaagac agtgaagaga aacggattcg ggaattctat cagtcccag gcttagacag 120
 agtctcccag cccagtgggtg aagagccagc cctgagcaac cttggcctcc ctttcagcag 180
 ttttgaccac tctaaagccc actattatcg atatgatgaa cagctgagcc tatgcctgga 240
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<210> 6483
 <211> 462
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (345)..(345)
 <223> n is a, c, g, or t

<400> 6483
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 ggcatgaagg atgaaatagt tccttggcag agatccctgc aggtcgcgga ccgaatagtc 120
 agcccagatg tagatgtcat cctccgga aaaggtgatc acaggatgaa ggagaaagca 180
 gatattcatc tgcttatttg tactattgat gacttgattg acaagctttc aactgtagtt 240
 ccgtagaatc acatttgtag ctggaatgcc ctccagtgc tccagaagat tgaaagtgtg 300
 gtagtaaadc aaagaccgga atacttcagg gttttccctc ttgtnagttt gtaaataatcg 360
 gatacgtatt tatttaatga tgtctttgca caaatacaca aattgtgacc aaagtattag 420
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<210> 6484
 <211> 431
 <212> DNA
 <213> Mus musculus

<400> 6484
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 ccacaagtca caagctggga ccaaagggtt cttcatccgt gcctctgagc aagttttctt 180
 ccagtatgaa cacagccaag ctggctcctg aaaaagcatc caggttgctg aagctcttct 240
 ggaggggtct agtccccacc aacggccagt gttcccttca ctgtgagcag attggagaaa 300
 tgaaggcaga gaacacgaaa ctacacaaaa aattgtttga acaagaaaag aagctgcaga 360
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<210> 6485
 <211> 542
 <212> DNA
 <213> Mus musculus

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<223> n is a, c, g, or t

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<222> (255)..(255)

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<223> n is a, c, g, or t

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cttctccaaa ccagaagggtt atcgctgaag acaacataga gaaagaagag aagatttcaa    180
tcaactgagcc ttggtcttct cctgaagttg catggccaga ggaaaagcct gattttagca    240
gcttctacat gntgnttnat gttgctgtac agaangcaaa agaaatggag gagcagaaga    300
agcaaaaccc caaccacacn gntccccaac aacagttcat gtagccagtt ntttgaactc    360
tgggaggttc atttatactt aacctgatta gcttgtaatn ccntcttctg ctccatatta    420
ttntccttta gaantctttt ccatcaatgt tttctgaaga aagttactat ccatgatatt    480
caactttaac aaattgctaa ctttatntc ctcccctgga ctttagccct atatatttat    540
ta                                                                    542

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<210> 6486
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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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atatataaca aactacaatt tatatcattg atctgtgatt cttttccaat cacactgaac    180
atthagctgt actttcatgt ttggtttaat agtgtatgaa tgaaaagcct aaaagggatg    240
atagtgttta ttttttaatt tatttggtac tntcaaacac cttttcagaa tgagcaa      297

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<210> 6487
<211> 535
<212> DNA
<213> Mus musculus

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 <223> n is a, c, g, or t

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 cccccccac acaaggccgt gtgggagatc cttgggaacc tgtctgagat cctgggcgaa 180
 gtcctttcat ttggtggaac ccgaactgat aagaactaca tccgtctgga ggagctactg 240
 accaaacagt tgctggctct ggatgccgtt gaccacagg gagaagagaa gtgtaaggct 300
 gccaggaaac aggctgtgaa actggcccag aacatcctnc agctacctgg acatgaagtc 360
 ggacgagtgg gagtattgat gggccaggag ctgatctcgc tggttcgac ctcatttcct 420
 ttagagagct ntcagctcat ggagcctaaa tgtaatttct atgtgcatag tcaatctcag 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

<400> 6488
 ggctccctgg tcagataggc cgagaaggac gccagggttt gccaggaatg agaggactgc 60

ctggtaccaa aggtgaaaag ggagacattg gtgttggcat tgcaggagaa aatggtctcc 120

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ctggccctcc aggtcctcaa gggcctccag gttatggcaa gatgggtgca actggaccaa   180
tgggccagca aggtattcct gggatccctg ggccccggg tcccatgggc cagccaggga   240
angnnnagnc cactnncaan cccctcagac tgctttgggn ccnatnccna atggagcagc   300
agtaccacc catgaagagc atgaagggn ctttcggttg aaactccnc ccacactgag   360
atgaaggact ntactaggaa taaatggcca aagcttacag gantntgatg ggttgtgaat   420
gtttgtgcta ttcct                                                    435

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<210> 6489
<211> 320
<212> DNA
<213> Mus musculus

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<220>
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<222> (154)..(154)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (166)..(166)
<223> n is a, c, g, or t

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<220>
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<222> (218)..(218)
<223> n is a, c, g, or t

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<220>
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<222> (290)..(290)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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<400> 6489
gggagatcct gagccgctgt tccgatttga ggcctgacca cagaccacca cctttccaat   60
tggcctatga ggcagaactg ggcagcaatc ccagtgcctg tgagctctgg gccctggcag   120
tggaggagag gaagcgcccc aacatcccat ccanttggag ctgntntgcc acagaccctc   180

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gggggctgag ggagctcctg gaagattgct gggacgcnga cccagaagca cggctgacag    240
ctgagtgtgt gcagcagcgc ctggcagccc tggcttaccc tcacggggcn tcctntttcc    300
cagagagtcc acagggctgc                                           320

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<210> 6490
<211> 539
<212> DNA
<213> Mus musculus

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<220>
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<222> (65)..(67)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (514)..(514)
<223> n is a, c, g, or t

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<400> 6490
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taagnnnnggc ctacgtcggg gccagtgact gtttcctcct gccatcaaag tgctaagaaa    120
aaacaatgcc tttggccatt ctgcttagcc tgctgaggca ttgtggtgtg agagcagcct    180
tncctacacc ccgccaccta cacacatccc cttggagagc tgactgcagc agggcttcac    240
tcactcgact gcgccgcaa gcctatgctc gcctctaccc tgtgctcttg gtcaagcagg    300
acggctccac tatccatatc cgataccggg agccacgacg catgctggcg atgcccntag    360
acctggatgc cctgtctcca gaagagcgca gggcccgggt ccgaaaacgg gaggntcagc    420

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tccagcagaa gagggaagaa gagccagagg tagtggacag ttttgacact gaacgatata 480
aacagttttg gaccaagacc aagaaataan tctntcaggg agttccacca gggacattt 539

<210> 6491
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(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> (287)..(287)
<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> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(302)
<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)..(310)
<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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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(335)
<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

<220>
<221> misc_feature
<222> (360)..(360)
<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

<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> (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> (406)..(406)
 <223> n is a, c, g, or t

<400> 6491
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 gacttcacatca ctggccatgg gaacttcaaa gctatgatct ccatccacag ctactctcag 120
 atgggtcatgt atccttatgg ccattctctg gagcctgtac ctaaccacga agagctgttc 180
 aatcttgcca aggatgcagt aaaggctctc aacaagggtc acgggatcca gtacattttt 240
 ggcagcatca gcaccaccct ctattcagcc agtgnnnntn nntngnctn gncttangac 300
 nnnncatcn agtatncctt cagcttcgan ctcnngnaca ctggacaata tngcttcctn 360
 cnnccancct cacagnttnt cccacanc caggagacat ggntgncatt acagaccatc 420
 atgaaacaca ccctgaatca cccctattag ccacgctact caggccggag cagttggggt 480
 tcaccctttt ccctgaaaac cctcctgaat taag 514

<210> 6492
 <211> 385
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (343)..(343)
 <223> n is a, c, g, or t

<400> 6492
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 cctcatatatt attccagtct ggatatttga cactatcctt cttgtcatgc tgattgtgaa 120
 aatggccgga cgggtgtaagt ctggctttga ccctcgacat ggatcgaca atattaaaaa 180
 aaaagcctgg tacctcattg caatgttact taagttagcc ttctgccttg cactgtgtgc 240
 taaactggaa cagtttacta ccatgaatct ttctatgtc ttcatcctt tatgggcctt 300
 actggctggc gctctaacag aacttgata taatgtcttt ttngtgagag actgacctcc 360

gagtacatcg tctcatttct gttgc

385

<210> 6493
 <211> 338
 <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> (53)..(56)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (58)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (64)..(65)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<400> 6493
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 ngcnncaagt acaaagcgaa tgntaagtgc gcgatcggcc cagtgcattg tctccatggc 120
 cacgcgctcg tgtgtatcgc ggggcagcgc gggatctgcg gctgcaggac cagtggaagc 180
 cgctattcgc gccaaattgg agcaagccct gagccccgag gtactggagc tgcgcaacga 240
 gagcgggtggc cacgcagtcc cagcaggcag cgagacgcatt ttcgcgtgg cggtggtgag 300
 ctctcgtttc gaggggatga gcccttgca acggcacc 338

<210> 6494
 <211> 196
 <212> DNA
 <213> Mus musculus

<400> 6494
 aacgttgtca acctgacact tgtggattta ccgggaatga ccaaagtacc tgtaggcgat 60
 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

<220>
<221> misc_feature
<222> (26)..(26)
<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> (221)..(221)
<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> (326)..(326)
<223> n is a, c, g, or t

<400> 6495
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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 tttggttttag ttttttttca 420
tgTTTTgtt tatttgtttg ttttgatttt tgttcatttt tatcattcca acttgccaat 480
tttgttttat ag 492

<210> 6496
 <211> 455
 <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> (90)..(90)
 <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> (139)..(139)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (411)..(411)
 <223> n is a, c, g, or t

<400> 6496
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 atgtgtttcac 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 ataagggatga tatggaatgt gatgccaatg aagaaagaaa 180
 tacggaacca actcccggag agaagatact ccnggaccgc aaagagcaaa gggaccggga 240
 gtctcggctg agagccatcg atggcaagct gaaagagctc agtgaacagg ttgaggaatg 300
 tccaatgata acccccagta aacggaatga gcggtattacg tggagatggc tacttgctaa 360
 aatccttgag ccagagtga acaaattacg cagtttgtaa agtgtaacta ttctttttat 420
 ttttataata catcatgggt ctcaaaatgt gcacccctct gtgatttgaa atgt 474

<210> 6498
 <211> 205
 <212> DNA
 <213> Mus musculus

<400> 6498
 gaaaagtcta cagtatcctc tctctgcaag tcctcctgac tacagtgacc tctgccctgt 60
 tcctgtatatt ccaagctctg cggacatttg tccatgaaag ccctgcctta attgtggtgt 120
 ttgctctggg atctctgggc ttgatctttg cactgactct gcacagacac acgcacccctc 180
 tgaacctcta tctactcttt gcatt 205

<210> 6499
 <211> 475
 <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> (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> (324)..(324)
 <223> n is a, c, g, or t

<220>
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 <222> (326)..(327)
 <223> n is a, c, g, or t

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 <222> (336)..(336)
 <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> (370)..(370)
 <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>
 <221> misc_feature
 <222> (407)..(407)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (445)..(445)
 <223> n is a, c, g, or t

<400> 6499
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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 aagantgac aaatcagatg 300
 aaccagatag aaataagtnt ncancnntga gcagcntgga agagagattt caggagcntg 360
 gtggaggacn accggcgtnt cattgagcga cttgctcaag agtgaanccc ttgttcccca 420
 gaatacctgc agattttctgt 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>
 <221> misc_feature
 <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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 gagcagagggc tcttcatcca aaagggaaaa atgatgactc cacactgctt tttagagttc 120
 aaatcaacat ctttctggaa aaatatatatt tttaacagaa tctttttatt atttttaaaa 180
 gatataaaac tgactcctcc catcagtagc aatacaaggt tatgcatttt aaccagactt 240
 tctcaggcct cttttggata cttttagtag ttaactatatt ttgtctaacc ctctgtaaa 300
 tacctantg cataacagcc cnaaccctg gggaacacan ccgagggcac cttncacct 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
 agtgcttcac agttttcatg ctcagctccc agttctctct gacagtgaga gagacatgaa 60
 gaaagagtta cagctgatac ctgatcaact gcgacatcta ggcaacgcca tcaaacaggt 120
 tactatgaaa aaagattatc aacagcggaa gatggaaaaa gtgctgagtc ctcagaaacc 180
 caccattact ctcagtgctt accagcgaaa gtgcattcag tccatcctga aagaagaggg 240
 ntgaacacat aagggaatg 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>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<400> 6502
 taaggcctca agacactaat tttatctggt ttggtaacta ttgataaagg tataattgat 60
 ctccagcagt agaaaaaggc tttaggggtat caccgagacat gtttatagtt cagtttctca 120
 gaagttaaag tgcaagagcc ctgcattttt aaactatata ttcattcacc ttaataaata 180
 tgcaacattt attccactta tttgacaaat aattgcagtg ttaaattgga aatgtgattt 240
 cttatcaata ataccaaaat agcaattaga aatagaacta gccattttta aggggttcag 300
 ngtanctgtt tcctgacagg ttttcagaat aaagattttg catagtattt taagatatat 360
 agtatctgaa acaatttaca gatTTTTata attccattc taaaaatgct taaatttttc 420
 ataagattgt atttttaaat gaaagttcta aatgctatat ttacctata 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 gtttgccctgt gcatatgacc catgtaactt tcttagtctc aaagctgcag      300
ctgtagtccct cagaaaggaa gctccaggac atttcatgac tataatgcat gcactattta      360
tatagactga cctggcttta aaagatggag cctggcaagt tcctcacata atcaatgtat      420
ccacctatcc ttcattttta t                                     441
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<210> 6504

<211> 188

<212> DNA

<213> Mus musculus

<400> 6504

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aagcaaaaat ggcttaaaca tacacacttt ctcacaaaac ttctcagatt tttgggactt      60
aactgtaccc agttactcat gaaataatat attcagtcca attaaatgaa atattataca      120
tttttgtata aaatattaag cttagcaccc atcattaatt catatggttt tactcagcag      180
tgtaaaaa                                     188
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<210> 6505

<211> 423

<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> (293)..(293)

<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> (329)..(329)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<400> 6505
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 agttactcat gaaataatat attcagtcga attaaatgaa atattataca tttttgtata 120
 aaatattaag cttagcaccc atcattaatt catatgggtt tactcagcag tgtaaaaagc 180
 actctatgtc ctcattctct atgcgagagc caatcagtag gaacgattga ccaacagaag 240
 aaaagctggt ggaagaaatt tctagattac tagnaagca ctgataattg tancccagta 300
 gcatatggat ttttaanaaa acagttttnc ttttntccta gcagaacatg ttagaggtaa 360
 ctgagttttc tctaaaagtt ttgtaataat tggcattaag tatatcatta ttcattgctt 420
 tta 423

<210> 6506
 <211> 334
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <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 aagctgcac tatatcacia gcatggagca 240
 cgcgctcttca gactcaccn ccatgtgtgg aaacacacct gataactaat ggatgccggg 300
 tgttttgaag atgactctac acagcaactt tgaa 334

<210> 6507

<211> 511

<212> DNA

<213> Mus musculus

<400> 6507

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aacacaggta acttagccca ggctgaagct gttggaagag aggccctgca attaatacct      180
aatgatcact cccttatgtt ctcatctggca aacgtgctgg ggaaatccca gaaatacaag      240
gagttctgaag ctttattcct caaggcaatt aaagcaaadc caattgttgc aagttaccat      300
ggtaattttgg ctgtgcttta tcatcgctgg ggacatcttg actctgcca gaaacactat      360
gagatctcct tgcagcttga ccctgtggca gtaggcacca aggagaatta cagtcttctg      420
agaagaaagc tagaacaac gcagaagaaa gatgtctgat cttccccta atgttttgag      480
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<210> 6508

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<212> DNA

<213> Mus musculus

<400> 6508

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 tgcaactcac catctggaat taagtacat gctttaaaac ttaagagttt agaagaaaca 180
 aaaggcctta gagtcatctc tatgtnattg tatcctgggt tcccatctc ctnatcctga 240
 tttctcattg ctnttctntc ctncctcact gtaancncc tcntttctgt ncantntaca 300
 gtaagaatnc ctgcttccaa gantcagata catagggacg tttttaccg ttccgtagac 360
 tctgtaactn tcanccaggt ttncctnntg ctgactcctg gcatcacctc ctgggacact 420
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 tnttaacnac cagnntatgt tgggcaaacc ccttcntcct aagttgttnt gtggcantnt 180
 caaaaaancc aaatgantcc ccantcacag gaaccacatg acttcagcca gattagcagc 240
 cacctntcat ntgagncagg cagtaccact tntnttaact ntntnttcca aggtgctaaa 300
 aactcaannt ntgctggtgg aaacagctnt actttntgaa atgattcaga tacactaact 360
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caacgtagtg gtggctgcct ctggtggcct gtcattggag gtctggagggc tgctggcctg    120
naagagctag ctggacgcgg ctgtggatgg atgttggtat agactgcctg ctgaggctgc      180
accgaggcct ctgctctgga ggaattcctg ccattgggtgc tgccctgctc cacagacctg    240
ggatacagga agtcccaggg ctgggcccac actgtncctn cangggntga cattctagtt      300
ttccnnacca agagggttct tccctacctt cactcgtgg gctntgcgtt ttgttttggt      360
ttnttttggt ttgttgagac aggggtctcat gtaaccagg ctgnccctcat attcactatg    420
tgtttgagggc agncnttga atncctgatc cccttgctta tatntccac gtgttgggat      480
ggtaggtgtg ccaccatncc tgaatgacct attttgtttg gatttggatn tctctctccc     540
acagcagtga agaga                                         555
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gaacaaacta cttttttggg agcaaagtgt ctccagcata tagttgacag tggttaggag     180
ccctcccctt cccctgccct cctgtaacag cagaatccta tccttcctct tctgttcatt     240
gtattgacca accagtaatc ctattatgta tctgagtgtg tgtatagggg gaagggggtc      300
tttacatttt ctgtggtttg tgcttttttc ttcagtaaag tagttccac catncgcatg      360
cccaggggcc actacctggc attatcgcat gctgggatca ttgggggagg gtagtttgaa      420
attcaccact ntcctttggt ttggagattc ttatntttta ataagtaatc cgtcctatac      480
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cattttccca ttgctaaat 559

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gcttgccggt tannnnnngg aggagatttc gttggccaac ctggatacta acaagctgga 120
ggccatcgcc caggagatct atgtagacct gatagaggat tccnngcctg ggctttctgct 180
ttgaggtgca ccgggcggtc aagtgtggct acttctacct ggagtttgca gacactggga 240
gcgtgaagga tttcggcatc cagccagtg 269

<210> 6514
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<212> DNA
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<223> n is a, c, g, or t

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aaagttggag gcagggttag aagtaaaggg gaagtgagtg gcatatcaaa actgggtctgt 120
ttcagtcctt aaaatggggg gttatggagg gtgggagtc tggaggtgagc agaaaagaaa 180
gggtgctgctt tatttgaaat gttttcttac ctcatctgt gccccagtaa aggggtccagc 240

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ctcatctgtc tggcttggcc atgttcctgt cactgctcca ctgcctctct ggtgcagctc   300
atgattccag gtgctgcttg ccacactagg ttttctctcg accaatttca gtcattcttc   360
cagtgtgtgt cctccgaagc ctacacaagt ttcctttttc cttttgttnt cgttttcgtt   420
ttctaacttt aaatttttat gttgttttgt tttacctgtt tttatggaan ccttagagga   480
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gattcctgat ttcttcatga agcagacatc atagtttgat catctgggtct ttttctttag   180
ctttgaattt ttattcaaat gtcgcctctc ttctcccttt gagaaacacc aactgactt   240

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tgtaggaggg gccttgctgt ggcctagggg tgtgtgtatg tgtctaaacg aggttggtga 300
gcttccnaca ctccantnt catcttngac catgtgttca tattttcctc ccacgggtgg 360
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<223> n is a, c, g, or t

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acagggcacc atctacctgt ggagctggag ccagacatgg gcaggccggg gcagacagtc 120
tgtgttgccc gtagtcatcc tgggccggct gcagtgggtca cccaccaacc tggcctactt 180
ttcactcagc acctgtcccg gcaaaaacct cgtgctgtgt ggggacgagg aaggcagtgt 240
gtggatctat gatgttgaac acctcctgaa agancntcc acaggcaaca actctgcanc 300
cccaaacaca 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

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ccgggtgaag gcctttgaca ggcactgcaa catggtgctg gaaaatgtga aggagatgtg 240
gactgaggtt cccaagagcg gcaagggcaa gaagaaatcc aagcctgtca acaaggaccg 300
ctacatctcc aagatgttcc tgcgcgggga ctcggtcatc gtggtgctgc ggaaccact 360
catcgctggc aagtagagcc tgctccctgc cctgcgaagg cctgcagaac cctgcccagt 420
gggcgagaaa 430

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gccttgagcg atatgagacc gggactttcc aaaagcaggt tctgttgtgt ttccagcagc 180
tcatggaaga gaaaaacctc aactggaagg ntggttgatg cttccaaaag cattgaggaa 240
gtccataaag aaatccgtgc acactctgag gacgccatcc gaaacgctgc acagaggcca 300
ctggggggagc tatggaaata aatcagcttc cattnccaat acaattttct ggttctgcaa 360
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 aaacagggga gaccatggac aacctcacc tggaggccgg agatgacgca gggaaggtga 180
 agtgggtgga catcagcgac cagctcaagt tgtacgccag tcaactctcag ttcatcaaac 240
 tcgtggcaga gaaacgagat gccactgga gcgaggacca cgccgctgac anccgtgggc 300
 tatagcctnt ccccgtagac canccnctgc aggcctnnac tgcagacaga aggnccacag 360
 aactgacacc ccacagaggc cacctggaaa tgcttgcaac a 401

<210> 6520
 <211> 62
 <212> DNA
 <213> Mus musculus

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 gtataatcga aagccagttg ggaagtacca tatccaggtc tgcactacta caccttgcac 180
 gctgcgagat tctgacagca tattggagac ctttcagaga aagcttggaa taaaggttgg 240
 agagactaca cctgacaaac ttttactctt tatagaagtg gaatgtttag gggcctgtgt 300
 aaatgcaccg atggttcaaa taaatgacaa ctactatgag gantctgaca cccaaggata 360
 ttgaagagat tattgatgaa ctcaaagctg gaaaagttcc caaaccaggg ccaaggagtg 420
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 tgcattggcc cagaggctca cggccaggcc cagagtaact cttgaccag ggaccttcac 180
 atcctcttcc caacacttgc tctcagtagc ctagtccctc ttccctctgt tcccatgtcc 240
 tgaagggctg aaaggggaca agtcctaagc tgtctggccc tgcccagccg caggcattgc 300
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 cttttttcac agctgatgct atcataattt tgaaggattt ttaagtaaaa cagcagtgtgta 240
 catatgtgtg tacaggacac caagactncg caggcangcc ntgaganccc canccantnt 300
 tccgnccctc ggcggacctg cagatgacct ggagttcctg attcagntcc ctntntncag 360
 cccgggctgc ctgggccaca ncntgccag tgtgggcagt gtgacgaaag gcgncctgta 420
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 gcccttacct cctcctacct ctaagcctac cacaggncctc tggaaatcct gtccgaaaat 240
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 cctgagagac caaancctta gncctttgtt tncactntc attagctagg ggnntgggac 360

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agtgcctaca tttgtgctct ccataactgc taccactcag gctctcgctt tgatagaact 240

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tgaacaagcc aagtatctgg gactcaacaa gaatggaccc ttcaagccta actactacag 420

gtattaagtt cctgtaatgc aanccagaag acatgttaaa gaatagaacc aanccttttn 480

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 ttctntngt gattttacctg ggattttacaa ggggtgcaga tcctggaatg cctgaacctt 180
 cggttttaag cctacttttg ggataaagga ctgtttgaac atntggattt ggacgcgatc 240
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 gttttgctgt atcattacaa ttgggcttct ttatattaat gtttgaaagg gattaaacct 180
 ggcattctag aacatgccct tctactggta tgtaaataaa actgtagaat gacacgtcag 240
 atgaagttag tgtgatttta attgtgcact acaaccaagc tgtaaccagt tattaataac 300
 ttagaatgta atcccaggac atttaagcan ttantntaca gtantntnn tgagatagtg 360
 gaagaggagg aagaggaggg catttctgta tttcaggact tttctngggg tttcagaatg 420
 ggtttatatg attttcttta ttatTTTTTg gtagttttat ttattntatc antcttttta 480

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ctggagttta 550

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cctctttctac atcttcaact tcctcaagta taccctctgg ccgtgcctgg tcttggccct 240
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atccaggacc acagtgcacac attaaaggaa actggctaag cagtggacta tccaattcag 240
gaagcaggaa agcagccagg aaatgtgctt ctgttttgcc agttatttcc gacagtacta 300

tcagaaggaa gtggtcagca gctgttccta gcctgtgagc cgaaagcaaa tcagaattta	360
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ntcatagtag atgaatccaa tcaaagatga tacaatattt ccctcacttc tgttttgctg	480
nccttaactg gtatcaaaca gtgtcactga gatattttca aagaacactg aattgtattt	540
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ggaggagcag ctgaagggtc acgggttcta agatgaaccc aagcgtggcg agtttcttaa	240
atggttttgt tctctaactc agtttggctg cctcgggaga tgantttttt nacagtaaac	300
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actactcgcc attaagacca agaattttgg ttttgtgtag agtataaaaa gtgtgtattg	180
ctgtgtaata ttactagcta attttgtaga ttttttttcc catttgtcta taaaagttaa	240

tggaagttaa tgctgtcata acccccaccc caccacccc ccggtggtac cttaaagaga	300
ttaaattgcaa acattccttg ctgagtttgt agcttaaagg cctgagaagc actggcacct	360
tttctctatg atggtttgct agtcgccaac ttctaggtct aaccccagcc aaagatgaca	420
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 <213> Mus musculus

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acaaacggat cacattctga aaccacttcg gagcaaacgc agcagaatag cacgcaagac	180
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tctcagcagc gacctcgat ccaggagctg gggaccctgg atgccagtgg ctactggga	240
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ttggctgaag ttgaccttcc taaactggac ggcgcacaag ggctggcact ggaaatagga	360
gagaaccgcc tggatgatagg agggcccccag caactgtatc atntggatgc cactgttccc	420
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (363)..(363)
<223> n is a, c, g, or t

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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> (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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 <222> (490)..(490)
 <223> n is a, c, g, or t

<400> 6538
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 aattagaaag aagcacagtt ggaacctcga ggtcctttct ggggatcatg agcagaggta 180
 ctggcagaag attttggttag atagacaggc caaacttaat caacctcggg aaaagaaaag 240
 aggcacagaa aagctaata ccaaagctga gaagattaga ctggctaaga ctcagcaagc 300
 cagtcagcac ntccgtttct ctgantnatg actgagaaga tgacgacttt tggncctccc 360
 ttinctgaagt nttcttactg ctgggctncc tcatgactgt tgtgttgaga tntgcatgag 420
 aaaagaaaag gaaaaaacct tggctcctca atgtntcaat aagacttttc taataacaag 480
 tgcattgttn tcagattttt tcaatgaaca cccttacttt tgaatttacg caaatgcaac 540
 ttcaga 546

<210> 6539
 <211> 382
 <212> DNA
 <213> Mus musculus

<400> 6539
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 ggaaatatgg aaagaagggtg caaactgagg tcctgcagaa gaggcagcgg gagaaagcac 120
 acatgatgaa tgccatcaag aaataccaga aaggcttctc tgataagctg gatttcctgg 180
 aggggtgacca gaagcctgtg gaacgcagtg caaaggcagg aggtaaaggc cagcagatga 240
 gtaaagggcc taatgccaaa cgaagataca aaaatcagaa gtttggtttt ggtggaaaga 300
 agaaaggctc caaatggaac acgaaagaga gctacgacga tgtctccagc ttccgagcca 360
 aggtggctca cggcaagggc tc 382

<210> 6540
 <211> 520
 <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> (396)..(396)
 <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> (438)..(438)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (469)..(469)
 <223> n is a, c, g, or t

<400> 6540
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 ctatgacttt aagccaacac tcaagaccga ggacctgttg gccactttct ctgagttcca 120
 agagaaggga ttcagaatcc agtgggtgga tgacactcat gctatcggca tctttccctg 180
 ccctgcctca gcactcgagg cactggccaa ggattttctcc gtgctcaaga tccgcccgct 240
 cacacagggg accaagcagt ccaagctgaa agccttgagc aggccaaagt tcctgcgact 300
 atcgaaggag aggccgcaga cagattcagc ggtggcccgc aggctggtgg cccggnccctt 360
 gggactccaa cacaacagaa agaaagagct gcctantccc ccaagtgttn tgccatcttg 420
 aggccccgga cccagctntc cgaattaggc tggggcccag taccacacnc ctttacagat 480
 accaggacag cccctttgcc ctactggag ctgctatggg 520

<210> 6541
 <211> 471
 <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> (137)..(137)
 <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> (288)..(288)
 <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> (335)..(335)
 <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

<400> 6541
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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 tgtttttaaat acttnaggta cgttcagaaa ggttaanccc 360
 naaatacctt atataattcc atcatttcta tttttctagt ctaataatta agaaaatatt 420

tctatatgct tatctatgcc caaggagtgt tgagtacatt ccagtttggt t 471

<210> 6542
 <211> 553
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (162)..(162)
 <223> n is a, c, g, or t

<400> 6542
 acagaacatg ctggtgcaat gtccagctgc ctctcgggct tactgggcag gagagacacc 60
 agattgtaat ttttcctagg ttatggccat tttgtgtctt tgcgattgtg ctgtgtgtgt 120
 ttgggtttga gggagggcta gctgggaggc ccgagctgcc anttggtgag cagccttgaa 180
 atcagcgctg agtgtctgtg gccctcctgg ccataaggg ctccatcctt agtgatgtca 240
 tcaccactgc ttcttggtgc tttgtggtcc tgatggacag agacaaggg tctgggatct 300
 cagagtgaga agcatcctcc tgggtggggac ctaagcttga gtgtgcagcg tgttacacag 360
 gcacatgtct ggcagggaca cggactggag gccaccttcg tccttgcggg tcactcacc 420
 acctctctct gttcttgatg aggaatgtac tgctttgttc atgctgcccc taccagggcc 480
 actcctactc atgaggacgg aggcgccagc ccctcccctt tttattttac tgttctaatt 540
 gtctatttcc ttg 553

<210> 6543
 <211> 519
 <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> (320)..(320)
 <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> (333)..(333)
 <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> (427)..(427)
 <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

<400> 6543
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 gattttcaga atgacgtccc acactaatcc tgacttatgt cacatagcaa gtaaactaag 120
 aggggaagggg gaggagaagt ggggaggcca gcagcccagc ccacactcag gatcaccgct 180
 cacctttcca gagcattctg gactgagctg agcaacaggc agagggcggtt agcctcattg 240
 tgagggttttt ttttncctg atgtcatcat cataacgtta tttattttaa ttagttatt 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>
 <221> misc_feature
 <222> (315)..(315)
 <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> (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> (439)..(439)
 <223> n is a, c, g, or t

<400> 6544
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 agctttgaga ggaggggttca aataaaaaat tgttaacacc tggaagttgt gaaattatgg 120
 agattttgat tcataatgca aagcatgtaa tttttactat aacatgtgag tgtgaaaatc 180
 tctatcctca ggtaaccggt tgagtgcag agctctgact tcgaaacgag gtaactgtag 240
 gatcggaagg aagagcaggc tcatgtctgc gccacagca ggacccact ggtgtgtctg 300
 gctaaccacc tgtgncccag gaatacaaac ccanccttga gaatgtaggg aaggagctct 360
 tgaacacaac acagcctctg tctgtntnta ctgggcctgt gctgagtgct aagtgcctgt 420
 agctcactgc acccgtgtnc ctgagatgca gtgttgacg ttgacaca 468

<210> 6545
 <211> 431
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (93)..(95)
 <223> n is a, c, g, or t

<400> 6545
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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

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acaaaaggcc ctggtgtcag gcaaggccgc cgagagttct gcaatggcag ccactgagaa 300
gaaggcagtg acacctgtc ctcccatgaa gaggtgggag ctgtccaagg accagccata 360
cctgtgaccc tgccttaggt taccttgcta tatatgtctc tagggccaca tgactgcttt 420
tcctccttgg a 431

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<210> 6546
<211> 393
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<400> 6546
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agaagcatac catctttgga cgggttggtg gggnccttga cacgctgaca gccatggaga 120
atgtggagag tgaccctaaa actgaccgtc ctaaggagga agtgctcata tgtacaacca 180
cagtgtttgt ggacccttat gaggaggctg atgccagat tgcccaggaa cggaagaaga 240
cacagcatca ggtggatcca gaggccaagg tcaagatgag tcagccccag cctggaaacc 300
agggacccca gacataccgc caggggggtg gcaagtacat ccaccctgcg gccacgaaac 360
gatcagcaga ggaagaacca tcgaccagca ctg 393

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<210> 6547
<211> 563
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (490)..(490)
 <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

<400> 6547
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 tggacgatgc cctgaagggtt ctctcagca acccccacat gtggtgggta caggatgcag 120
 accctgaaaa caatagccgc caagcaagtc cttcccagga aagcatcaac cagctggtgt 180
 acatgggctt tgacacagtg gtggctgaag ctgcactaag ggtgtttgga ggcaatgtcc 240
 agctggcagc tcagaccctt gcacaccatg gaggaagcct cccacccgac ctgcagttct 300
 caggagagga ctcttcccc 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 aatggggggac 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 agagaagggg gaattaataa cagccctagt aagaccagcc 180
 cagttcagtg atcctcagaa tcccctaact catgctctca gcaacctgct gggccctgag 240
 ctgacataca tcacagagaa ggggtctgctt tagtcttctg ttggcagggc tgcttatgct 300
 ttaagtactg tcatctcagc cagtccatga tcctcctagt aagggttaatt tttcacaaca 360
 gcatttataa gggaaacgtg aattagtaat gcaggntntt cctgggtggag ggtgattcct 420
 gagagcatgt gctgggaaga cctatcaact ggcttgctgg agagat 466

<210> 6550
 <211> 328
 <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> (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

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<400> 6550
tcaaagttcc ttttatagga ggctaagacc taactatggt acttttcatt gtaagataaa    60
gtttacttat gtaaattatt cgagtcattg ctggtatgca caggcttctt atgtgggtta    120
ttacagtaaa ctaatcancg gtggttcatt actnagttag atactaagta atacttatac    180
tgttcctgag aatagattct ttttcattgag aaagtgaag agcaaattgt taattcttca    240
tacttgaaaa cacaaactga aatatctcac ccatcagttt tccttgggtt ttcactttgt    300
gtagttctga ctgtgcttaa ctaaagta                                     328

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<210> 6551
<211> 540
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

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<400> 6551
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ctaagaatgc actattgaga gaccctatg cactgcgccc agtacggcgc ctcactgaca    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 ttttctatca ttccaactgt    360
ttgggactca gaccttagcc ctnccttgcc aagcctacaa ctgagaatgc tgcttgtcac    420
agaaaccagc cctttacccc tactactctg gacttggaga tcagggcaga gatggaaggg    480
agcctcttcg agggttgtgc ctggcctagc tatcgccacc tgcgctgcat ctgaaataaa    540

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<210> 6552
<211> 428
<212> DNA
<213> Mus musculus

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<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 catcaccag 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 cggtncgccga ggtggaggaa tgggatgcac ttccagactt 420
 gtgactgt 428

<210> 6553
 <211> 504
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (30)..(31)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (33)..(36)
 <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

<400> 6553

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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 tcctcctggg ctctgcgcaa gagttcctca	360
agccttctga ttcattttct gcgggcgaac cccgtgtgct gggctctggcc atggtaccag	420
gacaccacat cgtttctatt gaagtccaaa gggagagtct gtcggggggc ccgtatctct	480
gaccacaatt gcacttctct ttga	504

<210> 6554

<211> 192

<212> DNA

<213> Mus musculus

<400> 6554

tgtttttgtc agagagtccg acagagccct agctcctcca gagctggccc agaaccgagt	60
gacgagagcc cagcagacat ggtgaaaatg accaagtcca aaactttcca agcttatctg	120
ccacactgtc accgaactta cagctgcac cactgcagag cccatctggc caatcacgat	180
gagcttatct cc	192

<210> 6555

<211> 383

<212> DNA

<213> Mus musculus

<400> 6555

gaacctttgg atacaggcct gtcttttagca gaggatgaag agctgggtgtt acatctcctc	60
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 actttttaga cattatttta tactgaaaca actgacagta ggtaggacat 120
 tactgattaa atctagttaa tttgttccaa tgactgtaaa at 162

<210> 6557
 <211> 160
 <212> DNA
 <213> Mus musculus

<400> 6557
 gagccacac 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
 ttaaataataa 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
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<400> 6559
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 cacngcacna naagcnccan gcacaccttc tgcaagagat gtggtgtcca gagcttctat 180
 actccgcgct ccaaccccgg gggctttgga atcgcccccc actgcctgga cgaaggcact 240
 gtgcggagtg tggctactga ggagttcaat ggcagtgact gggaacgagc catgaaggag 300
 cacaagacca tcaagaacat gtcaaaggag tgagnnangg cagtagccct gtaggttgca 360
 tgggtgtgtg tcgctgtgca ggcttgctg ggctaccant ctccactccc catgtntctg 420
 aggttcactc cagccaccat ttcttttaggc agntnnctgc cttaaccag 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
 ttcttaagac tggatgtgtt ctctgtctcaa gttacctgct gctgtctcaa gaggtggctg 180
 ttttcaaggc caccatacgc agcatgcaca cgtgggtctt cctctaccac atggctcgct 240
 gcagcaactt catgaagagg aaacttgtag ccctggagtg atggctcagc agttaggagc 300

attgactgct tttccagagg accccagttt tcagcaccta ttgactact tacaactgta 360

attggttgca gaggatctga cagtctttac tgtatgcatg tgcatt 405

<210> 6562

<211> 62

<212> DNA

<213> Mus musculus

<400> 6562

accctgagag tgcagatcca tgcaaactgc cgtatccgaa gggtttactt ctcagacaga 60

ct 62

<210> 6563

<211> 556

<212> DNA

<213> Mus musculus

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<222> (348)..(348)

<223> n is a, c, g, or t

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 tgtgtgacgc tcaaggttct ccagcatctg gttgtgtctt cggagatggt gggcgaagct 180
 ttgttgccct actaccgtca gatcctgcc aacctgaaca tctttaagaa catgaatgtg 240
 aactccgggg atggcatcga ctacagccag cagaagaggg agaacattgg cgacctgac 300
 caggagaccc tagaancctt cgagcgctac ggaggggagg acnccttnat naacatcaaa 360
 tacatggtgc ctacctatga ntngtgcttg ctgaactgac cgggcagctg ccggagggag 420
 cctcccttgg tntcacance ntcntccct 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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 gaagttcctt ttggctgact cttttctggc accatgccct gtaccaagtg gctatgctca 180
 tggccacagg acttcgcctg ctcaccaagt tctcagagca ataaaaggta ttcattccatg 240
 ccggaagctg ctcccaggtc aggggtggga gtggaatggg gccatggatc aacaggacct 300
 actcaccaag ttctcagagc aataaaagat atctatccat gcctgaagct gttcccgggc 360
 caggggcggg agtggaaggt gccatagatc aacacgactg tggtagtgcc tatgacattg 420
 gtggtgctga tccttggagt ctggataatg accaggcttg gcagggtcgt agccagagag 480
 accctcctct ggacaaacct ggagaacctg tgtgtgtgtg acatttctag cttgtcttgc 540
 tgtgtgatc 549

<210> 6565
 <211> 527
 <212> DNA
 <213> Mus musculus

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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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 gggctggagg ttggagggcg gncccagccn ttncgtgtc ctctgacccc agcgtcccct 180
 tccctccctc gctctgcagg taccggctgt ctggtgagag ccgtggagat ggccgcccag 240

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cgccaggcgg acatcatcgg gaagcctagc cgcttcatct tcgactgcgt gtcccaggag 300
tatggtatca acccgagcgg caccgtcatg gtgggagacc gcctggacac agacatcctc 360
ctgggctcca cctgtagcct gaagactatc ctgaccctca ccggagtctc cagtcttgag 420
gatgtgaaga gcaatcagga aagtgactgc atgttcaaga agaaaatggg ccttgacttc 480
tatgttgaca gcattgccga cctcttgctt gcccttcaag gttaaag 527

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<210> 6566
<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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tggcattgtg gaggagacgt gcagctgggt cactttctta gttgatgggt naactgaagt 180
tccttccac cccaacaaa gaagatgttt agaaaagaga ttgggagtgt aagtttccaa 240
ctagttaaca gtgctaaacc gatagagctc tcatttgggg atggcatgcc agagtctgta 300
gagatgtctc tgtcatgtca cttttcaagg attccttant ggggcttgat cctattancc 360
naaacttttg gtggtgaggt agagatttgg ggtgggnccg ggggtagggg atggaaggat 420

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atgcttcctc tgcctggcag atgtctacag cttgaaacaa acagttgtac ctaatgaact 480
 ttattcgttt agtgaaaata gatttataca cgaaccatct tgtttcca 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 tcaggaaca aagaatttta cagcgactgc 180
 agctcagaat gtataaaaag aaaggaattc aggaatctga gcctgagggtt acctcatttt 240
 tccctgagcc agatgatgtt gaaagtttgc tgattacccc cttcttgctt 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 cccacaaga cttgggaaag ggcaggacgc caacttagaa 300
 gcctacacag atgacctggg tgctgtgggt ggtgcatgcc tagaggatga agccagcgct 360
 ctgcgcttg atgaagacag cgaacatcct cccatgattc tccggactga ctgacctga 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 catctagggt ctcagaagca 240
 cagacatgta aacaggtggg tgggttgggc tttaggacat actgtcacag gagagcttcc 300
 agggctctctg agctggTTTT cttcacaggg 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>
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 <222> (26)..(26)
 <223> n is a, c, g, or t

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 caaagcccat gccaccact gtccgtccct ggaggccagc tggagcagct cctttgtcct 180
 catggtatat gccagcagga ggtgggaggg tcagcatact tggggagcat aaggcttgac 240
 taaccaactc catgtggaag aaaaaaagct atctgaggaa tgcagtgcc ctgtctttct 300

ggggcaacag tgtgtagtct atgctgcttc gtctaagtat tctcctttt

349

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<211> 517
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tcagtactgc ctttgctgga ctcacggacc acttggctat gggcctgaag cttcaagtgg 180
 tatgctcctg acgctggtgc ccagacaagg ggatgaatgt cgagaaagac caccatgggg 240
 ggagcggagc ccaataaccc aataaccatg cgactcaaag gatctttatt gtggggggcac 300
 tcatactgct tncctgggccc ggcggtactc atacacactg cctcgntntg ggaaggctgg 360
 atatagcggg ggcgagcctg gtggtggtgn tggntcntcc ggntntccat agccccacc 420
 cccaggcgtg tggaggcaga acgntcctg agaagaagag caagttttaa cacaggttgc 480
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 aggaatcatc agagagatga ccaggaggga gataaagact ggactgttaa aaaaaaaaaa 180
 aangattaaa aaatctcgat gatagatccc agcactcctt ttcattctgg gatgtagggg 240


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cattgattat tctatttcgg agtagttttt ttatatggaa tggggttatg tttgtgcttc 300
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tgtgtgacac taatccagct gtaacctttt ctgtaaacgt tatgaataac ctcacctcaa 420
atggtgagtg ggctaattgtt cacacactgg agctctgtca actgcatttg ccctgtgtgc 480
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<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 cttaactcca ggggtctacca gcccagtggc tagctgcagc tttagcacct caacttcccc 180
 agcacgacaa gcagctagaa gcgtgtccca gagctctggc tgaccagggg ctttggcctc 240
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 ttgagggttgc tgaggaagag gcccatgtgc cccacactgc tgctcttgac ttctctcctt 360
 nttcttcctc ctctctctcc nctnggncag tacttcanat tcacgnagat ccaggggtccc 420
 caggggtcaat tntactagct ccaactctac ttcggaaccn tnttcttcct gagactctga 480
 acctagaaaa agataggatc ttagatctat ctaaggaata gggagagggt tgaaagatgt 540
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<210> 6575
 <211> 356
 <212> DNA
 <213> Mus musculus

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 ggagttgctg agtcgcgggtt gggatgaacg agagcttcaa ggtgtccttc gaggaaacct 180
 gcttcgggtc ttcagacaag tggaacaggt gagagagaaa agccttgggc agagccctgt 240

ggaggtcaag tttccagaga ggcagcagag caacacctgc cactcccacc tgctgcctca 300
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<210> 6576
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<223> n is a, c, g, or t

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gcacagtggg gccccccacc cggccaccca cagcgagacc tcgccagagt ctagagccca 180
ggncgggctg gtcccccaan acanccgagc ggcctttcgc tccttcctac ccacaggcct 240
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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 tggtgtcatt gtttggtctt ggtagaatga 120
aacttgaaga catttgataa ctgctctcat ttaacttcat tactacttac cacagcttcc 180
tcagtgtgtt gaacaaggca acttttctag gtaagtgtct cttaaatacag cacttagatg 240
acttctgaac gtcaggccca ttgaactgat gttgtgtaga ccgtttctaa gtcctaattt 300

ggaattttca gatgctttgc acttgacata ttccaacagt tcattggaac atggaggcaa 360

aacgccagcc tgctaaagag agcttcagtt ttacaacctg gccca 404

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 <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

<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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aagaaacatg cttctaactc tggagcagga ggccaagcga cngnagggtg ccaatgccaa 120

gtccggagcg cttagaaaag gtcgttgatt ccatggataa cntagataaa gttgtccagg 180

agaggggaana tgctctaagg cttcttcaga ccggtcaaga aaancccaga cccggtgctt 240

ggagaaggga catctttgga cgaattgtct ggcacaaatt caangcagtg gcctatacct 300

tggtagcctaa ataaaagata caacaggagg cggttcttcg caatgcctta tntggatcgc 360
 tttatcagac taagaattga gaaacacgcc cgcattgaag caagaaagag aagtttacag 420
 aaaaagaaag aaaaaattct ccatgcaaag ttccacatc 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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aagaaggagt taaaagtgga gtctatgttg taatagaaat taaagtttca actcgagaag 120
 ggaaggnaaa taaccngccg aangttnacc tgatgacgaa ctacgagagc gcgcccccat 180
 caccacagta taagaagggtt atctgcatgg gtgcgaaaga aaacgggttg ccacaggaat 240
 atcaagagaa attaaaagca atagaaccaa atgagtataa aggaaagatc tccgacgaaa 300
 tggaagacat catcaaaaag ggagantcaa aactntncat aacagactct gaagctatgt 360
 gtgctagtat gaagtgtttt taacgtttgc gaacaggant ctggaccttc ttggttctga 420
 ccttgatttt caacagtgtt gggaagggtt tctcacatag gtgattcttt atttttaact 480
 gtaacaaaga actggaatgg ggatgggctt agaccattaa agggaccag 529

<210> 6581
 <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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<221> misc_feature
 <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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 <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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 gagggatgag tacctgcctc cacaccccc acaggagaca ctagatgtag gcagattcca 120
 acgactgccc cagctagacc accccaacct aatccaacgc aaggccatct caggttatgc 180
 cggcttcgtc ccccggtttg cctgggtaat ggggatgaat taccgtgatg gtgtcacaca 240
 agctatggat gactttgaca agaaccagtt cgtgttcaga caccagctct gtgccctggg 300
 tgaaaggctg cctaggaccc actggccaaa caccaccatc tntagaagcc aaggcctgat 360
 tncctttcta catgggcttt atcccatcca tgcaggacaa ctatncactn acattcggta 420
 acagcaccgc aagagcctnt cagaaggaat tggacaggcg aanccacaca ctatgaattg 480
 ctttaatggg ggtatctgta caagtgatgt caggacacag gacagcaaat gcacagtgga 540
 catggctagc agaca 555

<210> 6582
 <211> 506
 <212> DNA
 <213> Mus musculus

<400> 6582
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 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 tttttaacc ttggcacatg	420
gatctatttg aacatagtgg gaactttctc tgtttctcat ggagagaccc caggtacacc	480
tgtgcctac ataatgaagt ccctca	506

<210> 6583
 <211> 498
 <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> (433)..(433)
 <223> n is a, c, g, or t

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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 agaattctaa	120
ttcacattca cccttggtcta tatggtgagt tccaggccag cctgggctac acaagaccac	180


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gtctaaaaat gaaaacaaga aacaaacaaa catacaaaaa agaaaataat aacttaggaa      240
gagccgtttt gctgagcttg ctaagtgtca gtgggagaat gtgtttcctg gagaccaaag      300
tcattcactg aagtcattca ctcaggaatt acatacacat ggaaagtcac agacttagct      360
gcgttccgag ttactgacca ccagggggca gcatagccct tgctctcaag taaa              414

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<210> 6585
<211> 404
<212> DNA
<213> Mus musculus

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<400> 6585
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cccagaagat ggcaaagatc aaccatctgg aaatggagct taaacaagtc tgccaaactg     120
tggaacgggt gtacaaggac ctatgtgtcc agtctgaggt tcccacttgc gaagaacaga     180
attacaaaga tgggtgaatgc tgacttctgc taagaggctt ccatctcaat gtgagaaggc     240
acagaggctg ctgtttgagg catgctgata ttgtttttta tagttctgta acccaacaca     300
aagccaccaa tgctctttgt gctaattacc gtagtgtgac aaggtttgac cctgccataa     360
gccttgcctt agcaaattct cccaaccac atctgtagtt gatt                          404

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<210> 6586
<211> 407
<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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 gcttatgaaa tggaatctcn tgcacnaggg aagaaacctg aaaaccagc agacatgatt 180
 gaagaaggag agtgtatcct atctgtgaac atcttatatc ctgttatatt taataagcac 240
 aaagaacaca aaccatacca gaccatgttg gtactgggca gtcagaagct cacagaactg 300
 agagattcaa ttgtgtgtgt cagtgnccct cagatcgggtg 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 ggtagcaca ggatgctatg tgatg 225

<210> 6588
 <211> 385
 <212> DNA
 <213> Mus musculus

<400> 6588
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 tgtgacaaac aagtctggct gcagtcagga tgggtggcag atggagctct gataggctcat 120
 acatgaatgt gaacgcaaag acatctcttg catgcggctg ctagctgtgg gtaaggctgt 180
 cctggaactc ctgcagctgg ctggagaggg agagccatgg cttccgggag gaagtggggc 240
 tcctggagca agtgtcaaag ctttacagat ccactgttac cttcacgtta gcagaagcta 300
 aattttgttt ttgttttttg gttttttgtt ttttttaaag agggctgatt tgatttgtgg 360
 gattgggtcac tgacatggtt tgcca 385

<210> 6589

<211> 530
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gcagacattg cagccttttt atattgcctg ccaaaatttg aagtattaga acaaagtgtg 180
 ccatgagaga aaaacttaac aaggagtttt gaaaagaaat gcaaagaaca aaactacaac 240
 actatTTTTT aaaaagttga gtatctgagt taaaatttcc aaatctttat ttacaccac 300
 cttnaaaaat tatatgagaa caaggtacat gcattatgtg tcacattact gggcaaactg 360
 ttcaaataatt ttttttaaac ctccctgtat agaaaatatc attaaggatg taaaanccat 420
 gcttgccat ttgctgtata catgtaatga aattgtagat aaagtgtagt gcattgaaac 480
 aaatgaacaa aaaagtagat acttttacta tacaaggggtg ctgggtgcaga 530

<210> 6590
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 6590
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 atccgcaccg tgaatctggg ccttaaccac ctggacagcg tgcccaccac actggggggc 120
 ctgaaggagc tccatgaggt ggggctgcat gacaatctgc tgactaccat ccccgccagc 180
 atcgccaagc tccccaagct gaagaagctc aacataaaga ggaaccctt cccaatgca 240
 gatgaatcgg agatgttcgt ag 262

<210> 6591
 <211> 535
 <212> DNA
 <213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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> (486)..(486)
 <223> n is a, c, g, or t

<220>
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 <222> (508)..(508)
 <223> n is a, c, g, or t

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 ttcagaaaca aattcaagga gcaacagcca aatacctacc ttggctttta 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
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 agctccggga tgaccaatc atcagcacac atttggccaa gctgtacgat aacttactgg 120
 aacagaatct gatccgggtc atcga 145

<210> 6593
 <211> 288
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (131)..(131)
 <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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 caacctgtat actttctaata agtatcaggt tggcccattc tttattgaag cataaagaac 120
 caatgggtag nctcgtgggc tcctgtgata tcactgagat gggaggaact gtatcatata 180
 tagtaacggt caagaaatgc attgcctcag ttttacctcc cagccccata gacatttcag 240
 ggcttttnta gtctgctaga gttcttttct gtgtgaccat ttcctgtg 288

<210> 6594
 <211> 266
 <212> DNA
 <213> Mus musculus

<400> 6594
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 taattttataa agttcagcct tcattaatcg catggggtttt tctgcagctt tttgtgaata 120
 ctattgtttt gtgtaataga aacatttgta tatatttaata atcaaaatat ccatgtggat 180
 agtaaaagta cttcattgga cctactgtgg atattttagtag gagtctttat ctacaaataa 240
 agcaacagat agttttgtat ttagtt 266

<210> 6595
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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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 ggctgggcat ctactgtggc atgaagacc 89

<210> 6596
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 6596
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 aaaaatcagt tgtaccatct gtggtcataa atttcttcga aagagccagt tactggaaca 180
 catgtataca cacaaaggta aatcctacag atataaccgt tgccaaagggt ttggaaactc 240
 attggcccag aggttttcagc agtattgtga cagctggccc gatgtcccct taaaaagctc 300
 tcgcttgtca caagaac 317

<210> 6597
 <211> 559
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (33)..(33)
 <223> n is a, c, g, or t

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 ttccactagc agctcgggac ttgctgtggt ctcacaggca ggctctgcag acctgttctc 180
 agagcccagc atcacttgct cagattttac agtgtcacta gaggaacctg cccaatcatc 240
 agaatggctg aacatttgtc ttgtaaggta ccgttttcct tgaggtttta gactagtgtt 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>
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 <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 ttcaaattgcc atcgatccaa cggtaccaac acttcggctc ctcaagacat 360
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 gttagatcag cccatcgcag cttgctgcnt tcaatcaciaa tggaaacata tttgcctatg 540
 cttccagct 549

<210> 6599
 <211> 579
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (91)..(91)
 <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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 <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

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<222> (485)..(485)

<223> n is a, c, g, or t

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<222> (534)..(534)

<223> n is a, c, g, or t

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<222> (549)..(549)

<223> n is a, c, g, or t

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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 tcattctgcag aaatgcctac catcccattg 300

gggagtgcag ttgaggccat cagagtcaac tgttctgata atgaattnac ccaggcttta 360

actgcagcca ttcctccaga gtccctgacc cgggggggtat acagtgaaga gaccctaaga 420

ncccgttnt atgctgttca aaaactagcc cgaagggnag cgatgattga cgaaaccaga 480

aatancctgt accaatactt ctttctctac ttacagtccc tactcctggt ccncctaag 540

caactgaanc ccccggcgga gctctaccct gaagatata 579

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<211> 555

<212> DNA

<213> Mus musculus

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<222> (359)..(359)

<223> n is a, c, g, or t

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<222> (477)..(477)

<223> n is a, c, g, or t

<400> 6600

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gctctcaaac ttgaggcgag aaaatgaagc cctgcgggtca ggccaggggtg ccagcctttc 180
tgtagtgaag cagaacaccg acgtggcctt gcagaacctc caccttgtca tgaacagtgc 240
acacgcatcc ataaagcagc tgggtgtctgg ggcagacaca ctgaaccttg ttgctgaaat 300
cctcaagtct atcgacagaa ttagtgaagt taaagatgag gtggactctt gagacgctnt 360
acctgccacc ggggtcccgtc acctctgcac cgaaggcacc acacatcttc cgaatgtgtt 420
cctgtctatg cagtcctcat caaagcattt cacggcctaa tcatgtgact ggccatntgc 480
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<210> 6601
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 gctgccgtcc tcccaccagg accataggac caaggtcaca cactgtgcac agtgcaaagc 180
 ttcatacacc ctctactgtg tgctgtcagc tttggaaagc catttggggc tgtcgatttt 240
 gatncacnnt nnatgtgttt gtgtnccttt tgtatagtnn caattcagac tggaattaaa 300
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 <213> Mus musculus

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<220>
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 <223> n is a, c, g, or t

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 catagcagaa ggaaagaaac aaacaaaagc gggttgtcgc taaagccttc aacactacaa 180
 tagactgtga gtcgaaaaag aaaagccaca gtcctgttgc ttggagaatg gatcgaacta 240
 gagaacatta cagtaggcac aggaaagtgg atgcggaaaa ataaccaagg aactgtctg 300
 tcattcacag ccgctagggg caacatttta aatggagggg gaactctctg ggataaaagg 360
 agaaccagga ggaggcgggc gagggtaagg gtgggtgtga tcagagcaca tcatacaggt 420
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<210> 6603
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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

<400> 6603

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aagctgcgga tgtgaatatg acagatgaag agggcagagc tctgctccac tgggcatgtg    180
accgaggaca taaggaactg gtgaaagtct tgctacagta tgaagctggc attaattgtc    240
aggacaacga aggtcagaca gctcttcatt atgccgctgc ctgcgagttt tnttgganan    300
tcgtggaanc tgctgctcca nntctggcgc ntgacccac cctccgagac caagacggct    360
gcttgccaga agaggtgacg ggctgcaaag cggctctntct gctgctgcag cggcacagag    420
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<210> 6604

<211> 167

<212> DNA

<213> Mus musculus

<400> 6604

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aattatttgt ggtaaggaaa tattctttaa tccagttgca tttctcagac aatgaagtgg    120
tgcgatcatg ctacctctg ctttgtcaac aaagatgcta tttaccc                167

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<210> 6605

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<223> n is a, c, g, or t

<400> 6605

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tccgttntt caacaaagag ctatttacct tttccatttg tatcataata gattttaaaa    120
atctaattgtt ctttattgca agacatactt ttgttaacag aatttgtttc tttgtaacgt    180
tttccatagc tttgacatgc ttacaggaca gggttgtctt tatttaacat tgtagaaatg    240

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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
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 <212> DNA
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<400> 6606
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 aaagaatgta cagacggaca tcaaacatgg ttgggctgag ctatccaccg gctgtaatcg 180
 atgcattgaa 190

<210> 6607
 <211> 466
 <212> DNA
 <213> Mus musculus

<400> 6607
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 aggattatgg ggactctata tggctctgtga acaagccacg gttgctgaca tgctgcacgt 180
 tgtacaaaac gaatggaagc gtctgtgtac agatgtgact gagagtgagg ttgcacgtgc 240
 aaaaaatctt ctgaaaacaa acatgctgct gcagcttgat gggtaactc caatttgtga 300
 agacattggg aggcagatgc tatgctataa taggagaatt cctatccccg agcttgaagc 360
 aagaattgat gctgtggatg cggagacggt tcgacgagtg tgcaccaagt acattcatga 420
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<210> 6608
 <211> 454
 <212> DNA
 <213> Mus musculus

<400> 6608
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 tctcagcggg tggaagccat catggcatcc atgcaggcca cgggtgcaga ggaggtgcag 120

ctgcaggaga tagaggagat gatcacagcc cccgagcggc agcagctgga gacactgaaa 180
 cgcaacgtta acaagttgga cgccagtgag atccaggtgg atgaaacat cttcttactg 240
 gaatcataca ttgagagcac catgaagagg cagtgacca gaagaagcaa tgctgggatc 300
 aaactcaggg cctttcacat gctagtcaac tgatgttcca ctgagcacat ccccaaccag 360
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 ggaggaggtg gtgactagat gagttctttg cagt 454

<210> 6609
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 <212> DNA
 <213> Mus musculus

<400> 6609
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 gttggtacac tgggcgcccc cgagcgccac gaggagcccg aaggcggcca gcaggatgga 180
 caccacgatg agggctcggg cggcctgcag gtcctgcggc agggccagca gcgagtcgta 240
 cattttgcac tgcattctgac cgggtgctctg caccacgcag ttcattccaca ggccctccca 300
 ggtgatctgc gccgtgatga tgctgctgcc gatgaaggcc gaaacgcgcc acatgggaag 360
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 caggcccatg gacatggctg ctggacttga accggc 456

<210> 6610
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 <212> DNA
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 <223> n is a, c, g, or t

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129

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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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 ccctatgcag gcaatgaatg agattgatgc ccagctgttg ttgaacaagg aaggatcacc 180
 gagtaattaa ctataagtat ttggttataa aaacagatct ttgtgtgtca cataaatgtt 240
 ctcattttga tactgcacat ttcagagaaa tataatntaca ttntacntc ctatatntac 300
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 <212> DNA
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 <222> (67)..(67)
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<400> 6612
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 atccccctct tgatattctg ctttnccaca ctgtacaaac tgagacacct acgtgacaaa 180
 agttatgaga gtcaatactc catcaaccca gagctggcaa ctctatctta cttccatcca 240
 acagaaggct ccaatcaaac antcttaacc gacgagtcaa gcttctntccc tcctgaggag 300
 acaagattcc tccttcctga ggagccgggt aaggagctca tcgttgagag aggccctatg 360
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 taacta 426

<210> 6613
 <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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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tctgcattga gacctanctg naggacgann accagctgca tctngtgncc agacatttgc 120
 aagaantgnc caagnaagca gangagnccc tgctctcgct gncaagagga nacaaagtga 180
 ggtttaccat ggaagttctt tttccagaag ccatcatctn ctccatcnct gccctggatg 240
 agntcannta canggaggca gaagagaagt acctgcgtn gcccacccgtg cactancnt 300
 gagaaagagc tattcgacaa gaccatctta aaggcggcca ggaagaggtc agcagccagg 360
 attcgggctg ccagggaccn tcctntgccc actccttaga agggatnntc ctcctttcag 420
 ctgtcacccc tgannctccc aagacaggag acaggaagtg cctccaaact ggaacatctg 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

<220>
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 <222> (209)..(209)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ccatcatctg tagcattgtt accagggcta ttgggacagc ccaccatccg gggactgctg 180
 tgtacctgtc ctgacatcca gctgcccang gnctaggagt ggatatgagg ctgagcccac 240
 ctaaccgggc agagacttgc tgaactttta acttgaggat ctttctcttg agaaaacctg 300
 tgggcatttg agccaacccc acctggcctt gaatcctgac tgttgtgtcc tgggcaagca 360
 cttcacctct catgagccct tgttcccat ttgtagaata agacaacaca ncctacctca 420
 caagggttgt tgtggggatg atntctgaaa tacaactacc atgctttggt ttgcttcttg 480
 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

<210> 6616
 <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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<222> (371)..(371)
 <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 gccaaaggcag aagtctaacc 300
 gctggctcctg gggaagccct ctccatggga gctcgagcat ccacagtgga gatccagaca 360
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<210> 6617
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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

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aggacaagca gccccagggc ctatccaaag aaagccaacg catcacccag acatccaagg      240
aaggggctgt ttctctgctg cagcagctct cgaccatcac aacctataag ccaggggatc      300
ttgggctggt gcctcgacgt ccggtccgca tcccactcaa accccagnat ctcaggcccc      360
tctcctatat naccggaatg gggatctgcc agaacacgaa tgagatctac cctctggag      420
ctntcaaaag gttcagaaag tttacccttc ctagaccttt cctacaccgc aaatagcgaa      480
cggggagacc aagctgntgc agaaacagac tgatgtggcc acagt                        525

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<210> 6618
<211> 450
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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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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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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tctgggagtt agttttggaa cgccattcgg ctacaggtatt ggcaactggc tgcaatcaag 120

tggccttaggt tcttcaaacc ttggaggatt tggaactagc tctgggtttcg gatgcggtac 180

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ggatactaag gaacaggaat tagcactgtc taacaaacag ctactagtgg tccgtcaagc 240
tgccttacac gagctgtttg aaaaggagta tcagcagtac cagcaggann nnnnnnnnat 300
gggcaaagct ttttatgagg anagactctg acagctgcca agacactgtt nttccacntn 360
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 gaaaaagatt tagctctggg gcttctgcaa actgccgtgg ctcagcttat ccccagccc 180
 ctttcctcca tcccagcaga gaagctctgg aaccatctcc aagagcttca agagcctcaa 240
 gagacacaag aggcagccta cagtccatcc ctgaagaaga ctaggtcacc acctctaccc 300
 aaaacagaca aaccagagta cataggcaaa ncccaantcc tcctggtgca tcccancgag 360
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 ctcagtgcag tggctcggac cntnnnnann cennnctgct 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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 ggctcgggag gcggaccgcc cccgtggcga ctgaggaatg aggtgtcccc gaaggcgctg 240
 ccaccgcgtc ccacgtgcaa tgtgtgcctg aagtctccga ggggtgctga gatngagagt 300
 gntccgcgat ccagccgntt nttgggntgt gcagggccca gntgcttcat taccggnntc 360
 tgtggggaca tnggcatatc agagntncnt nntccgggag cccaantnt gtntccctnt 420
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489

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 gtattatctg aagaacagaa aannaaagag aaacagcctc agaaagggtgt tggacaacag 180
 ttagcatagc attattcatg gaaccagagc gtcagaagan nntagaggca gagaagcaag 240
 aaaagatggt caaagaaata gaccaagctg agcagcatgg taggcangaa caggaagatc 300
 aagagtttta ggccacgtgg gctacatagc aggatgctgg ggtaaaagtg ggggggtgtnt 360

gatagcacc c aagtttactt taaaacattt atgtagtcnt cagaaaganc aagaaacagt 420
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ccattgcttc ttgcaaaaag 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 gatgggtatgg agaccaganc actgacaaat accttttcat 420

aaancnaaat attcccctaa gagagttcct tattttactg tgaaatgcat tncantcggt 480

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 taatcgcatt agtcaagtca ctaacctgaa ttacaccaca aatctgaccc acttgtacct 180
 acagaacaat tgcatttcct gcattgaaaa cctcagttca ctaaagaaat tggaaaaact 240
 gtatctggga ggcaattaca ttgcggtcat agaaggcttg gaaggattag aagaactaag 300
 agagcttcat gttgaaagtc agaggctccc tctagggcga aagcttctgt ttgatccaag 360
 aactcttcgt tctctagcga aatccctntc tactttgaat atcagcnaca ataacattga 420
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 tttcatgtag tgaggacagt agaattntgc tctgggatac ccgctgtccn nangccggcn 180

ntcacagatg gncctgcaat gcctctggct acctccctac cgctttggct tggcatcctc 240
 agcagagtga agtcttngtt ttnggtgacg agantggntc tgtctccctt gtggacacca 300
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 acnattatga ctgtgctttt gataaccagt ctttgtttaa tcagttttcn aaaatagata 180
 aacagaaatt tgagagactc aaagacataa tacttgatgt ataaaatgga actaattggt 240
 gagattattg tgattttcta agactgaata gtttgcatth aattttgcta gctgtttggc 300
 aaaacctgtc aactttctaa catgtttcta ggtatttata gaaatcatcg ttaggatttg 360
 actatcttaa cacaaaaata aatataaaat aatcaatttt aaatagtaaa tngatataag 420
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 gaaggaaact gttttgccaa tgcacaagag attggacagg ctcatctcac actgtggccc 240
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 ncantggntg nntccagnnt ctttcnttga tgttncaata gatgctactg ggccaaggag 360
 agcctggact catcaatgnc ctctgtataa gaaaagagat gagaatgata agatatccca 420
 aagcaggtag aagcaagccc aagttaacaa ttcctattag atacttgcaa tattcctgtt 480
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 ctgggtgagc cttgggatct ctctagacca taagcatttg aatcaggagg ataaataaag 120
 atcaacctca caatgtgggc agctgccatc taattcatag agcacacacc caaacaggtt 180

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gaaaaggtgg agactggatt cttgctctct tcttactttg agacattctt cctcttcttt 240
ccttgaaagt cagaccttct gtttgaactn nanatgntcc aaagantttt nantataatt 300
aggctatcaa tcatnacaat aacancaaca aatccttgag ggggnaaaat naggtaacac 360
agttaaaaga aatatgagca actttatnca tncngttcat tcacaatgnn gatacatagt 420
aaccacctaan tcaanttaaa gagaatggat tgcattatit atggtntcnt cgtgccatga 480
gttcagcaag accatgttgt tatccagctt ttca 514

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<210> 6633
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<212> DNA
<213> Mus musculus

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tccacctgca atcttcagca gcaggagcca aaacagagga gccgatcaat ggcatagaact 180
ggaccaacac ccaaggcacg gaagaaagaa ctgagtacct gaagaaagta agaagcatac 240
tgaacattgt caacgaagga cagatatcgc tcttgccaca cctagctgca gacaatctgg 300
acaaaattca cgatgagaac ggaaacaatc tgttacacat tgctgcatca a 351

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 cgccggccac ctacccagc agctcntcca gntcctcacg cccacggctg gccaacagtt 180
 tntgcagcag aggcagcttg ccgtngtgcg ccgcattgta caccgctgtg tgcagatcca 240
 tgctggaagc ctngctgtg gatctagccg ggccgcccgt cgccagagac atccttcacc 300
 ttctccaggg ctgtcatctt agcggttctc ctgcttctgt taaat 345

<210> 6635
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 6635
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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
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 ggcataacca atctgtgcgt gatcggcggg gacggaagtc tcacgggagc caacctcttc 120

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cgaaaggagt ggagcggact ttggaaaaa ctggctcgga atggtgatat cgataacgac   180
acagtgcaga agtattccta cctcaacgtg gtgggtatgg tgggggccat tgacaatgac   240
ttctgtggca cagacatgac cattggtaca gattcagccc tgcaccgaat tattgaagtt   300
gttgatgcca tcatgaccac tgctcagagc caccagagga ccttcgtcct ggaggtgatg   360
gggagacact gtggttactt ggccttg                                     387

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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
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<210> 6639
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 <212> DNA
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 <223> n is a, c, g, or t

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ctgggaacca gtgggtccct cctcagtga taggtgttgg ggtctccctg gctcagtcac 180
gggtggctct tcnagcccag agcactgant cctntctgcg ttcctttctt cngagcacca 240
gngccaatta gggcacaggt gtgtgctgct ttccacctga ctaaggacat acagccttgt 300
ggtggctttt ctcatagccc ctcttttctc ttccagtatg tattcacatg acacaagcag 360
atgcacacac taccaacaca tctgatacag gtattaaata aacatgattt cataacctcc 420
acaggcaagg acaccaatc aacctaataa ccatataaga agaaatgctt gaaagnaaga 480
gttggttctc tctatttcat ttcaaataag cacggccaca ctgttcatcg tctaaaccac 540
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 gcaactggaga gaaaatgccg gtttcggatg cagtccacag aaaccacaat ggggcgacac 120
 agcacatcac agatactctg aagagatgga gacgacacag tgcaggagga ggtgtgtgcc 180
 ccactcccac cccacgagaa ggaaaagggc cccactaagt tatcaggnnn cnnnnnnnag 240
 angnnngnngn cnnnctccca gatcgtttagc cccccaggc ctctcaagaa gtggcagctt 300
 gatgacaggg ctcatgtcct ccatgagtgg ggctctctca gtggggatgc cctgagnatn 360
 ngcctnacag atntcccaca ggcagangct ggaaggctcc ctcagctnag nanatgggnt 420
 ttgnttntcc catcagactg gactntccta catgntaaat actgggtttc tcggagtttg 480
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 tggcttttctt cctcaaacct tggacaaggg tagtgtagac tcctctcaac ccagtgggta 120
 taggacctgg gttccaattc aaaacagcta gagaacaaag cccacagatt ctgaagtgtt 180
 gaaacgttac tgtgttttag tctgacttgg tggt 214

<210> 6642
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 6642
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 tcgcacacca ggagctgatt aaacaaaaga aagatataag catacaatta agctcagccc 120
 agtctcgttg tattcttcta gagaagca 148

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 aagcagactc ttgngaaaaa tccaagttct tgaagccgag agagaaaaga atgtttatta 180
 cctcctggag aaggacaaag aaatacagag actcaaagac cacctaaggt caagatatag 240
 ctctttcttca ttgttcgagc agctggaana gaaancaaag gaatgtgaga agaancagca 300
 gttgctggag tccctatcca aagagacaga tgtcctgaaa aaccagctgt ccgccacgac 360
 gaaaagactt ttggaacttg aaagcaaagc cagtacactc cacctgtcac agagcatgcc 420
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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 ttinnaagaac aaaccanann cnaanncntg agttcaatnt tcggaagcca 420
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 <223> n is a, c, g, or t

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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

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338

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 tgaatggcgc tctctgttgc cttttgtcct tgcaggaaaa gagttcctgg tctgagaaag 120
 aaagtacact aaagcgagca gagaagagag acaaagagct cctaaaggct gagttcctcc 180
 tgggtctacca tgactgcgtg ctccctcttc tgcactcgac actgctgccc cccttttaggt 240
 gggccgagga agagacagag gctgcaagat ggaaagccat tgctgacttc cnnnnnnnga 300
 nccnngnnnn nnnngnnnnc cntgaagnct cngcngtcac cagatggant tnacnaacca 360
 ttngaccttt cggagcagac cttingacttc ttgggtgann tangaaagaa ntcaggntaa 420
 tggcgaccat gntccgattc ccactggacc cagggagntt ncaggnagac ttgcctcaaa 480
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<210> 6647
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 <212> DNA
 <213> Mus musculus

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 tacagtccat ttactgcagc ctggcagggc acagccgcac gctgggtcatg tttctaagac 180
 tgggaacatt cctcaggttc caagcgagag cctccctcag gtaatggtct cacttacatg 240
 caaggacttg cttgacctta ggatcatttc cacacctcaa atccaaatga agctattccc 300
 caccaccttc atgntgaaga agtaaagacc atgggacatt acagggccac atctagaaaa 360
 ttaccacta ttctgtgaac atatggccag ctntcatitt tatgaggttt ttgaatgttt 420
 ttttaacttg attctatata ccttgtctta tcctgtct 458

<210> 6648
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gacagcgttt gaatatgaag atgaagatgg tgataggatt acagtaagaa gcgatgaaga 180

gatgaaggca atgctgtcct actattattc cacantaatg gaacagcaan taaatgncca 240

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 nccttgagga cacagatccc acccatttta caaaccagca cagtacaaca tggcntcttc 180
 caaantcaga ntcttcacag aaaggcttcc ataacaagca gtaaaataat acaaacnaaa 240
 agggatcggc ctcgaaaatg gacttcgtat agcacatatt acttcttata gcacatatta 300
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 ttgc 364

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aggaagggag ggcgaggcct ggtcggcacg gcatgctttg cagggtgacc ttattttattt 180
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 agccatgggg ccaacattgc tgctgtcaac agtgacgggg acctgccttt ggacctggct 180


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gagtcagatg ccatggaggg gctgctgaag gcagagatca ctgccgagg tgtggatgtc 240
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gggggtgcta tnccagaggg caggcacccc cggactgngn cctctgccct gcatgnngct 360
gctnccaagg gctacatcga ggtgatgagg tgagctaggc cagagtgatt gttttgtntn 420
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caagtgcact tgaacatttt aaatctttat ggtgagtaaa ttaaaagaag tttattaata 240
atgtttttta aaattatgcc tgcagaatat ttactttatt atttgattaa atgtattatt 300
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 gctgcaccct cgcttccgca gggagcatga caacctcttc ttcgtgtacc ccatttccttt 180
 gggcaaggcc cttacctgct gcactgtgga ggtgaagact cttgatgacc ggctgctcaa 240
 catccctatc aacgacattg tccaccctaa gtacttcaag attntgccag gtgaggggat 300
 gccactgcct gagaacccca gcaagaaggg agacntnttn ntnttctttg acatccagtt 360
 cccacccgc ctcacacccc agaagaagca gatgctgcgc caggcattgc tgacctaatt 420
 ntgggggacc tgagcaggaa cagggatgga gagggctagc tgggccttgc ctgntcctat 480
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tcaaaagaga atatgtttct tgtctcaaga ggaaaatgaa ctgggaaagt ttcttcgac	120
tcaaggcttc caagacaaaa cccgagcagg aaaaatgatg caagccacgg gcaaggccct	180
ctgcttttcc tcccagcaaa ggttggcctt gagaaaccct ttgtgtcgat ttcaccaaga	240
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gaaagattca agaccatcag gttgtgataa actgtgccat tcctaaaggg ctgaagtaca	180
atcaagctac acagactttc caccaatgga gggatgctag acaggtgtat ggtctcaact	240
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 aggctaggct gccagggctg ggtggccacc ccacgccgca ctcgttgctg gggctctgtgc 180
 ttcgaggaca ccggttccgc aggggacacg acttgccaaa gtgcaaacga ggggtcccgtg 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 tcggncncga caggagtncc 240

tgcgantcac agngctnctg ggcgagnccg ancnccanct gcacctcacc agactggnan 300

nagatancat tcancaaagc tttagcaatg aancaaaggc ccaanccctt cagncccagc 360

agagagnaca ggagctgaca cagaagatac agca 394

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ccctggaaac cgtgatgaga gaacgggaac tttcaacgat taatgctgag aggcgtgctg 180

gcggcgtgcg ccgatcccgg gagcagcgga cacgtagtct ctagtcaggc agcacgtcgg 240

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tggttggttct tgccctcgta acccctctg tccagccacc atgataagcg ccagcagagc 420
cgcgggccg cgctctcgtg gcaccgctgc gtcccagagc cccgcagccg cccgtcccca 480
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 ctgtttgctg gttgacaggn gtgtgacacg nccanctgcc ctttgttntt agtgcacccc 240
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 atgtgggtga tgtgttaagt gaaaaatcat caacttttct aatgaaggca gcaacaaaag 180
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 aacatgaacg ctttgcatta cgcttcgtac tttgatgtcc cagagcttat caggggtgatt 180
 ttgaagacat cgaaaccaa agatgtggat gccacttgca gcgactttta ttttgggaca 240
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 tccgccattt gctgagtgcc gctgaccaat caaaagcgat atctcatctt gggccccccn 180
 acacagagggc ctcatggct atagttcaca gactaagttc gtcgctggag ctgtcagcca 240

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atgatcaaaa cacggagcgt ggaggaagtg ggtactttga gggaattgct gcaagaagcc 300
gtgtgatcga ttaanaggaa aggaaggctg agggtcctaaa cgngctccaa agagacgccc 360
aggctctagg tcggagctgt agagaatggc tcagtcgtta cgagcactgg ctgctcctcc 420
aaaagacccg nnnnnnnnnn ncnnnnnnca nnnnnngntn nncnnnnann nannngnnnn 480
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gaacagtgtt ggctcacgtt ttcagctaac ttcttggaag atacgagggt aaattaccca 180
aantctttca ctcagagaaa aacagggctt acagctacag ttcttgcttc atgaaaacga 240
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 tggagtccac tcagtgttg ccattcatta aactgaagag aggacagctt cctcggtcaa 180
 ataaaatcgt ggttctctgg tcactttagt gattctaaat aacacgaata ttctggtgat 240
 tccttcattt caagtcagt acctagcatg gtgtgagaaa agtaaata gaactgagga 300

tgtingtcat gaaaacagaa tgctctggag gcacatgac tccaaagaat taggacctgt	360
gccactgggt tccatgagna aanacaaga ggtgggggttc caggaagant cntcanntnt	420
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<222> (383)..(383)
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 taaaacacga atttgtttca actgaantaa tacctatgca tccatttcac cttaaaccat 180
 ttatctactt gcccttattn tcctacttgc taaaatgctg tagaagagtc tgtcattgcc 240
 tattaagagn gaaacaatac tatccttntg ttnttcctac cataaatgac agtntcctag 300
 aaaaggagat tcacatcgga agtaaggatt cataaagaca anccaaggaa attaaaaata 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

<400> 6667

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tgtgccatit ttctgctgca ctaaagaccc cgcggaagat gtcatcaaca ctcagtgtgg      180
ctatgatgcc aggcagaaac cagaagttga ccaacagatt gtaatctaca caaaaggctg      240
tgtgccccag tttgagaagt ggctacagga caatttaacc atcgtggctg gtattttcat      300
aggcattgca ttgctacaga tttttgggat atgcctggca cagaatttgg tgagtgcacat      360
tgaagctgtc agggctagct ggtagacccc tgcgaccact gctgtcagac actggactga      420
tccccctca ctgactgacc ctctgtgcmc cggccggctg atggcgggct gtagaggnc      480
ngtnnacagg cntacantnt cacctgatgg agctgccaag aacttaactt tc              532

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<210> 6668

<211> 392

<212> DNA

<213> Mus musculus

<400> 6668

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caggactitg agtctttctg gctaattctg caaggatatg gccatagcaa gaacaaggtt      180
gactatggag aattcaaacg tgccatitit ggtgaaatga atgaatatag gaagtcatit      240
gttcgcaagg ctttcatgca actggatitit aacaaaaccg gcattgtgtc tgtaatagac      300
ataagaaagt gttactgcmc caagaagcat ccacgtgtga tctcagggca ttcaacagag      360
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<210> 6669

<211> 559

<212> DNA

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 ggtaaagtga caaatgtacc taactaatag gctcagccac tccaacctg gtgattaact 180
 ttgccggttt ccttataaaa ataaatagac tctcatcagg gaaaatgaac agcttccata 240
 aatagacctc ctcaccacca ttttaatatc caacatttat taaacatgta aattttaatg 300
 agattcatag tggaatatta accaatccct tagaacaag aggtgacatg gcctttctca 360
 gaaaagtgca cattaaaatg gcagcgttta tttttnccca tgtttcatga gccaatgttc 420
 tattaatctn aaataacaga atttatctga cgactctcat tttagacatt ttgggtgtnt 480
 ctggtgttgc agatgttccc tgatgagttt ctcntcttc ttcntcttgg ctgtttaatc 540
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<210> 6670
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 <223> n is a, c, g, or t

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 cntggactgc ccggacgagg gnctggggccc tcaaggccat cgaggcgctt tcagntaaaa 180
 tggaactaca tgggaaaccg atggaagttg agcactcggt ccctaaacgg cagaggattc 240
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 cctggggggtc tgctggctgc catctccccg caggaggtgg gtgtgctcac cgggccagac 180
 cggcacacnt ttctncagac ggntntgagn gtggcaggcc ncngntgctg cgttatccgt 240
 gantacntnc nggcngaggg tnacggngta ntggatgcgc gcaccaaggg gctagacggg 300
 cntgcaatnt gtgtgggccca cagccacgg 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 gcctcccgggt gtacagccaa tgaccttaag tgcattattc 120
 ggctgatcaa acatgatctg aagatgaact cgggtgcaaa acacgtgt 168

<210> 6673
 <211> 291
 <212> DNA
 <213> Mus musculus

<400> 6673
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 gttgctttca gatttaaaga taaagagaga ccacgaggct atacgtccaa gattgcagga 120
 aagttgcact attatcccct aaatggagtgt ctcacagctg aatatctatt ggaggaattt 180
 agacccgact tgatagacat ggttcttgat aaactcagac cagaaaatgt gcgggtggca 240
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<210> 6674
 <211> 457
 <212> DNA
 <213> Mus musculus

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 gtttatactg ctaaaattag ttacgggag gcattgtgtg gctgctcact taatgtgcca 180
 acaatggacg gaagaaacct acctatgtca gtcactgata ttgtgaaacc tgggatgagg 240
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 ctgatagaat ttgatgtgtc cttcccagac gtcatatctg cagcatccaa agagagcctg 360
 aggaagcatc tccctgcctc ttaggatgag aagaaccttg ctatccatag ttgataaga 420
 cactgaaaat ataaaagtac cggcagttga ctgctgt 457

<210> 6675
 <211> 530
 <212> DNA
 <213> Mus musculus

<400> 6675
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 ttcaagggttt gctttactct gtgttctctt gaagaacaag taaactgcac agagcatggc 120

taccaaactg ggacgcagac atggacacag gccccactg 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 gagtttgca tgggtgtgtt ctttttgtat ccactcatgt gtacacaggg	420
gcttttcttg gacagcctgt tcagagccta ccatacata cagtgttct tttacattca	480
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<210> 6676
 <211> 312
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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cattcctcta gagacacaca ggactcaccg cncctgtgac acctaccttt cttttttctc	180
caactcgtca gagctggcat gtcccagatc tttgccccca tggacgctga gtgacnccga	240
ctccaggatc tccccagcgt ctccagctgg gagtcctaata gcagactttg cagctcatga	300
agaatcccta gg	312

<210> 6677
 <211> 77
 <212> DNA
 <213> Mus musculus

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<210> 6678

<211> 423
 <212> DNA
 <213> Mus musculus

<400> 6678
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 attctccgag ccatcagaga catgcatgtt gcaatctcaa atataagaca tgttttaatt 180
 ctgatgtgaa ttcatgtaaa ataggggtgtt gtatTTTTTT aagattttgc tttgtagctg 240
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 cctcaacctc ttgaatgctg gtatgacatc acgtctgtct tgaaatcctt tagtggcatg 360
 aacaatctgc caaaaaaat ttcccaagct ttccaatagg atctgaaact taacccttag 420
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<210> 6679
 <211> 157
 <212> DNA
 <213> Mus musculus

<400> 6679
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 tgaacctaac actgaggaag gtggaaagac tccattgacg gtggcccaga aaaaagccca 120
 gaacataatg cagtcctttg aaaaccatt tcggatg 157

<210> 6680
 <211> 468
 <212> DNA
 <213> Mus musculus

<400> 6680
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 gaacctaac ctgaggaagg tggaaagact ccattgacgg tggcccagaa aaaagcccag 120
 aacataatgc agtcctttga aaaccattt cggatgttcc tgccttctct ggaacacaag 180
 gccacatct ctcaagcagc aaagtttgat cttcttcga aaatctatga aagccctggt 240
 ttggtcccca gcacaacgta aagctggcgt ggagatgcac acctgtgagc tcagcacttg 300
 ggaggagaca gcagaggacc cgaagctcaa aggcgtcttc agccacacag tgtattctag 360
 ataacggggg gtctaagagg ccctgccttt taaaaaaaa aaagaaaaga aaaagaaaga 420
 gaaagaaaaa gcagcaagca gcctgctctg ctctgcttca cagagta 468

<210> 6681
 <211> 539
 <212> DNA
 <213> Mus musculus

<400> 6681
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 gctggggata cccaggtcct gcctgctagt cggaatgagg ctgcactgcc agagctcctg 180
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 cgaagagcaa caagaggctt cctccgggcc cctagttcag acctggacac tgatgctgaa 360
 ggagatgatt ttgaacttct ggaccaatca gagctgaatc agctagacct tgccagttct 420
 aggagccact gagagactcc tttgaggggg gtcactgtgc tgtaggttat tttcctccac 480
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<210> 6682
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 <212> DNA
 <213> Mus musculus

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 ccagaggacc cacgtttggt tcccagcacc cacatcaggt ggttcacaat cacttataac 180
 tccagctcca tggggacctg atgcctctgg cttccacagg attttcacct tgtacagtaa 240
 gtccctgccc ttggacttgg cctgccgcat ctgggacgta ttctgtcgag atggagagga 300
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<210> 6683
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 <212> DNA
 <213> Mus musculus

<400> 6683

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 tacg 124

<210> 6684
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 6684
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 gattttcact ttgtctttt tcatgtatgt taatgtggaa ttggggatta gaagccatgt 180
 tagttgaagg ctcttgttta caatttcctt ttgtgggtctt cattagcatg aagtcataat 240
 aaattcctga caatacgaag gttcttg 267

<210> 6685
 <211> 96
 <212> DNA
 <213> Mus musculus

<400> 6685
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 gttcattggg gctaatagaag acaccggaca ttttaa 96

<210> 6686
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 6686
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 aag 123

<210> 6687
 <211> 273
 <212> DNA
 <213> Mus musculus

<400> 6687
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 gcgacaaaca gcccaattgga agacttcttt ttagacaatt ctgtgatata aaaccagatc 120

taaaaagggtg cattgaattc ttggatgcag tggcagagta cgaagttacc attgaagagg	180
aacaaagaga atttggacta gccatcttca gtagattctt caaagagaag tcagaagtcc	240
ccttaccaga gatacctcca gatattgtga aag	273

<210> 6688
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 <212> DNA
 <213> Mus musculus

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gatggtggca tccatcagcc acaatgagag tgtggtgcag gtcctgcttg ctgctggagc	180
tgacccaaac cttgggggatg 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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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
gtgggaggggt 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

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 gtatcatttc actgtgttcc ctcaccttag ggctacatcc tggacatgga ggtaaaggca 180
 ttatcagacc ctgggagaaa tagtgagtgg tgggtgattta gggacaaaac aaacctcaca 240
 ttggttcaag agccccctgc tgtaacaaat ccgggatggg gagtcagata gagtacagga 300
 aataggagaa aaggcggggg cagagcgagg ccgtgggggg ccggcctgag gcagcctgca 360
 acagagaaga gacaggaaat cagggttgtg gaaacaaccc cttttttctg 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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 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
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 tctcagctgt gcaccctgag aagatgcgcc ttgtcttact aaacgtgtac aaggtattaa 180
 aaccaggcag aagtgtctta ttccgtgact acgggctgaa tgatcacgcc atgcttagat 240

ttaaagctgg aagcaaactt ggagaaaatt tttatgtcag gcaagatgga accagatcgt	300
atTTTTTTac 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

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gtaaaaatgg agttgtggag ttgatgttta aaatcattgg gccattcagt aagaagaatt	180
cgggtctcat gaaggttgct ttagacactc ttgctgcatt gctaaaatca aagacaaacg	240
ccaggagagc ggtggacaga gggtagcttc aagtgttct aaccatctat gtagattggc	300
accggcatga taatcggcat agaaacatgc tcattcggaa ggggattcta cagagcttaa	360
aaagtgtcac gaacatcaag ttgggcagaa aagcatttat tgatgcgaat gggatgaaaa	420
ttctgtataa cacttctcaa gagtgtttgg cggtcaggac tcttgatcct cttgtcaaca	480
catccagtct gataatgaga aaatgcttcc ccaaaaaccg	520

<210> 6694
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 6694	
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aatgaaatgg aggtggagct gcctgtgcct acaaactctc gcaagcagtt tgccattccc	120
a	121

<210> 6695
 <211> 381
 <212> DNA
 <213> Mus musculus

<400> 6695	
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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	gtgattatit	tatttcatca	tctcacaaca	catatttgat	atccgatcaa	360
atattgggac	cgagtgcacat	t				381

<210> 6696
 <211> 481
 <212> DNA
 <213> Mus musculus

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ctccatgcgc	cgctccacag
	60
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cgtctgctca	gccccacag
	120
ccccagggct	gccacctggg
ctggacagca	ccgccccagc
cagaacctcg	agctcctgtc
	180
gcaccgaaga	gaaggtgtct
ctcaggagac	gggtgatgtg
actttgtctt	gccgaaggtg
	240
tcttatagct	ggtcacctgc
aacaggaaca	ctgaaagtga
gctggagagc	agtagacagt
	300
ggaatataga	aaaggggctc
tgccagtgcc	ttgccacccc
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	
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gacgtcatgt	ctgatgagac
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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 ataccagaa gttgaagcct ggggtagaat 120
 aggggtggca gtgttgacc ttccttcat gctggctgtt tcttgatact ctgctgcctg 180
 gtccagttta acaccaatg acatcaggac ccaatgcagc tcctacctac cccaagactg 240
 gacaggctta tctacacagc agaccaatgt gatgactcct ggctatggct gcagctctgc 300
 aggacttgag gagcaagaag tcatggagtc agtgggctct tgttgagtt 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 attttcccca aagacacagc cagtcttggg gcaattagcg 120
 acagcgcaag cactcgtgct atggccggtt ccataatcag ttctacaac 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 ggctgcgct caatctcaag gagcaacaga tgatcaccca gatcttctcc 300
 ttcaaccttc ctcccccttca tcttggttaac 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 aaaacttggg 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 ctcgtagggtg tcctggcgct cgtagtccac ctgcccagcc aaggtgaggg 120
 ggccagagcg cgggtcgagc cggaagaggt ggcgggcttc gggaggggtg cgggcgccga 180
 aggtgaacac aacgtcgccg ttgggacctt cgtcgggata ggcagcgtcc aggtcgagca 240
 gcagcgatcc cacagggcct ctctggaagc aacactcgcc ctgttccaga agaacaaaat 300
 cacagcgtga cgttgaaacc tggcaggaac ctggggtaac ttagccatct gcctatgaaa 360

ccgtagaact tcagcattac cactttccct ggctggggtc ctcgagatgc ctccgtaggt 420
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 attcttattg attcttaccg aaggactcta ttga 514

<210> 6704
 <211> 475
 <212> DNA
 <213> Mus musculus

<400> 6704
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 gatcggaggg ctcatacaga caggggatat tattcggttg accagagggg atgcatcaat 180
 gtggaaagga tgcctgacac ttatactgg aagaggtggt gaacttcaaa aaattggaga 240
 attttgtatg gtgtattcag aagtgccaaa tticagttag ccaaaccag 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> (416)..(416)
 <223> n is a, c, g, or t

<400> 6705

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taagtcccg ccaagttcccc ttaaaagggtg gaaaacaact tcagagtctg actccattaa      180
acacagctcg tccccaaagc cttggaatgt ccgctcctca cgtgacacct cacaacccat      240
ccttagactc cagaaggctg gatgagcnca ggggaanttaa ggtggaaagg agcaagacta      300
gttgggatgc agtagactgc aggccacttc tatatgacta ttctgacgac ctgctatatg      360
actattattc cagaactttc tagaccaaag acatgggtag ttaagtgctt agntanaagt      420
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<210> 6706

<211> 135

<212> DNA

<213> Mus musculus

<400> 6706

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<212> DNA

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<223> n is a, c, g, or t

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 ggggagaagg aagagcagga ggaggtccta ccagaagagg ctaaagggga ggaggaggag 180

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taagtggggg agataaagcc aataagtagc cgagcctctc acagccctga gaatgagtnt 360
ncaggangca gaagctgtgg gaanctgcca ntntnagtgg gcaagggagg aaggancnt 420
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<211> 383
<212> DNA
<213> Mus musculus

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caccgcagct cggaagagac cttttgcggt gtacagatcg acctcaacag tgggattccc 240
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 tgttctctgg gttcctatct ttggtggtgt taagtgaagg aagaagtgtt ccctctaatt 180
 tctccctgtc ccagtatata acctgctatc ttggggcagc ttttgatgtc tgacatgtca 240
 cccttcccaa gttggtctct tcnacnact nctgtcttc acngtggcac cctcttacca 300
 caaccctaac tctgntcatt tgncccttc tcttntcatc tctgtacact actaatattc 360
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<223> n is a, c, g, or t

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tttancctag atctnaccat tttcatantc tnacctgaaa gattcacaga agtntcaagt 120

gctatgcatt gaaacttggt ttttaaacat tacctggcac tgtgtatatt aatgtaaaac 180

aatgttaatt taccagatt ttcagtttgt actgcctgggt atgtctgtgt aagaanccaa 240

tttttgtgta ttgtttacag tttcaagtta tttatatattg atgttttgta aactcaaaca 300

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<211> 134
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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cagncactgt nnggggggagc catgatggna tccaccaca tttatnacat gtccacggtt 180

atgagccgga agggcccagc ccctgaattg ncaaggtgtg gaagtagcgc tggcgccctga 240

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<211> 534

<212> DNA

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<223> n is a, c, g, or t

<400> 6713

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ctgccaccta ttggcccttg aactggcgca ncaaactatg cacctgtcaa gactgtatga      180
aaatgtatgg agaactagac gtcctgttcc tgacagatga atgtgataca gttctggcctt      240
atgagaacaa aggcaagaac gaccaggcaa ctgatagaag ggacccttta atggacaccc      300
ttagcagnat gaatagagtc cagcaagtgg agntcatctg tgaatacaat gacttgaaga      360
ctgaacttaa ggactacctg aagagatttg ctgatgaagg cacggttggtt aagagagaag      420
acattcagca gttctttgaa gagtttcaat caaaaaagag aaggcgagtg gacgggttac      480
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<210> 6714
<211> 241
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<213> Mus musculus

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<223> n is a, c, g, or t

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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 gaggccttcc atgtacggtg ttgacctgca ccatgccaa gactctgaag 240

gtgtggacat caagctgggt gtgtgtgccca atggccttct catttacaaa gacagactaa 300

ggatcaatcg ttttgcttgg ccgaagatgt 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
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 aaggttaaga tgtccctgac ctagggagtc agtcacgacc tcccaggaga cgctatgttg 120
 aactattgga atggaacctt taaaagcaat gacgggtgtg aatacttccc aagcactgag 180
 tcactgtgtg acgcacgaac caaagcatcg accagtgtca cagccccctc tcattggatac 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

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 <223> n is a, c, g, or t

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 atagaaacca gtgtctggca cccagagct cactggggca ggggtgtggg tctgcagggg 120
 tgtgggtctt ctgtncact gcatgaagcc tggccctggg ctgtccctcc ccaggttntg 180
 ggggtgtctg agctaggctc agccccaccc tccctgtaca acgcccata cattgggaca 240
 ctctttcctg ccttcctcac atgtgggtat ctgtacttc tccatcttcg gaatgctgcc 300
 aggacacttg tgagcctccc ttttcactt 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

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<210> 6719

<211> 203

<212> DNA

<213> Mus musculus

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 ttaatgattt tgaagnacct ttttgatgat gatgatntcc agtgaggccg cccgntccta 120
 tgtgntccat ntntgtgatg tntntggant ntntncggga caccgaccagc tgattgtaga 180
 caccgtgttg atatcactag aaa 203

<210> 6720
 <211> 148
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 <222> (80)..(81)
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 aattgacctg tccatgatan nccttaagtt tgaacattag ctgaccttct gtgttaaaca 120
 tgggtctaatt ttatttactg tttcattt 148

<210> 6721
 <211> 278
 <212> DNA
 <213> Mus musculus

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 caaagcagca ccaaggaaac gtntccccng atcaccaccc ctnttaagca ttcccatttg 120
 ctgatgaann tntgggccag ttcataagcaa agttgtactt ggaagacttc aacctttaaa 180
 gaagactggt ggaattgacc tgtccatgat annccctaag 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
 <211> 505
 <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> (316)..(319)

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<222> (467)..(467)

<223> n is a, c, g, or t

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gagcaagagt ccacgacgcc atcggagcag gtctagagac agacgacaca ggtcccgtc 120

taaatcccca ggtcaccacc gtagtcacag acatagaagc cactcaaagt ctcttgaaag 180

gtctaagaaa agccacaaga agagccggag gggaaatgag taatggatgc atcttgactt 240

tgggtccaaat gacctctgt ggctatgaga gcatctgttt aagtggaatg atcaagatnt 300

cctcttcagg cagctnnnna gtattttggg tttttcaaaa tcaacttctt cttttgttgg 360

gttttgtttt tattttaata ttacagaggt gctaagtttt gtatntcttt ggattataac 420

caacagcttt gaagagtgtt ttgaccaaa tcaagggtcaa gttttgncct aaccactat 480

ggttattcat acttagcagg gtcaa 505

<210> 6724

<211> 201

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

<400> 6724

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gatgaatggg cttcgagtga atgtggcagt taaacatacc ttcatttttt ggacttgcac      120
atttagctgt ttggaacaga gttgtttcct ttctgaattt caaagataag actgctgcag      180
tcccatcgca atatccagtg g                                     201
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<210> 6725

<211> 87

<212> DNA

<213> Mus musculus

<400> 6725

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cagcaggcaa aaatgaccc tgaatat                                     87
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<210> 6726

<211> 380

<212> DNA

<213> Mus musculus

<400> 6726

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cgacttctct gttcacaaat attttctgt tgtgaaactg gtttgaaaga gactgcaaag      180
atgaccgtgt ccactctagg gaagacatca gtctgccaca catggtgaca gaaagtggat      240
ctcttgaatg acagacagct tgctacaagg aagacttttc agtttaccac ctttacctag      300
agaggatgag aactgctgtt ttaaagtggg ttattgtact ccatggggta actgggctgg      360
aatgcattgg tgaacgctac                                     380
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<212> DNA

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ncttctact atnttnttga aacaggancc tcagagacaa catctgncct gcttaggaac 120

ctggnnttctt taccataacc tccggattat gatccagtat ctgctcagtg gctttgagct 180
 ggagctgtac agcatgcatg agtactacta cat 213

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 <211> 256
 <212> DNA
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 aagctaggta ctggggtttgg attaggaatt gttttctccc tcaccttctt taagagaaga 120
 atgtggccat tagccttttg ttctggcgtg ggattgggaa tggcctactc caactgtcag 180
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 ctgagaacat cccagc 256

<210> 6729
 <211> 310
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 <213> Mus musculus

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 taaagaaatt tatcgaacaa tgaacattag tccagagcag cccagcatt 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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 acaatacaca gtcagaaaat gaaaaaggcc aaagagcaga gacgcctgca caacaaggag 180
 catgtgaaga tgaagca 197

<210> 6731
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 <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 ctttctcgga 180
 gttcctcgac gcagcaggTc ttctatcaga aatcaccgat ccagagagct tcctaaagga 240
 cctgttgaac tcagtcccct gaccatcccc atggaaatga gattgaagct agcttgcatt 300
 ctccccctcat tcctctctcc gtgtgcactc atttccccca cggatgctgc attagcacc 360
 cctcctccct cagttttctc ggagtggttt ggggtctgta ggcttcctgt tctatcacgt 420
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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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 cgagttagac cctcacatcc tggctgtgtt ccagcaattc tgtgctctgc aggcctaaca 180
 ctcgcgtttc ttcctttttt attatcttga aataacttgt cttatTTTTg atggtttgaa 240
 tgtttgcttt cttgtagtag cttttcactt cctgatggaa atgggggagg agagtgagga 300
 atatgacgtg acccttagtt ncccntgcag gncaagtgtg gcttgctaac agcgatgtta 360
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<210> 6733
 <211> 441
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<400> 6733

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aatgcacttc agagccaaag atgacgagga tgacgctgag gggtagagct gcggg'gcct      180
tgcagccggt gtcaagattc tgtatggcat ctttcagaga acacgctctg agaacaaggt      240
ggacatcagt gtcactggct ggcacagacg cccaggcgca ccatgctggc acagggggct      300
gggcagtgga aaacaaggaa aantcctgag agctttggct gtggtaacag gcttactttc      360
catgccagac tgatcaccgg ggatgaattn tgctggaagg antcctgttt ctgagtggcg      420
ctaaccattt gacctggtag t                                         441

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 <223> n is a, c, g, or t

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 ctcttactcc cagttttgtg taggtggaca cgttcatgta ttgatgtat caatttaact 180
 caactgattt cagaaaaaaa aattctgtat tagaacaaga tctctagcct gaaacggaat 240
 gctgaatttg tacagattac acatagaaag tagtttgctt aactgangtg ttatttagaa 300
 catatttcag natnntncaa agggtnnggg gcttntntcc atcaccagga acattctggc 360
 nagaaaantc tgtgctggac tgatttatca cagggtgtagt gggactgaga acaagcagac 420
 aaggttttcc tcatataggg agctagggat gttntcata gtgttncaat gtttccctta 480
 ntctagtgtg gaatatgtan ccacttggtt tgaattgctt gcacatg 527

<210> 6750
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (257)..(257)
 <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> (332)..(332)
 <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> (389)..(389)
 <223> n is a, c, g, or t

<400> 6750
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 aaaagctcgc aaaccttgtc agcctggatc cacgtcttat tcaaaacgtg tcgcatcat 120
 tcacagctta agatgtacgg gattcgcgcg tgagaaggga gagagaagcg ccggtttgcc 180
 gacgccaccc cctctcatca gggctggcgc ggcgagtggc agctccttag gtcacggcctt 240
 ccgccggcgc cagtggncct agntcccntg cggctgtcct tggtcgcctt gtcaccaggc 300
 tgaagcagtc aagatgacct tatttcagct tntacgtgag cactgggttc atatacttnt 360
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 cttc 424

<210> 6751
 <211> 374
 <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> (136)..(136)
 <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 aatgttttagc 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

<220>
 <221> misc_feature
 <222> (298)..(298)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(321)
 <223> n is a, c, g, or t

<400> 6752
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 ccgactagaa aagctgttcc tttgtggtag tttgtctcta gcttgagcaa ccacttcct 120
 ttgggtgtgca ctggaagagg gaaattttga agtactatcc cagaaagtgt tgactaacac 180
 cagtatttgg aataaataca ggagcacagc atagcgccat acgttacttt atagttacat 240
 acacctatag tgtgcacaaa gcattgggtcc tgggtgggtcg gttgtgtatt taccctcncc 300
 cacaagggga aagtctgtcg ncctttaatt tctgtgagaa aggtgacatc taagatatgt 360
 gttacagaaa taccagcttt tgctcagaaa caactttggg ggagataacg atgacaggtg 420
 acctcaa 427

<210> 6753
 <211> 524
 <212> DNA
 <213> Mus musculus

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 <222> (279)..(279)
 <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> (320)..(320)
 <223> n is a, c, g, or t

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<221> misc_feature
 <222> (327)..(329)
 <223> n is a, c, g, or t

<400> 6753
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 aggttatcta tcgtgtggca gggctggcca gcaccgttgg gtctcacctg gcatgagatc 120
 tgaagctaaa gccctgggac tgtggagcca ttgggcttgg tttggtattg acagggtcac 180
 cctgaggggt tagcagtggc agagagcaag gcaagtgatc tctccagcta cctgccagca 240
 gtagagagag agagagagag tgctgagggc tggtagtgtc ctctgggcta gggcttcacc 300
 tttcggtttt ttgttttttn ttttttnnc tgggtccctga gtctggcatt tctgtctgtg 360
 acttagctat gtttctgatg ccaatcacac tagcaccatt acatgctggg caggtgctgg 420
 gcagcacaga cgctggagac ctgtttgcc a ctgcttgtcc cccattcatc tttgtctaca 480
 aagttaatta cgttctcatg ttctggcatc cacataattc ttgt 524

<210> 6754
 <211> 527
 <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> (446)..(446)
 <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> (499)..(499)
 <223> n is a, c, g, or t

<400> 6754
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 caaagctagc ccatgagtag tacgttttca gaggtctaca gtaagaaccc tgagcgtcct 120
 tacacatagt tcagtgggtg agcatcctgt aaggcagggg taggtaactc aatgcagtaa 180

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ttaaatttttg gaaggaaaaa aaaaagccta atccattact gtctttttga ctgtatagct 240
tagattctct acacctattc ctttccagtt ggctttatctt accttttagct atcttgatac 300
tttcttggcc aaatatcctg gactcagtga tcattgtgac acaatgtggt gtaagacaaa 360
gtggcttctt gctatgtaac tgctagcatt cacactaggt aacctccctt ancctcctac 420
cactgaggtg gtgggttttag atggtnctgt agtgcctttg attaacttaa gtatttagct 480
ttcatcttcc ttagatntnc tttgtcctcc caattgaaca cttttct 527

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<210> 6755
<211> 221
<212> DNA
<213> Mus musculus

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<400> 6755
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gctcttacag attgaacctt ttacatttc tgaaaatagc agaaagagca tatttgactt 120
gtcctagctg taagtggttg gttcttgttg ctgccgggcc cctggatgcc agcagggtgt 180
gcatccgccc gtgtgcaact gtctccagtg cttccaaggg t 221

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<210> 6756
<211> 416
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (362)..(362)

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (375)..(375)

<223> n is a, c, g, or t

<400> 6756

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acagtatgtg gcttgtggtt ctaagagtgg agtggtaaac atatacaatc aagattcctg     120
cctccagcaa acaaacccaa agccaataaa agcaataatg aatctgggta ctgggtgttac     180
ttccttggcc tttaatccta ccacagaaat cttggcagtg gcttcaagaa aaatgaaaga     240
agctgtcaga ttggttcata ttccttcctg tacagtatTTT tntaactttt ccagtttttn     300
aanaagagta ctcttttctc gtgttcaaac catggatTTT tctccagag gtggatactt     360
tnccttaggg aatgnaaagg gcagggccct gatgtatagg ttgcatcatt actcag         416
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<210> 6757

<211> 326

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (301)..(301)

<223> n is a, c, g, or t

<400> 6757

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atggctacgc cggtacatca agtggcctct gcttccgcct aagaatatta aagacctcat      60
ggatcttgaa gctgtccatg acgtctttga tctttacctg tggctaagct accgatttat     120
tgatatgttt ccagactcta gccttggtcg aagtctccag aaagagctgg atgccattat     180
ccaagaaggc gtgcacaaca tcaccaagct gattaaaatc tctgagtcac gcaagctttt     240
gaatctggag agcttaccat cgggggacca gtcacggttg tcaggagcct ccaagagccc     300
nagcgagaag gacacgtggc accaaa                                           326
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<210> 6758

<211> 464

<212> DNA

<213> Mus musculus

<400> 6758

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aacttcacac cccatttata tgctgttgag aaccagctct ccaggagacc agaggccccc      60
actcccagtc tctctcagct aagctctcta agctggcctg gggtctgagc tacatggaag     120
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gcagagttct caagcccttg ttttatagtt tccccgaaa ccccttgtaa gggctctgaga 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 ttctcagggga 420
ctttgcctca gtttcccctt gtgatctttc tgtggggttag ccca 464

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<210> 6759
<211> 425
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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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 ctaagacttn gacacctgtg caggcaccat acacattaag gcttcaatac ctgtgcaggc 180
 accatataca ctaagacttc agcccccngc cccccccnn agttggtatt ggttccccta 240
 gtttatttnt agtacttgaa ctcagcctaa ctataaagcc ttgctggga 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 caatcccagag gcccgctcga tgctctcgat gggcaccagg 180
 aaccgctcca gagggatggt ctcattcacg 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 aaggggggnt ggtgatgact cattaaataa 120
 gttggtattg ctgctgtcct gtcccattca cccgatgcag aggactcggg aatgggctaa 180
 taacacaccc ggcaggtgaa tgcaaccag gagctaaaca gtggttgtgg ccacagtcgc 240
 ctgtgaatgt gagtttcaga acagacacaa agccttaact tagattttct gttgttttgg 300
 actcgtccac tg 312

<210> 6763
 <211> 414
 <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> (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 gttttatggg aataagtaat aaaaaatgta gacttcgtat 180
 tttgtacaaa atgtcctatg tacagaatan naaaanagt tcatagaaac agcnaaaata 240
 ggttaagtgg cnacagttat ttttctttag aaaatatctg taactttatg ctttagtgna 300
 acgttaagta ccaacatatt ttttaacatt ttgtaattca aaactttttt 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 cagtaaacctc agccccttgg cctagtgcag cctgcagctg 180
 cctgtggcct gactgcgggc cgcactgtgt gggcgccctc agtgagcctt tctttctggt 240
 ggaaaaagca catgtcacca agctcgcgag gaaaggcgcg gtgcccgcgt tcgcaccagt 300
 ctccacatgc tgctccggcc ttacagaat tcttgcattg attagcttc tgttttagat 360
 gggatagcac gaggagatac atccttaaac ttagtgcttt gtcttcttgt cctctcaggg 420
 tggccagtat tttgacttat ttatcctgct caaaagctgc ttgaaatgtg tgctgctctc 480

tgaacagtgg cgagctcttct 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
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 cacctggtga ttgccantgt nccagctccc taatgatgat ngctcagttt gatgcatccc 120
 attatgacag tgaaaaagga gaatttggag gttttggttc tgtcag 166

<210> 6766
 <211> 116
 <212> DNA
 <213> Mus musculus

<400> 6766
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 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>
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<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> (169)..(184)

<223> n is a, c, g, or t

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<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 acttactgg gagtgacatc 240

tttaataaga acatgagagc gcacgccctg gaaaagggtc tcacaatcaa tgagtacacc 300

atccgcccc tgggggtcac tggagtcgct ggggagcccc ttcctgtgga cagtgagcag 360

gacatttttg attaccatcca gtggcgctac cgggagccca aggatagaag tgaatgatgc 420

cctgccagcc ccaggcacag cccactagga gtcctaattt atttcttaac ctttgctatg 480

taagggtttt tgggtgttctt aagcgattgc ttnttctctg tgcttaccat gtactata 538

<210> 6768

<211> 117

<212> DNA

<213> Mus musculus

<400> 6768

tgttagttaa tcctgtttgt gtaaagcgaa tgattgttta ctagctagga accttaagtg 60

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 cactcaaca gatccaagct      120
caaccgcagg aagaagggtga agctccaggg gcagtttaaa ggtctggtga aagccacca      180
gcgggggatcc caggcgggac acaaactccn cagaaaggat cggcggcggc cctgaatccc      240
tctggggaat ggagctgttc tctgctgtgg tccaggggccc ctttctaact cccatgatgt      300
ttaacaccaa ctccaggtgt gagccttgct aaacctggac agagaatgac tcattggaag      360
caggactcat ttctaagaga gatagatgcc taggattttg gaaactattg tcctttggag      420
acattgccaa c                                                    431
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<210> 6770

<211> 414

<212> DNA

<213> Mus musculus

<400> 6770

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aatgcaattg cgaaccagct acggtaccca aacagccaca ctactactt cagctgcaca      60
atgttgtacc tttttgctga ggcgaacact gaggcaatcc aggaacagat cacaagggtt      120
ctcttggaac ggttgattgt aaataggcca catccttggg gtcttcttat caccttcatt      180
gagctgatta aaaaccagc atttaagttc tggaaccatg aatttgtaca ctgtgccccca      240
gagattgaaa agttatttca gtctgttgca cagtgtgca tgggacagaa gcaggctcag      300
caagtgatgg aggggaccgg tgccagttag atgaactgtg tatatccctt gcagatgcac      360
cagccttggt ccgctgaacc aagttcataa actgaagatt cctcctgact ttcc          414
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<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
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ggttctttga tatgcaaatt aatattttca gttgatttta tttnatattc ctnatggggg 180

gttaaancg ttttttatnt ttttctanat naaaagagaa cccatgcttt tatggacacn 240

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nttccaggtg tctaaatctc cagtctntct gttgtactgg taatttaact ctgtaatgga 360

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 aagtgggaca ttctttntgt atttatTTTt cTccccaga ancnnnggggn tgggtgggtg 360
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<400> 6774
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<210> 6775
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 <212> DNA
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 tggttactca atattttattt ctaaggagag gccacagact tccctcntct tgcacactac 420
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 ctgcgtatag ctttctgttg gcaaattttc tcaaaagcac tctctttaat cagattaact 180
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 tttctaaata acaatattgt ctacacattc atgacacatt tccttctaaa ggttcaaagt 300
 caagtgttct cagaagcaaa ctgtgccagt ttgatcagta cccttatcac aaacctgata 360
 aatcagtatc aaaacctaca atctgatttc accaaccgag ttgaaatttc aaaagcaagt 420
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 ctttccatgt atataccggc ctctgttttt tttttttcca atctctggct cttctgtcat 240
 cttccaagca gcgtctgaga gctctgcacg ggcacagatg ctgggtacct cttatgggtg 300
 tggcagtatt acacgaaaca tgtttatttt aatggggaaa ggggtcatgt atgctcaaag 360
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226

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 ttgtgagttc tctcagcagt tcctggattc ccctgccaaag gcactggcca aatctgaaga 180
 agattacctg gtcattgatca ttgtccgtgc aannaannct ggtgaacagc ggatgaagat 240
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 gggcctctga tggaagaaaag ctaatctggt tagtatatttg tgcattttac taaaatggca 360
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 cctctttgct ttgtgctgtg tacacaagat ttctggaaaa gtaaagaaaa acccttttta 480
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<213> Mus musculus

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 tttatttttg gctgatctag tagccttccc agtcctcttc tgatttgtga agctgagaat 240
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 ttttinctgna tgtggacatn tatttcagga cttncngtca ttgaaatggn aaacacnaac 360
 tattcttctc ataaaatttc ttgcttcagt tgattcaagt ttgatttttc aagatgcaca 420
 cccctagatt ccngactaat ttagttcttt tgttcagtta atttgggagt ttaagtgggt 480
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 <213> Mus musculus

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 <211> 455
 <212> DNA
 <213> Mus musculus

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tggccaagag actgttgaag aagcgtggat gtgcatagga gagcaccccc cccacctgca 360
tgtacttagt gcctcctctg tgtcccatgg tgatagcttg cttgctgaat gctgtgactc 420
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ggtcaccttg ctttcctgtg ttcaagccac ctgccatccc ccctngtcca tcctcctgtc 420
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<212> DNA

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 tgaaggatat cataatacca acatgtctgc aaagtgggtg gtctagagtc agcactgagc 240
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 tgatgatccc agattgccag cgtcggttag aggctgcata tactgatctt cagcagatat 180
 tagaaagtga aaaagacttg gaagaanccg aggagtataa agaancccggt gtagtgctgg 240
 attccntaaa gctagaancn ngacattttt nctgtatgg gatgtttttt tgcattaant 300
 nctgggntcc attntacaat tcattgtttt canccactgc tgtgtttaat aatatgaaaa 360
 cgtggttctt tttatgcagt tgca 384

<210> 6794
 <211> 485
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (375)..(375)
 <223> n is a, c, g, or t

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 tatacacggg ctctgggctt ctttcttgat ctgacatggt gcatctggag acatctgaag 180
 gagtccaaat accttttgaa gcaaagtcag atgtaaagtc tgggggggctt ctgtcttcag 240
 ttcccttttg tactgctgcg ctgcatagga ctgtccatct gaatgaagag tgcacgctgt 300
 tccccgatg ccacgttgct gccttcagcc tctcccagga acctgtccc aagtgtccag 360
 aatgcagtgc tgccnatcat ttgatatgt aactttcaaa tccagtctca tgcaatacaa 420
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<210> 6796
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 ngtgcgagat gaacagtggg cagaagaatg aggagaagan tntnggaaca caacaagaaa 120
 cgntttngnc cttcantcct gncgcctgt ntntngcncc agccaaggtg gggctgcagt 180

tgaaatgtgc agttgtgtgg tttggttact gcacagctga ggagtgaagg tggctggcaa 240
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<210> 6797
 <211> 281
 <212> DNA
 <213> Mus musculus

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 gaccattgaa tgaattgtat ttctactgtt ttcccgagat gtcagtattt tgcattgctg 120
 tgtgtgcaca ctttacacag aagcacagcc ctgtgattct tacatggaaa catgggtgaaa 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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 <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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 ttaatgatgt agaactgcc aataatgttaa atatctgctg ctttgaaagc cagtgggtggt 180
 ggtcagtaaa gcagatgatt tgtgtctctg tgtctggcca cactgccaaag tgaagctggg 240
 gtaagtggct gtcagaaact tcaggctctg cttggaaaac ttggtaccac aaatgggtgt 300
 caaagggtcat gtgtaacaaa gtagtaatta tccctnccgt gtgaccttga gctgaccctg 360
 aataatcanc cttttacctt gtctgatatt gtcctttcc 399

<210> 6799
 <211> 79
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<213> Mus musculus

<400> 6799

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<211> 231

<212> DNA

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ngcgatccaa catggaaggt gtatantcca gctggacaag aaaggagacg tcatttcaac      180
gattntgtgg cagagtggag gaggctatac tgatttatga tagactatca a                231

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<210> 6801
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<213> Mus musculus

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<223> n is a, c, g, or t

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ttcttgctga agctgcagaa cttgaacccc ctttgggaaa tatgttggac tttttctttc      180
caacaaagcc tacacaggtg ctacgggtgt ttggccttgc tgcgatcagc attctagtcc      240
tgggatttct gcctatgtgc tgctgctcca tgtgctggag gaggaagagg atgnacagga      300
tgttgaaggt tttgaagaaa cagaaatcaa aaggggaagaa gcctaaagga aggaaggcgt      360
cagaagagag agctttactg tccattgaa                                          390

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<210> 6802
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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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<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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<220>
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 <223> n is a, c, g, or t

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 cccagaagt cacaccatgc tgggtggtgaa taagtgaggg ctgatttcca gtgtgtgccca 120
 agaagtaaca tgattgaggt aggtgaacct agagataaaa gagttcttat gatttagtat 180
 tgaaaaaatt ctggtttttac gatgttgcac ttgattcttt tcacttgaaa agtcatgttt 240
 taaagctgta aattgcctat gtctaaggat ttagtaaaat gtcagagatc aatctataag 300
 aaaattcaaa cattgttttt atatcttagt agtatgtcat tatttttagac ctcaaatcc 360
 ctaatttaac catttcggca agtncctttg acacntacgg agtattatgg gagatganc 420
 aaatgtagtn ccacaccccg tttcccggt tctcaatgcc tcgtgatggt atatgtttaa 480
 cagtgtgca cagttcagtt ctttgtgttc atacgagatt 520

<210> 6803
 <211> 437
 <212> DNA
 <213> Mus musculus

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 ccagggtcgt cctgaaancca cccaccatc tcttcagtta cctcctctgg ccagaaggtc 180
 acaccactgt cctccagagc cactctgggg ccatactgg ctgtctggaa gcctaaagca 240
 gcagcctgca gccagagccg agggttctag ggacttgtcc ataggaaggg gtggcactat 300
 gtataccctc agtgagtccc tttgctgcag cctcctgaac cagttcatga cactgagtgc 360
 aaaagggtatt ggatacctat ccctccccag ggcttcacaa gacatgtctc catgaataga 420
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<210> 6804
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<212> DNA
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 <223> n is a, c, g, or t

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<400> 6804
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 cctttgtacc aagagactga tacttaggcc caggaaataa atgctg 106

<210> 6805
 <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> 6805
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 gttttttggt cttttgtttt tttttgtttt tgttttgttt tgttttgttt tgttttgttt 120
 tgtttttttc tctcatattg agaccactag atgagactag agttctaact ggtctactct 180

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ggtgtaggta gattgttctg agccctctac ccaggttctc actgggttgct gctgggctcc 240
tgactattgt gtgttactta taaactgtct aaaatgcacc tttgtgccgg agaacaagtt 300
gtatTTTgtt tTTaattata acgagccagt tttctaagct ttgtctacta aaacaaaata 360
aaaacattat agtctgattt tcacnaaagt atnccaactc cTTTTTTTTg tgagnatata 420
tnccattcct ttgactTTTg taacattTTT aaaaatccat gatatagtat agcttccagg 480
TTTTtcagct cttgtatgcc cattggTTag taagtctgaa cacactatta tgtatccatc 540
caatctcaac tgaa 554

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<210> 6806
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<212> DNA
<213> Mus musculus

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<220>
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<222> (188)..(194)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 6806
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aatttTtgaa catgtacaga gttttatata aatttaaacc aattttttaa aaaaaactga 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

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<210> 6807
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<213> Mus musculus

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<220>

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 ctgtcccacc tgcttctgca ggcaagagga aaacagagcc atcggcttgg actcaagaca 180
 cntggtgaca ctaatgcaaa tgggaaagac tggggaagga attggagtga tcgctcaata 240
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 tgggatgtta gccgtaatca accttatatc gatgatgaat ggtctggggtt aaatgggttg 360
 tcttctgctg accctagctc agactggaat gcaccagcag aggagtgggg gaactgggta 420
 gatgaagata gagcttcact tctgaagtcc caggaaccaa tttctaata tcaaaaggtt 480
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<210> 6808
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 <212> DNA
 <213> Mus musculus

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 aacttatgac ctgcactcct gactcactcc aggggtgaagg gcagacctat ccaggctttc 180
 tgttgaatgg cctggaatcc caggaaaggc ctgcactnga ngagctcnct tccncagcng 240
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<210> 6809
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 <212> DNA
 <213> Mus musculus

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<221> misc_feature
<222> (295)..(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> (522)..(522)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acatgggcag gagagcagtt acagcagggg gctttagtgt tcccatttgg gtccctcagg 180

tcacttgctg attctcagat cttgagacgc tgttcttgac atcttactta tatctagggt 240

ggctgctgtag 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

<210> 6810

<211> 179

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (114)..(114)
 <223> n is a, c, g, or t

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 aaagaggagg agaaccgga ctaatccgag tccncacctt acttccaatt tgcccttctt 180
 cctcagcacg atctttcaaa ccctcttgct gcaaagggtg tcccaacctg tcagcaatag 240
 accagcantg tcttgcccn tttnaaggta ctggttnca ccntantca ggaccagaac 300
 ttcantttnt ganggatgca taccnantnn gantgggggtg gggctaacca agncancagg 360
 aggnnagcac ttggantncn nnnntngtt agctattctg ncctntccct gtaggctntc 420
 cattgatcat cancctagag gtcttcctgc ctgctaaaac ggtctgatta ttttctggga 480
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gactaagtct ggaagccccc agcctccac tgagaagctg gcatccgtgg aacaagacta 180
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 annctcngcc agcgtancca gccagaccgg tccatgcccc cgggccacac actcatgcct 180
 gagaatcagc ggctggagac cctgaacaat ctgctacaaa gccagagcca gctgctacgt 240
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cnggacngtg gagtagaggc tgctagttagg agcacacttt ctctgaagan gaggaggggg	180
tgggggggtat gacattttcc ttcccttttc cagtgaanat aactcttacc ccacccaag	240
gccctttccc tttgcttcct tctngcttga nagaagtggt ggtatttagt atcagctcct	300
cctgttcntc tncctccct tntcccatcc tttggagagc aggactagta catgcactga	360
gcaccgcact ttcttaggta aggagcatg tttgaggcag gaggctgagg agtgaagtcc	420
agtcaagcag gtacaattcc acctcccctt ctancccca aaagacatgt ccagacatta	480
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 aggtggaagt ggtgtccctn ccctccctgc acccatgtgc ctgggncttc cccgtttcct 180
 gttncactn accctattgt gtntctacan ccacctnacc actganccgt aagacaagtg 240
 tatagggaca ggggtctctgg aacacancct ttgtaaggga ttgaacactg ctttcaggtg 300
 cattgagggg taatcaatac ttatggcttt atgagggctc ttaaattttt tctgaaaaac 360
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 acacaggttc agcccgaaca tgacagagcg ggaggctgcg aattttatca tgaagggtcat 180
 ccagaactgt ttcctcagca acaggangcc ggacctacgn acatgatcca gtactaccag 240
 aatgatatcc cctactgaga agcctancct agcacctgaa gccttgagtg tcacagagca 300
 actcgtcctg ccaccgtagg cctggctgtg ggggcaacgg gcacatggac cgttgatgca 360
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gcagtagttn tttttttctt tnttaagtgc atttaagaat atgtgtgggtt ttgtttgtgga    180
acagtggagc tggccattat tacatgtgct cagagatcaa tgcctctgga atacatttga    240
catctgtttg tgtttgcttg ctttgttttt aaggggatct ttccctgtgg gtggtgtcag    300
aatttgagca ccttggtttg ggggtagggt gagctgggca gctgcaatca gcttgtttat    360
gcaaactggg cgtgagcctc tctgggctcc tggttgatgg ctaatgctgg gaggggaaggg    420
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taaccccaac aaggtcagac tatggtaaag ttagaaaaac atatttaccg aagtacacaa	180
ttgatctcat tgaaataaga agtgagaacc gctctgttga gcactgaggt gtaaactgtgc	240
ccagatgcac agcgtgagta gcttcgagta cgcactctgtt tgcacatgtt gtagaagctt	300
aaaatgggaa catgaccctg ctgtggagaa ccttggtaga attgttggtta gtactaaagg	360
agattttccag cgcatacagg gtggcactga aaactgctga agcccacanc cctcancccc	420
gaaggctcag cggccagtac cagcgnccctt gctgtgggttg tgtntntgcg tccctggcac	480
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gtccagtctt gactcactga taaagtttct cccaactatt ntgggttttg acacaggggtt	180
tccctgtgag gctttgacta ttctggaact ctcaagatc caccagcctc ttcctcccca	240
cactgagatt aaagacccgc accactacca cctgtctcct cccgatttta aatacactgg	300
aatgtcttgc agtgtgggtg cactgtcctg gtgtttctgt ttctcagtat tagtgatgcc	360

cgtgggtaaa ggatagacta ggaaaccagc cttcatccct accacttgct gtagcagtca 420
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tccacaatga caggactgat gcattctttg cggaatgggt gtgttgaatt cactagtttg 180
aattcgttaa atggaattga acagtggttt ggaaaccgat ggagacagag cagagggcac 240
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acgagtgcag tggagctcca ggggctctca ttggcttttt ctctttatga tacaatgtgt 360
gcgctgtgtt agcatctcac ttacacagac gctcatgaca ttgggtgttg gtggtcagtg 420
cctattgctt tattcttagt tacctattgt agctagctct tt 462

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tctggaagtt acccagagag ccagggaag ggttcagtca acccctggag ctttcttcca 180
tcccttccca actcaacatc aagcaggcct tgtatgggaa gttgtctaaa cttcagctca 240
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gtgtgggtgca gctgagccac aaagccagct ttggtagagg ccacactgca tcaactgtcct 360
tacaaatgtt cgctgacagc agtgcagtag aaagcatctc tctccaatgt gcatgcagcc 420
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507

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aaagtgagca gactttacga atttttctcc tatgagtggc aactaagggt cctgttgttt    180
ggaaaaaaca ctagtggtat gtccgctact aattcagtgt tggaggaggc accagccata    240
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gagaggagtc agactcctgt catgtatat                                         449

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<210> 6824
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ccagcagcaa caccaggcgg ccgtccgaca gcagctggca gaggcggagg ctgctgtggg    180
cctggctgtg atggaaactg cagtggaggc tctgccctt gtggaggcca ttgagatcta    240
ccctctagct gaagctgat                                                     259

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<210> 6825
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 nnacntnaca nccntcattt nagacctgcg cagccgggta agggannngn nngaaggnat 240
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 cgccccgctc ccatgctgca gcctgcccct ccacccccca agtccacggt gcaccgagcc 180
 caagtgccca caagaacctc gctgctccag ctgagggcca gactgtcttg aagtcagaag 240
 agtatgaagt ggaatgaagg cccctgttct gagaagcaca cttgtttgtaa ctgcatcttt 300
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506

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 ctcnntgnnn nttnnnnntc nnnntgnnnc ttnnnnnnnn nnnnnnnnnn gctgccttgt 240
 accttcaggg ccagcccagg agagagaggg agagcaatgg agccccaggc tgctgtgagc 300
 catccggaga gagcagtatg tatgcctcga acagccatat tggatcatac tgatcattgc 360
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 gctntcttcg aaagcttgac tactacatca tgttaccaag ccctgagcag actgggtggg 480
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ggccctccgt tctttgcacc naaacncca ttcttcctc ccagggtactg atggaaatct 180

ggggaaggca ttttgaacag tctatagaga gcattggaag tagcagtttg ggtttttggt 240

taaatttggt tttcctttct tgtttttttt ttncacttt gttttttttt tttntntnn 300

ntnntntnt tnnntttnn tttnttttnn nnnnnanggn ccctccttcc aaattcagaa 360

agcatacatg gntaacagtt tgctattatc cagtcctctc tccacactta ggncccttcc 420

aanttgtttg ttttttttct ttaaaaaaac aaaacacaca ggcataagta aacataacca 480

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ntggantacc accggtgtgt gaagaccatg antcnccgcg gaaagagcac acaaccctgc 240
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aagtcaaata cgtatgagtg gatgaaaaag tacacatata 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 ttctttatctt aggactttcc taaggtttca catacaaattg gaatctcaac 420
tagttttcat tatctgcatt agcgtcctat tatacaatga ttacttttgc cagtgactga 480
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 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
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 aaggctatct gtgatatttt aaaaaatact gcacttttcg tatttcctag caggtaagaa 180
 aacacttgct acaacactac taggtttctc accgtatctt gtttcagtct ctccagcaat 240
 tcctttctcaa nagcatngtc cagcngggca gctatnaatg ctttttcctg taagaaaaga 300
 ccaaaccatt actccatcag gactcacttt ccagcctgta cacatacant cccctatggt 360
 taataagggg atgacgtggg tgtataccag caaggctttt gcttttctan ccnagataca 420
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 ttttgtatct 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
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ccagtcattgc catgctgcct agactagccc aaacaggcct gagatgcaaa gggcccaggg      180
gcctgcagca gcagaaaact atggctcttg gtttaagagta gccttggttg agatctcacg      240
gcctgcgggg tctgggtagg ccaggccatg tggctacagc agaggctggg tgggaagccc      300
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ccacaggact gcagaggcag gtctgcctgc taagcgacag ccctacaaac agccgggcag      420
aatccacatc acagtgcaac attgaggact tggcactccc cttgggcagg accagatacc      480
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 ccacagacnt gggannaagt tgggagatga gcacatgagg atntnagctt ntnacctgcc 180
 tagtgatggg aaccattaca ccagcatntg cttggaaatc agatntcaca ctttgaaggg 240
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<400> 6839
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ctgagagggtt gtgctgacgg gatccctatt tattattttc atctacttgg tacgaagttg      120
atgagccatg gacagttttc tacagcgggtt cctagagaac agagaagatg ctctctcccc      180
tgcacacatg gatgctgggc atgacatatg caggagtgag tcctgtgctt tcatgggcat      240
ggctgctgtg gccctgctga cactgagat cctcagaata agggacacca tggagtgaga      300
tcctggcctg tggncacctc acttgaagtt cttcagaata agttaaatgt gatctgctct      360
ctggcctccc ttcacctctg tgcacattgc ctgatgcccc atgttggccn agctgtaatc      420
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<210> 6840
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<210> 6841
<211> 141
<212> DNA
<213> Mus musculus

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<400> 6841
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aggccatgag aacgtgaaag g      141

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<210> 6842
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<220>
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 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
 tgggcttcgg tttgttnatg gaggnacct ttgtgacatc ttgtagggtt tcc 473

<210> 6843
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 <223> n is a, c, g, or t

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 gtcggtatct tgttatgtta cttgatttgt cattactaag ttattgtgtt acaa 114

<210> 6844
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 atgtgtgtag aacctggtgg gccaccgttg tgcaaatta 159

<210> 6845
 <211> 229
 <212> DNA
 <213> Mus musculus

<400> 6845
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 aaaactctac acagtgcaaa gctcagagac agctgggggtc ccctggcccc tgccagggcg 120
 ccttgaggcc gcagacactc catggcagac taggggtgctg cctctgccag gcgtgccagg 180
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<210> 6846
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gccagggct ggaaactcaa ggcccagcgc agcagccaga aagtaacaaa gactcccagc 180

ctgaccaca gcacgacca tagtgacatt ggtgagagnn ncaatgatac cccgggccag 240

actccatggc ccagcaaggc tgctnatnnc ttaagcttca gtgagatctc ntcaacagat 300

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ntnagcagta ntgaaagctt cttggaactg actaaccttt taactcagga antccaacan    360
atcccaggag acagagagaa gtcacctct gacgattaac tactccctca aagggccaat    420
gaancccttc ctgagcaatg aacagatttc agccaagctn cctcctccca ggacagtaag    480
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<210> 6847
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gaanttcctt ntgcctncact nttnncctnt ccctgantnt ntcctntggc ccaagcttan	180
taaggatgata atgagtntc cggatnctgg gcacctaagg tntccagntc cctggagagg	240
gagggatgtg ggggggctag gaaccaagcg cccctttgtt ctttagctta tggatg	296

<210> 6848
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 ctgtggcttt cccaagaaaa cncgttttct caaccaagaa aatcatgtag ggncagttct 120
 tntcatgtgt cgccagacac nctggacaac cctccttgg gtattntggg ggctgttgct 180
 gccaggaagg aggacaagga ggatgaccct nggcagctca ctctactct gctctctacc 240
 aacgttnccc agggactcnt aaaatcntca gggacagttg aggctcagcc tccagtcccc 300
 tctgtgtgcc aagagctggc ctcgattcaa ggttgctcat tacagttaat ttgggccatt 360
 gncctggcat cttccatcct gtatgccctc catccatgga agggggctcc cttatttgtgt 420
 ttgcctgc 428

<210> 6849
 <211> 576
 <212> DNA
 <213> Mus musculus

<400> 6849
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 ccacctaaga ttgttctgtg gtttcatgag gtaggagaca gcaaaccac ccctccacat 120
 acattatctg tgactcttac ccagtcatat gtctcccttt tctgtgtca gcttgcgtcc 180
 ccatccctgc tttgtcttcc cacttctgtc atggcagggc agcagaaaga ggcccatctc 240
 caccaggtct ccctccagca gcctccttcc ctctctcagc catggatggg tcccagacct 300

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atctcagcct cctcatcagt gtcttcatga gaggctgagg acacgtgaca gagctagccc 360
agcctccatg ccctctggca cttcagagct tctctgttgc cctctcactg cttcctagca 420
gtgtggcaca gaactgcact cagaacatag ttttggcatt cttcacatcc aagactccag 480
cccttctctgc tgcccagccc tactgtccag agtgtctctt gggcctgaga ataagtgggg 540
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<210> 6850
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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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tctgaaaatg tgacaatgga gaaaaatttt caaattgttc actagcaaatt attccataat 180
aaagacaaag tagagaagcc agaagaatct gtaacacttc tatggagact gaaacaatcc 240
at ttgagagg aaatctgaat atggcggata atatgactct caaaagagt ataccagtaa 300
gcattctgta tgtttaattt aaatgaagaa actcagacaa atcatatttg ttaanaanga 360
ggatttgata aactgagcca tcaaaatgcc agtattccta cagatagaga ttgccctcag 420
tgtcaagtat tcataatctg tatcatatgc tggtttcaag tttcaggata gaaactgtct 480
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<210> 6851
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<212> DNA
<213> Mus musculus

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aaaacctaga acacacttgt gatgtcacct cttggatgta gttgtgtttg taaggatcta 120

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agaagtcatg gtgttgtcgg tgttgagtgc ttggaataaa tgaagagcag accc 174

<210> 6852
 <211> 459
 <212> DNA
 <213> Mus musculus

<400> 6852
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 ctgggagctg atgggcctga gcagaaagaa gacacctttg acgtcttccg ccagcgcgatg 180
 atgcaaattgt acagacacaa gcggggccagc aaatagatca gagccactgg cgacagagat 240
 aagcctcgaa gcagccttgc ctttcccgtc accctgcccc ggacgcctgc agcctgagcc 300
 tcgttccagg gtcacatcca caaggacat 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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<223> n is a, c, g, or t

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 cnttnancac acnttccatt tgctaaaccc cnacantntc cccagantn tagantcgga 180
 agcancctca ttttgggttg tgttttgttt ttgtatagga gcccgagcag ggctggtaac 240
 actttttaaa t 251

<210> 6854
 <211> 92
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (35)..(36)
 <223> n is a, c, g, or t

<220>
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 <222> (39)..(40)
 <223> n is a, c, g, or t

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 cttttgtaac ttgttgccac cgcacaaaaa ta 92

<210> 6855
 <211> 355
 <212> DNA
 <213> Mus musculus

<400> 6855
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 caggtccagt tggagatgac atgtttcatt ggcaagccac aattatggga cctaatagaca 180
 gcccatatca aggtggtgta ttctttttga caattcattt tcttacagac tacccttca 240
 aaccacctaa ggttgcattt acaacaagaa tttatcatcc aaatattaac agtaatggca 300
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<210> 6856
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 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

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ggcgtgggat gtactgacaa caccacccca acgtacacnt cctaacacac ctgctctact 420
agactttctt acagatttca tttcttttgt atttcaagaa ctttataacg actgaaggaa 480
tgtgttatat tatttggtaa agcaacagac tgcgatggga aaatctgttt tctgtaggtt 540
gtttcatttg ttgcat 556

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<223> n is a, c, g, or t

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agcactggaa ggctgttaca gtnggcagac attgatccaa ctctccggcc caccacctc 120
tcgctcatgc attttaagag tttgtgtgat gtatacagaa aaatgtgtga tgaagaccca 180
caactcttta cttataactt cagagaggag ctca 214

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<210> 6858
<211> 552
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<400> 6858

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agaccctcac ccctggagag gatgaaggct ctaccacaaa ntgctcctga ggagaagcag    180
nctgccactg agcccagctg gggctctaac caggagtcac agctcctccc acttggtctc    240
tagncctctg gaggcctttg tgtgccagg ccttggtctc cctcaancca aggccctgtc    300
cattccctgt tcctctccn nccccctctc ccctcctncc cncnnnnncc cnnccctccc    360
tccaaggcac ccancctcac tntaggactt gtccctggct ccccatccat caggggtgcca    420
tgtgaggttc atcccagcct ntntcctgtg gtggcattgg cagctgtagg actggtnccc    480
ccaaccctcc ctaccagga ctctgcccga gggaagaggc taatggccag gcctctctgg    540
tggttatatt at                                                    552
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<210> 6859

<211> 273

<212> DNA

<213> Mus musculus

<400> 6859

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gcttttaaag tttgtgggca actgctttca tctgttcaca tattttgaat agctacacta    120
ataactgtta tttggtaaat atttaaagga aaaaaaatag atctgtatat tgatggtaga    180
atgtcaagac aattcttttc caaacatgtt ctttttggtc actaatacaa ctgcgagggc    240
aaaacatcga aacactgtgt cttttgttta agg                                273
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<210> 6860

<211> 514

<212> DNA

<213> Mus musculus

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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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actcagtaaa catatctccc ttgacttatt ttcaggaaaa aggtgaaggt ttngaggaag      120
aagaggtagc tttcatcttt gggaaaaaatg 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 ggctctgtct cagaatcatt tatttgacca      480
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<210> 6861
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<213> Mus musculus

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 nggaagagga tggaagcaga tgggtaagcg gcatccctct ttgtctttgg gcctggtgag 180
 aactgttcag gatactgntn ntngngngan nnannnnnnn nntgnnntnn gggtcgaagt 240
 gnaaaagacc aaagtactaa tctctagttc canctgtcac cacgtggctg ttcttagttg 300
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<210> 6862
 <211> 520
 <212> DNA
 <213> Mus musculus

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 tancgaggca tgtccattga tcaggctttg gncgcagctg gagttcaatg ataaaaaggg 180
 ggctcaaadc attaaagagg ttctcttaga agcacaagac atggcagtg gagaccataa 240
 tgttgaattc agatccaact tacacatagc tgagtctacc tcangccgag gccagtgccct 300
 gaagcgcadc cgttaccatg gccgaggtcg ctttggcatt atggagaagg tctattgcca 360
 ctatitttga aagctggtgg aaggaccccc tccccacccc gaagtaccca agacagcagt 420
 tgaccacgcc aaggactata ttacgcagct 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 ctttgattg attctaccgt gtttatgtta aatgtgtgca 180
 ttgatttttc tctgctagta tatttctgta aaaataatgg tcttggaata tgatggccaa 240
 aaatgatagt cttggaaaat ggtggctttc cattaacatg tattttaaca gtcattgtatt 300
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<210> 6864
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 <212> DNA
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 gaagggaggg cgaggcngga gccnaaaag cgaccgggag aaggagcggg tancgggccc 180
 aggnccggggc 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
 ctttggaata gtatttaaca ttctggagcc ccagcttcct aacctgtaaa aatggagatg 480
 ataacaccta ccttgcaggg ttgtt 505

<210> 6865
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 <213> Mus musculus

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 <222> (474)..(474)
 <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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 accacaacac ccctgggctt cccaagatct acatccatcg ggttggccgc acagcccgtg 120
 cagggaggca ggggnaagcc atcacactgg tgacgcagta tgatatccac ctgttgcattg 180
 ccatcgagga gcagatcaag cagcagctgg cagagctggt ggtggaggag gctgagggtc 240
 taaaaatcct cagcaggttc 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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 <222> (100)..(106)
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 <222> (204)..(204)
 <223> n is a, c, g, or t

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 <222> (245)..(245)
 <223> n is a, c, g, or t

<400> 6866
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 cccttctgca caatccatca gtgttacacn ggtcaagatn nnnnnngccc nctcnnccca 120
 nctctgaaaa anacattagt ttttcngaa tagaccatgt tctatactag actttttata 180
 ttgcccataa atatgactct gtgnccagtt tattaagtct aacaaagcag gcaaagaaac 240
 aagancctgt caaacctgtg gtgttaataa gatag 275

<210> 6867
 <211> 354
 <212> DNA
 <213> Mus musculus

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 <222> (100)..(106)
 <223> 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)
 <223> n is a, c, g, or t

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 <222> (147)..(147)
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 <222> (204)..(204)
 <223> n is a, c, g, or t

<220>
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 <222> (245)..(245)
 <223> n is a, c, g, or t

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 cccttctgca caatccatca gtgttacacn ggtcaagatn nnnnnngccc nctcnnccca 120
 nctctgaaaa anacattagt ttttcngaa tagaccatgt tctatactag actttttata 180
 ttgcccataa atatgactct gtgnccagtt tattaagtct aacaaagcag gcaaagaaac 240
 aagancctgt 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

<210> 6869
 <211> 403
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (357)..(357)
 <223> n is a, c, g, or t

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 ttcttggggg cctctggcct ccctactctc ttgtcttccc gtttgacagt gctaggaacc 120
 ataccagga ccttgtatac ttgacacatg ctttatcttc agttcatacg tctttagcca 180
 cacctataat cctttgtttg cgttgttttc tccttactgt agagttcaac tgactggatt 240
 gtaagaatct gttaatgtga gctatcttga ctgttggatc atatatgctt gaggatgggg 300
 tgaaagctga tgttgtatgt aggttaatag gggagaaggc atactggaga agacagncta 360
 taacttagga gaggaacaa gcttactttt ggctctgtta ctg 403

<210> 6870
 <211> 448
 <212> DNA
 <213> Mus musculus

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 <222> (342)..(342)
 <223> n is a, c, g, or t

<220>
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 <222> (399)..(399)
 <223> n is a, c, g, or t

<400> 6870

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 ttatitttgca cagcagctca tgggtggctgg agtctttccct ctccatggta tgggttcagc 120
 attgagacac atgaaggaag ttttgaaaat ctccccgatg atgatgggtca ttcagtaaatt 180
 gctaactttt atatccctcc agcattaaca ataagagttt tggaaactgt tctacaggaa 240
 gccagcatgg ctgtgatatg gtgggggtgct gttttgggcc tttctggcta tacagtctgt 300
 tatagtattt ggggaaagta gctgctactg ggtggtaact gnttgctaac tgttgctctc 360
 cacttggctc agaacaattt cctttgtttc agaggaatnt cctggaactc agcacttgac 420
 acacattctc cctcctaaag ttttacag 448

<210> 6871
 <211> 442
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (51)..(51)
 <223> n is a, c, g, or t

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 aacaccagct tctcagcatg gtgagaatgc tagaaagtgg gaatgtaatg agcctgtagt 120
 tgttacgaag atttgcccct aagagtagtt acccttttat ctgtcatttt atcagtgaat 180
 tgtggatttt gtttgtattt tcccactgga aggaaatttc taacctcaca gtggagctga 240
 agttgggttca gctccacact ttagggccac agctgtactc ctgtttttaca 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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 cagtggcctt ctctggccat cataccttac tttcttgtaa ggcccagctg ttagagagcc 180

aagaagataa ttgtccaggc tgtgggctgg gtgaggctct tgctggagaa agatacaccc 240
atatcaagag aaaaaaggta accttcctgg aagaagttac tgagtattat ataagtgggtg 300
atgaggatcg caaaggacca tgggaagaat ttgcaaggga tggatgcagg ttccagaaac 360
gaattcaaga aacagaagtt gccattggct actgcttggc ctttgagcac agagaaaaaa 420
tgtttaatag actgaggatc gagtcaaagg acttactgtt gtacagcaat gttaagaagt 480
gaacagcctg caaccgt 498

<210> 6873
<211> 165
<212> DNA
<213> Mus musculus

<400> 6873
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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
<211> 449
<212> DNA
<213> Mus musculus

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gaggagcagg aagaacacac cagcatgggc gcgttcaacg atccgttcct ggctcagccc 120
cccgatgaag attcacattc cagttttcct gatggtgaac aaatagacct tgaaaatctc 180
cacttcaacc ctgatgaagg aggtggaaga ctgcttggtc ttggaaccca gcagccatac 240
tgtgaggaag tccaaaccag ccaacctgga gagacggcat gcacagggtc ccacggatat 300

gagctgagggc ccctggcccc agctaacagc caccatnagc tgtctgacgt gtaagtgcac 360
 agggcttcag acaacaccag tcttcagcct gaggctccca atcccatgga acagaaatgg 420
 gaacgtgctg ctccagtctg aaatcctga 449

<210> 6876
 <211> 199
 <212> DNA
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<220>
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 <222> (39)..(39)
 <223> n is a, c, g, or t

<220>
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 <222> (80)..(80)
 <223> n is a, c, g, or t

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 tcaccttacc tgtgaatgtg ccatccacct cataaatatc cattttttaa acaagctact 120
 taaaatccac aacagaggac tccctgtgcc gctatccccc cttgggacaa tccacttcaa 180
 tctgtttggc tggcttgct 199

<210> 6877
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tggggtccagt cctntatgat ttgtaaagga aagagtcacc ttacctgtga atgtnccatc 180
cacctcataa atatccattt ttaaaacaag ctacttaaaa tccacaacag aggactccct 240
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<223> n is a, c, g, or t

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 atcgaagaat gtccagagac taccaccaag atntcccctg gaccaaaggc tgctgctggg 180
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 <223> n is a, c, g, or t

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 tggcgacatc gtcgagtttt ccatctgtct ctatccctat ccgccccccc caccctcggt 180
 gtaccggttc cgtagggttc cgcttgcccc aggtccctga tccctgtccc ctcccccgcc 240
 cctccccag cgatgntgcg ttctgtttgc tttaggtttt tgaaacggcc ctggcgacgc 300
 cccattggc tctcaccctt ggcaacggcc gtcgccatgg ttaccggccc ggcggcgcca 360
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 <211> 73
 <212> DNA
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 gacctgcagg cga 73

<210> 6882
 <211> 129
 <212> DNA

<213> Mus musculus

<400> 6882

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tatctttat 129

<210> 6883

<211> 61

<212> DNA

<213> Mus musculus

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c 61

<210> 6884

<211> 305

<212> DNA

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<223> n is a, c, g, or t

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ggctcttgaa ccaatgtgag gtttgttttg tccctaaatc accaccactc actatttctc 180

ccagggctctg ataatgcctt tacctccatg tccaggatgt agccctaagg tgagggaaca 240

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ccttg 305

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<211> 101

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<213> Mus musculus

<400> 6885

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 aattcagtga catcttccag aagaaaaaca agagctgcag gacaggggtga gcacaaaaaa 180
 tgctttgttt gccctcaa atacatgat tcacgttgaa ctgtgaagga aggcaaaagg 240
 ggagaaacta ttngnantga ngtcccngtg tcaccagtga gggccaggna actcgccaca 300
 ggtctctgcc naactgaaag acttgaggta acctggattt nctnttncca tannttgctg 360
 aaagangtaa aggacacaaa tttntgatg antcngtatg aacagaacnt gagcaccggg 420
 aagtagagag gaacatgaag aaaagaagct ttgtgacctt gaagaatcca tggaggttag 480
 cctaaattcc aaaagctgt 499

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 cctgctgctt cagaacctct ttctaggtga caaatcgatn tntcttttta ttgttccaaa 180
 gcttttagtga tgtaaga 197

<210> 6888
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 <212> DNA
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<223> n is a, c, g, or t

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gggcttttaa 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 atnnnttggt 360

tcccaagggt 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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 cgctgtggga tctcattagg gaatattcag atatcgagga tgtcgaggat gtggaggggtg 120
 actttgaaat gcttagaaaa ctgacatagg aagcctctgc ttcccagacg aacatctgga 180
 tcggcgatgg agatgctgct tctnatcatc tntcccactg gagcntcagt ntggaacgtn 240
 ntccntcctn ggcttnttga tngatgtntc ctncagggtg antccttcca ctttatatgt 300
 gtatacatat actttatatg cagttcatnt tttattctgt aactttgaac tggacaaaac 360

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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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 cctacagtct ccagagttgt ctctcaaca cgactggtaa acccatcgcc tagaccttca 180
 ggaaacacag caacaaaagt ccctaactct atagtaggag tcaagagaac gtcctcacc 240
 aataaagaag aaagtcctaa gaaaaccaa acagaagagg atgaaacaag tgaagatgct 300
 aactgtcttg ctttgagtgg acatgataaa acagagacaa aggaacaagt tgatctggag 360

acaagtgcgg ttcaatcaga aactgttccg gcatcggtt ctctgttggc ctctcagaaa 420
 acatccagta cagacctttc tgatatccct gntctnnncc ntgcaaatacc tattcctgtt 480
 atcaagaatt caataaaact gagactgaat cggtaaaacc acctcagggt ccataaacag 540
 tatct 545

<210> 6891
 <211> 50
 <212> DNA
 <213> Mus musculus

<400> 6891
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<210> 6892
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tacagtggag ggctgtatth gatgttcgct actaccatag catctgtgag ctttatcaaa	180
ctagttttatt tgacttatgt cctacctgct atctccaatt tgttgttttc atatthtagt	240
ggataattta gtttaaaata cccagagatt gggaacatnc aaccgtgtaa cgtgatttht	300
ntagtaagtn tcnctcagaa ggaagttata gtatthctgt ttgtattaat ttgtaagtta	360
aaactttgggt tagtaagaga aaaaaaatcc caataaataa gctataactc ttatgtagtt	420
agagataatg ctaccatnat aaactnccca gactgtggag gtactctgta t	471

<210> 6893

<211> 138

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 aaataaaaacc tttcagat 138

<210> 6894
 <211> 74
 <212> DNA
 <213> Mus musculus

<400> 6894
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<210> 6895
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 <212> DNA
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 <223> n is a, c, g, or t

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aaattccact gatttcggcc cattgaccat ctgacantct tatcccagcc tgtacactgt    180
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<210> 6896
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ctntctctcc aagtaggtgg tgttagaant cttaattctt ttcccttctt ttgtatggac    180
tacaa                                              185

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atgccatatt tattaataat tgtaactaaa gtcactgacc tataagacagt accagggttaa 120

atattgggat atgtatgggc aatcagaaat gttactttta atgccatctg cctattttga 180

ggccatgttt ggcacttttt agactagggt aagtctgata ataccnggtg gggttttntc 240

tttttttttt tttttnnntc tgaactctca aagtttggtta ctggaaatna tttgcatggt 300

aggagagatt gaattattta ttttttatat gtagaaaaat ctctctaacc nacaaatagc 360

tcattgttac tgatttggtt gttttcctaa cttattntcc tggacagaac ggtancaaag 420

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<210> 6898

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ttccgatgaa aaacaggagc ctgctaagga acaatgccac ct 102

<210> 6900
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 <223> n is a, c, g, or t

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<210> 6901
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 catagagttg gatctgtagc ggtcctttgg agagtgtgtg tggcgggaga gtgaaccctt 240
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 ggggtgggggg tgtggtgttg ggggnnnngnn nnnnnannnn nnnnttncn nnannnnnnn 180
 ncnnnttttt tngctnntca gaaagaggca gatttggcag cccaggcaga anntnccaag 240
 aagtgacccc aactttntac antntgagaa tttgaagtga gaggctgaga aagggggcca 300
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cctccagaag cgggatgcag tctctgaaga gcaatgttct gcatgtggcc tgatgtctgc      180
ctgcatttac aagtttctctg gcattatccc ccacacacca gatgggacag gcatctgtat      240
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atgcttttaa caccaggtg agaaaatctt aatgtaagcc acttgagct acacatttac      360
atccgagaga tctcaacaaa tttgtacaac atagactatt aattccttta cagcttatta      420
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ctgattgcca ttttattcta gcatgaacct tttttttttt ttttttnng ctgtatacta      180
aacagaaaac actggaggca tgtatgttgg actgtattac agagttaaag ctaactttaa      240
actatgtaac cttttatgac tcaatgtgcc ttattgtgta ttgctgtgat atagcaaaat      300
atgcttagaa attaaaacat acatttgaag cttgggttatg atattatfff tcttataata      360
tcatatgtat ttttttaaaa tttncctttc agggactaaa aaaattgaaa aaaaataaag      420
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cataaccag tagccgtgac agaaatctct tttctttgca ccccatcct cctctttttg 240
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tagctagtct attctttcac ttgcattaga gcttacatac gggttntggc atctatcacc 180

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<212> DNA
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 gagtagtttt tcaagtccca gactggcttc atcatcttct aatgggaact cgaatcctct 240
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 tgatgaatta cattccagat ctgatagtca agtgtatcgg tgaagaaacc aantacgaaa 480
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tgganggcaa cagacaactt gaagatctca ttggtgtttc nctagtagca tgntccttaa	240
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ttaaagccat tttgaactga gtgttacctt caanntntga caactntcaa cctacctgga	420
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 ccttcgttac tgggttccaa gtggggcccca aggaaaagca atttttttcc ccaattggaa 180
 acaattggaa gtgggttccaa aactttacca aagggccttt gatggggagc tctgggggaac 240
 ttaattggcc tgggggaaac taatgggccc aaccnctnn nnnnnnnn nnnntncann 300
 nnnntnnntg nnnngnnnnn accnnttccc nggatanttt ntcaatngac gatttatng 360
 agncncancn gacactcaca ngcttcacaa agaagggaaa ttncctncntn tgnntnatca 420
 ntgttattta aaaaaaaaaa aagaggaaag acattgaatg atgtggatat tcnccatacc 480
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 aagacataaa gtggcgggccc aggtgaagcc aacacttgac tntcagaacc tcaaccacc 180
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angtgtacag ttncatgttg ctaaanttag cacggccagg aaatgcaatg gcatttttat 180

tttctgtgt actttaata ntcctttgtt agtantcttc ctcaatgaaa tgtagtggca 240

gccttgggag tcactagtca gtattcatgc ttagtactgt gatgtagagg atntgaatgg 300

ntccanataa atggtatcag gaanccatag aagaaatnnt ctatatnttt taatncaanc 360

aggttttgaa aaaccatgga tantgagtag agaattanttt 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 tcaagtgcct tntctntcct ntntctgggtt gtgttttgat tttaaatagg 300
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 ataa 124

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 tgccaggagc ggagctcagc ctgtagnagt ncctctcttt gatcctacct tttcagnccc 180
 tcnanccatc catctatcca tccctctgtc accatncctt cctgnctcca ggctgggggg 240
 agggagancc aaaagtgggt ccgatctgaa ntcttncct ntctcaaag cctgggtaga 300
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tagttggggtt 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
ggtcataaac atcaacttct aaccctgcta agacacttgt tagattactt taaattagac     420
cctaagtaat ttaggatntc attcactcac agaaatgcta tttgtgacac tgtgtca       477

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aacacgnntt ngaaatcagt tgtctgttat ttagttctaa aacatgacac atcttgcctt     180
aacagtttca aaaaccacac ataaaactcc atagtacagt aggccaagtt tcatcctatt     240
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 cttttataat atgtgttaat gnctctatga caaatnctct gattcctagt gccaaagggtt 180
 cacttcagtg tatataactg aacactcatc catnctgtgc tctttttttt tttttttaat 240
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 ctgccctgtg acccctggag ccttccaccc cggcantnca tgaaggtn tn gcctgaaaac 180
 cagcctgctg gtgggggcann nnncntgagg acctggcgtg catccctgcc ggaggaaggt 240
 ccagaggcct gtgncccntg ggctcgagct tcaccctggc tgccttgtgg gaataaaat 299

<210> 6940
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 <212> DNA
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 aaaagtcgac tttctcggat actcagtgtg tctctttcta gaactgcaca gagtgtatct 120
 atgtcaatat cagtaaacc ctcgcactg attgcatcca ctgtgctctt gtctatgggtg 180
 tccagacaaa gactagccag ctggggctca tcgaacaacc gcgcctgagt aagcaacata 240
 aaggcattat ctgccctaag atgtttggtg agaaattcta cgcaatgtgc ttccaaggca 300
 gggactgcat atttcttagc agtataaaga gtggtcataa cggtttctgg accaatttga 360
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 <212> DNA
 <213> Mus musculus

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 cagtgaagaa cccgagga 138

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 ttcaaaaggt gtgctgaaga aacatgctac g 211

<210> 6945
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 <212> DNA
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<400> 6945

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gaaagaacct attcttcagt ttgtcgatgg tgacaggagc acatgtggca agatagcctt    180
gtcacagatt ggaagttgtg acaatattat agagttttga cattggaaac agcacattct    240
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ctgttactca gtgaacatct gttttaaaga aaggcgtaca aatacagatc acatcaaacg    360
ctttcattga gaggttgaca tggacgctta tacagtttat ggtagatggg ctcagaagct    420
ttcctgtgta tgagaaacag aactacaggc ttttttgtat aagttcctgt acatcttgtc    480
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tgagaggggc ctggatcacc taggtgagct ggggtatcact ccagggagcc ctggagnagg    180
aggcaggagg tgactggcac catgtggatg tgagatgttg agaaagaagc tgggagccgg    240
cagaggacag gcagtgggtc cctcggaacc tccagcaggg actggctctg ctgacagata    300
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 caganccggt aaccgtatgt gtagccaggg caacatgncc actttctttc ccacctgctg 180
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 cctctgccct cgggaccagg cactcagaag gaggaggtcc cagacttgat tgtagaaatg 180
 gggactgaag ggattgtggg caggatgtga tcaaaggggc catttctcac ttttctttcc 240

tcatcctcac tgccccctcaa gctaggtgga tttttctctt gttgacaaag agtatttggt 300
 agggaaagca ggttaaaaat aaagacagcc cttccctgcc ctttgtgtcc ctttcctggt 360
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 gggaatgata ggaggagaga atgggcagct ctgggaaaca tgtccaagga ggatgccatg 180
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 tgtggattat tttcgaccag aacaaaagac agatgggctc aggcgatgcc tatccacatc 180
 agtatttctt naaattggag aaaggagatt atacaattcg attacagatt cgtcatgagc 240
 aaatcagtga tttggatcgt ctcaaagatc ttccgtttat tgtttcacat aggnttgtct 300
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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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 tntccatcna aattggnntn tccttaccat ttccgtnccc cntacagtga gagacaagat 180
 gtccatccat gntntnttac tgcattttcc cttcccttgc agattgtgag atgtaatgaa 240
 aagtattgct atttcccaga aataaa 266

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 agnacatttc ntgaacnttt gcaagattna cagtcctgcn taggttagtg gntcctttga 180
 tggcaaaggt cagctggaac ttgnctttna ggtggcaggc ccatgcnant ggccacctcc 240

tccaccagtg accncgacag aagggactgg tagcttgaac ttggaccctc cagtaca 297

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 cgagtgcctc tcagctgttc ntgagccaca gccaccagc ctgcnatg tacaaccagt 180
 ctctgaacat tgacattgct gtgctcactg aggcacaagt accaccaat ggcccctggg 240
 tctgcccctt ctagggacat gcggcatctc tagggcctga agtcccatgg tcatatccaa 300
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 agggggaagg tgactctgaa ggatctggaa gcacactgcc tgtggacttg tgtggtgggt 180
 ggggcattan gaaagtagag aagantctctg ttcacatctt ctgctacatg ttcnaccnt 240
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 cttttattat atnccgtcct catgcctgca tgtcaggcac tttacccatg gagctgtttc 360
 cctagctcct gaaaagattt tntgaagcac tgttctataa ttatatttta atgtgttttt 420
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 actgctctaa gcctttcaac tcaccagcca acctggcccc 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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 nccgaggaaa cagcttnttt ttccggaagg ttcttctgtg ganganttac tnttatgacc 240
 taagaatggt aatntnngan gatgtggggc agggacagtg acatttnnnn atantcccaa 300
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ncnnntntnc cttgagantg aggaaggnan caggcaagca aggagccatg aaccacaggg 120
 cccagccag cacaggattt ntcctcattc cgtgggtgat ggatgaatnt nattggantc 180
 ctgaataaat gctgtttttt ggcttccaaa accctgnttt ttntggcctt gggtcatgag 240
 ggtataag 248

<210> 6982
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gagtgc aaat gttt

134

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 atatccagtg gggaaatttt gtttgttact gtcatt 156

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 cttaggacga tgtctcacct tgctgtctct gacaggtttg agcatggcag aaggggacac 180
 cttggtctca gtggattacg aaatttttgg aaagggttcaa ggggtgtttt tccgcaagta 240
 cactcaggct gagggtaaaa agctaggttt ggtgggctgg gttcagaaca ccgaccgggg 300
 caccgtgcaa gggcaantgc agggccccgt ntccaagggtg cgcttcatgc agcagtggct 360
 ggagaccaga ggaantccca antcgacat tgacagagca aacttcaaca atgagaaant 420
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<210> 6987
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<210> 6988

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ggctgagcca	gagaccaact	gcagaggaac	tggaacagag	gaacattttg	aagcctcgga	180
atgaacaaga	agaacaggag	gagaagcggg	aatcaagag	gaggctgact	cgcaagctca	240
gccaaangcc	cancantnga	agaactccgg	gagaggaaga	tccttatccg	cttcagtgc	300
tacntggaag	tggcagatgc	ccaagactat	gaccgaaggg	cagacaagcc	atggaccnc	360
ctcaccnctg	cagacaanag	ctnccattcg	gaaggaactc	aatgagttta	aaagtaccga	420
gatggaagtc	cacgagttaa	gtagacactt	aaccagggtt	catcgacctt	aacagtggga	480

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ttttatgaga	gaattgtgtg gccacctcaa tatcatttat gatctcgact ggtcaaaaga 180
cgatcgctat	ctcgttactt catcctctga cggcactgcc agagtttgga agaataaat 240
caatagcacg	agcacgttca gagtcttacc tcaccctcc ttcgtctaca cggctaaatt 300
ccaccagcc	acacgggagc tgggtggttac aggatgctac gactctatga taaggatttg 360
gaaaattgat	gcaagggagg atgctgccat attagtgcgc cagttggatg tgcacaagag 420
ctttgtcaac	tccatctgtt ttgacgatga aggtcaccac atgtactcag gagactgcat 480
cggggtcatc	gttgtctggg acacgtacgt caaagtgaat gatgtgcaac actccgtgcg 540
c	541

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 ncnccacag ctgcantnt nttcagagca cacacttcac caattcctac cacaacgttc 180
 ctncgtgtaa tacttgaaat cacgacactc aatgtgaact tttaaaag 228

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 caactggact cttgctaata gtggagaaca actgcatggc tcccatgaac tggaaaatca 120
 tcaggttgcc gattctatgg aatatggatt cctgcccaat ccagtagctg ttaaatacgtg 180
 agttatgttt attgatgctt tgggggaatg tccacattat agttggggct gttctgttat 240
 caagaaacc aaggtcagca ccctgctttt tgatctctct atataaattt ttaaccaag 300
 tataagtatt tcatatgtta tgtacatagt atcatatatg ttcctatgta gtcctacaa 360
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gaggcagggg acccactnagg atnaaccaag tngagtgttn atccnactnc acancctttc 120

gtgaccctac atttccatnn nacaggtcag aagctgcacc aatgagaant nttncaggcg 180
 atgtagaaat gactgtggat tntaatacac accgaaattc tgactgaga 229

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 tgttgtttgt gaaagtttat aaatgtttat tgtataactn tttatagatc tgtntccac 120
 atgctaagat taatggcaat gcaacaccat gtccagcatg ttccattaaa tgtagttaa 179

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 cagcaaggac agagagccca cccaagatgc aacccttaag agcctccatg ggaagccatc 180
 tcccaccagg ncgaagactt ctagtcanaa gagaactggc agcaaggcag gcggccactc 240
 ctcaacacag cttcccaagg aggtccaacc ccaggatgac agcttttnc aagactgctac 300
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 tccagtctca gtgggttca 379

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 acaagtatga tagaagtgat gaagccattg cacaacacag ttatctctga ctacattaaa 180
 ggaaagataa tgatgacaaa cactatnaat gtaataaggg ggggggggta agccattat 240
 ataacatggt caactttgaa tacagaaaaa gacatactat ntaaagggnc tncaatatat 300
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 acaagtatga tagaagtgat gaagccattg cacaacacag ttatctctga ctacattaaa 180
 ggaaagataa tgatgacaaa cactatnaat gtaataaggg ggggggggta agcccattat 240
 ataacatggt caactttgaa tacagaaaaa gacatactat ntaaagggnc tncaatatat 300
 gtncncncac tagatggtgc taaacctctt tgtncncagc tgcgagagca tagcaagcca 360
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 ncccnangan tcctnttcgg gtgaggcctg gcctnctgtt ctaagtantc cactggcatt 180
 gccttccaag ccacttttagg tccttttggt ttgttttggt tttgttttta aatcagtgtt 240
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aacaggagcc tgctaaggaa caatgccacc t 151

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 antgtncat tttncncta aatattttgc tttcagtaag tactctccag ctntccttgg 180
 gggttggttg gtggaattac tctgtattga caagtacaag ttaccgccta tgctttgtac 240
 cttaggctac aaaact 256

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<223> n is a, c, g, or t

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tttattttcaa ataaaatata ttgtattat ttnnnncatt catactatcc ntccatgccca 120

cactttnttc tgtaccaggt agcccaatag aaatacacct gtt 163

<210> 7003

<211> 79

<212> DNA

<213> Mus musculus

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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

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<212> DNA

<213> Mus musculus

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ttaggctcat cccagtttct ctcttctgac cgtagcgtac cagcagttct tgacagtccc 180

aaagttacca gtggcatcat cagactgaga gcctgggctc cttcttagat cttgttcaga 240

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<210> 7006

<211> 177

<212> DNA

<213> Mus musculus

<400> 7006

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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 tcagtcttga 120

atggaattgt agacatcgcc gctgggtcatg ggagtgttgg ttaccattgc tgttctggag 180

acagatgcat cagaggaacc tgatgatgga aacttaaccc acattgctga gggaagcagc 240

tgggatgagc aagaagacgg tcctagacaa agttatggtg 280

<210> 7009
 <211> 405
 <212> DNA
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 actcctgtag gccagcaggg gacttatgcc tctgggcagc taagctcttt gacctacagc 180
 actgctacag ccagaaagaa ccccgtttac gatccccagg cgatggagtt ggagtctgag 240
 gagtagtggg aaatcatcca ggcccaagct acgggaccca agatcaattc aaacatcagg 300
 actccctagt gctggcttca naggcgatgt tttctatctc tgttgtctcc atcccatagc 360
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<210> 7010
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 <212> DNA
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 <223> n is a, c, g, or t

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 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

<400> 7011
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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

<400> 7013
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gaccgagtag aggcattgtag ggacttgtgg ctgttccata attccatgtg ctgttgcagg 180
gtcctgcaag taccagctc tgcttgcctga aactggaagt tattttatatt ttaatggccc 240
ttgagagtca tgaacacatc agctagcaac agaagtaaca agagtgattc ttgctgctat 300
taccgcttta aaaaaaaaaa atcaagactt ggaacgcctt ttactaaac ttgacagaag 360
ttcagtaaatt tcttacc 377

<210> 7014
 <211> 168
 <212> DNA
 <213> Mus musculus

<400> 7014
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 ttctttctttg gagtacaaga aaggagaaaag 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
 gtcattgggtg agggagctgc tgtgctggtg ctggaagaac atgagcatgc tgttcagaga 180
 ggagctcga tctacgcaga aattttgggt tatggactct cgggtgatgc cggtcacata 240
 actgcccccg atcccgaagg agaaggtgct ttaa 274

<210> 7016
 <211> 442
 <212> DNA
 <213> Mus musculus

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 agaggacaat gccttttttg acaggaaaac taattgaccg gcgtacatat gcaagacaac 180
 acttggctct ccagtcagtt ttcttaatta attttgcct ggaatatata caagttattg 240
 gtggcagcta cagcaataat gctctccatg ggggtgccagg ctgtgtggag gatcttctat 300
 tgaagtccaa actgtccacg ctaatctcgt cttcttctct accccctgta cataactttc 360
 cggggggttca ggggtgggctc gggtttgctg ttctctcttg agggcttcca gtgtaacatt 420
 ccctccgagt gtttctatca aa 442

<210> 7017
 <211> 346

<212> DNA
<213> Mus musculus

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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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tcagttccac tgattgaaat tttcttcttc catggactaa gtccatctag gaaggaaaaa 180
tgaggagaaa gagtgtggta tcctccttct aagacagtga ccgatttctc tgggttgggc 240
caagacttta ttactgcat catgcatgac tcactcaggg 280

<210> 7019
<211> 348
<212> DNA
<213> Mus musculus

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ctttcacaga actagacccc cgagatacat agtgctgttc aacttgagtt accatgtaca 180
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tccctttata tcccctccac agttcacagg ttgatgaaca gaacaaaagc agttatgatc 300
acttgtgctg ttgtgatgac tgttctgtga agacgtaagg acacttga 348

<210> 7020
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<212> DNA
<213> Mus musculus

<400> 7020
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<210> 7021
<211> 348
<212> DNA
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tcaaggggtgc cttggaggga gagctacaca gtgatagagc agacaggagg tctacagagg 180
agcaggggagc tccacacact ccaggcccca gtgtactgtg tgtccagtat agttaaggaa 240
gaaacattaa aattgtttta ctgttttaac atgtatccca cagttgtagt ttgtaaagaa 300
ttgagccacc ttgaacagtc tgattcagaa taaacgtata gcatcatg 348

<210> 7022
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<212> DNA
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gtgcacgtgc 130

<210> 7023
<211> 232
<212> DNA
<213> Mus musculus

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gacagtgtgc atccccacag atgagtgtgc atctccctac ctctctgtaa agacagatac 120
cgatgacctt gtgactttac tatccagctt ggtaagaaaa gaaataccaa gtagatacag 180
tgcaagcttt cctttaatgt atatactgca taggtacgac atgttttagta aa 232

<210> 7024
<211> 112
<212> DNA
<213> Mus musculus

<400> 7024
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agtttcctct ccttgcatth atttaagata ctgttagaga gatattgttt tc 112

<210> 7025
<211> 168
<212> DNA
<213> Mus musculus

<400> 7025
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tattagatgg atgaacttag gtttcaccca tgatattttt gtaacttg 168

<210> 7026
<211> 162
<212> DNA
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actgttcacc ataatgtggc tctcatgtgc thctccagc th 162

<210> 7027
<211> 136
<212> DNA
<213> Mus musculus

<400> 7027
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thccctggat tgaagatacc atgaaaaata actgagctcc cacaacagga ggaattctga 120
aacatgtgac aaggca 136

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<211> 331
<212> DNA
<213> Mus musculus

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thtgaagcac tgccccagcc agacccttat ththtcgtaa gatthctggc tggaggggtg 180

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ccccagcag gcagagctca gtgctgtttg ctttgataat cgtaaagcca tatcatctga 240
ggtttccggc ttgagatgtg aatttgtttt atagactata aatatacagt gtatgtataa 300
agcagaatgc ctgtccttct gattatTTTT t 331

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<212> DNA
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atgacatggt tacctggttg ttggatgact gaattatgac agtcgactta ctacagggta 180
aagctgggta gtttctggct ctgacttctt ggagcatacc taccatgagc actctttcca 240
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<212> DNA
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aaaccctggc tactcctcca tcccaccggt tttccgactc tgtctaaact ggaaagggga 180
gaaaaccaac agcaacgatg acaatattcg ggctatggag agtgaagtca acgtgtgcta 240
taaggagtgt tgtggccctc ggcccagtca ccagctcctg accaaccagc tgcagagact 300
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 tgaaacgagt tcccaaaagg gttgagtcac gacttgtcaa taacctacat gaagtatttt 180
 gacttacttg ttttgaaga aaagttgggt attttttctg tgaaatncaa ttntccaaat 240
 ttgagcattt tgtatagggt ttctgttaaa tgttttcaac taaattcctc agntcttacc 300
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 <223> n is a, c, g, or t

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 gtcacagtgg aaaagcccag agactccgat cttggaacag aagggctggc gtttttaatc 180
 cagctaaaag aaatgcgtgt gctngantcn nnnnnnnnnn nnnnntttcg agcctcaagt 240

tgctatccca gcatctctta aaacngtnng ttctgagaaa tcttnatagg cnaagnaact 300
tctgcnttgt gagaaagttg acaaacatgg atttggaant ntaccttttc ttgtgtccag 360
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<211> 475
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<223> 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

<400> 7033
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tcctaggggc acagtcgggc agcttggtg ctccattctt tcataggcag gattcctaatt 120
tcctgccact ccccctaaga gcaggacttc cctatgccag cacatgtgcc ccaggtgggg 180
ctgagtacag gtaaccttga gctcagcttg ggccagcttt gaacagtgtc tctgaggtcc 240
ccagagacca aagccagatc gtctgtcccc cacaccttag gtgggcacag gagggccgag 300
cttgtttnta cccactggca gctgctgant caantctggg ntccctgcca tctgtggagt 360
acttttttcc tgttgtgttg aatactggag aaatagaagg ttcaagatag aggcagacct 420
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<210> 7034
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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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 gagattccaa acagggaaaa agaaantcag atgctgctga gtctgctccc tgacagaatt 180
 gggcatggga cattccttag cgcctctgag gcaggggccc tggaccaagt ggacttcgtg 240
 aggcaacacc agatacccct cgaactttgt ttgacctcaa acatcaaaag ccagacagtc 300
 ccttcttnat gatcagcatc actttggatt ttggtacagc attgctcatc cttctgtgat 360
 ctgtactgat ngataaaggt gtttttgca catacctttc tcaagaatat caactggcan 420
 cagaaacatt taatttgacc ccatttcagg tgtgggatct ntcctatgaa tccatcaact 480
 acatctttgc ttgtgacaac a 501

<210> 7035
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 <212> DNA
 <213> Mus musculus

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 <222> (94)..(95)
 <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> (344)..(344)
 <223> n is a, c, g, or t

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 tttactgtgt aaagatgggt acattatttc cttngcttt gtttggtgga gacagatagc 120
 gaatgcttgt taagtatgtc aacataatct ccccttgtga acttttggtta atgtcttata 180
 cgagctctct tttccatttg ccagaaaagg tggcttgtat aacgctttgg aagtttctgc 240
 tccgtccgtc ttagagctga cagtctgtta ggtttgtttt ctcttcatgc taaagtgtcg 300
 gtggttttgt gaactgggtc gaaattcaca gntcttaaag gttnggggga aatttatatt 360
 ggacactgct ctttgtctag caaataaaag atgttaatat attcctgtta ttggcatgtg 420
 cagcactgtt attagaagcc actt 444

<210> 7036
 <211> 302
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ttccacntc 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 gctattttgtg 180
 aggcgaacat tgaggcttgg atgaaggaca agtccgaggt ggaagtggtc gacctgggtcc 240
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<210> 7038
 <211> 393
 <212> DNA
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<220>
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 <222> (326)..(326)
 <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
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 <223> n is a, c, g, or t

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 gccttaaata gcacgaacat attgtgcaca tctttaaatt aatttaactg gcaaaaaaac 180
 aattacattt taaactaaaa ctgagactga gaacagtacc caatctgtct tttaaagctt 240
 ataaaagtga atcggttaca attagcaaaa agaagaaaga agacactgaa tttatgacgt 300
 tttacagtaa tgaagctata ctttgntctt tnttncnag 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 aaagcttttag 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 ttctttttgtg 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
 aggtattttgt aaatttgagg atagattttgt tctgcttgac ttttctaagt tctactactg 180

ggttataatt aaatattgtg tagtattact ctggggtttgg atatgctcat ttgatttcta 240
tag 243

<210> 7041
<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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agaatctgtg aagttattcc gaggcgtgaa gaagatgggc ggggaagagt tcagccggcg 180
ttacctgcag cagctggaga gtgaaataga tgaactctac atccagtata ttaagcacia 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
ccaggggaagc acaaatgagg cgttatacaa gctttacagt gcagcagcaa ccca	534

<210> 7042
 <211> 484
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (71)..(71)
 <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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aggagacctt naaagaacat gatctctatt ctgagataac tggggacagt cattgagctg 120
 gttcagggga caatcaactt gttctctctg ctgctaaaag atcctgtcta tgggggacag 180
 gttgcaggag gctgtgcttt gtgatgggat actgtagctg gattgactag acagtggctc 240
 agagtcccggt ggccacagag caggaggcta cagagcagga agctatncna aggagttagg 300
 ccnttcagaa ggcagcctgg tttctatgan tctcnaggcn aggtggctnc cttggttcta 360
 ttgaaattac agctccacct ctttgatctt gccaaagcaa aatgtatcgc tnataggagt 420
 ggagacaccc cagcccagacc tntaccttca agtgcagggtg ttgctaacag tgctcaattg 480
 agac 484

<210> 7043
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 7043
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 ctgctgtagg taggaactgc tgtttggttt tagttttgta ctttgtggcc tggtttgtaa 120
 ataaaat 127

<210> 7044
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 7044
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 ccgccatctt gggtccagtg ctggaaaacg gtactcacc cagtttgtaa aagctgccaa 120
 gttacttcac tggaatggtc acttcaagcc ttggggaaga actgcttcac atgctgatgt 180
 ttgggaaaag tggatatattc cagacccaac aggaaaattc agtttaaatcc gaagacatat 240
 ggatacctca aacataaagt gaactacaat ttaagctaatt tgcgtcactc aggaaactct 300

ggaagacaca ctatgtggga aggtaacagt tgtagggcctt gagtttctct ataccaacca 360

c 361

<210> 7045
 <211> 525
 <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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 <221> misc_feature
 <222> (347)..(347)
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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gactttgagt gcagatgaca cagcacttca ggggaggggc aggggctcca gacagtaagc 120

ataaggcact taccgcaagc agtggatggc accaactttt aaaggtgact ttattaatca 180

atggtttcac cgctaaatta tattttttaca 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

cctcatttac cagaagacca atgagctgtt aatgagcggg 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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 tcccaaagcc ttgtcctgca gccactgcag tgtgatggaa gcctcaggca cacagtagtc 120
 attggtgata tcaagtcata gtgaacatgc cagtgcagga tgcaccccc ctcacccccg 180
 agtccttaca ggcagatccc tgcaggctat caagagaagt ggtggatgat catctgttag 240
 accagggata gtatacagga cccatctgaa agcatttttt tttcctctca ccactcaaca 300
 aatggacagt ttattcccaa ggacggtgtt ggggagaggc aggcagggcc aggaggntct 360
 tggaggactt tgaacagggtg gaacccatct gtccttcctt atttctcaag ggccacaaat 420
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<210> 7047
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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> (293)..(293)
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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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aaattcatca ggcnttttaaa agaagatatt cttganttta ttaagcaagc acaggctcgt 120

gtactgagcc atcaagatga cacagcnttt gctgaaggca tatattgttg aatggcgga 180

attcttcaca cagtgtgata ttttaccaaa acctttttgt caattagagg tgactctatt 240

gggtaaacaa agcagcaata aaaaatcaaa tatggaagac agtattgttc ganagctcat 300

gcttgatacg tggaatgant cgattttttc anatataaag aacagactcc aggacagtgc 360

aatg 364

<210> 7048

<211> 420

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (60)..(60)

<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> (323)..(323)

<223> n is a, c, g, or t

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<222> (345)..(345)

<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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<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> (380)..(380)

<223> n is a, c, g, or t

<400> 7048

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gaagaagtca accacagata tcctcatgga aacacaagag cagttctatg gcttgcccta 120

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

ctttgtggat nccntcgtt tctgacatga atctggactt tgaaacgttc ttcttgatt 420

<210> 7049

<211> 319

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (293)..(293)

<223> n is a, c, g, or t

<400> 7049

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aggcccacca cacactggca gaactgaaac gccagcgagc ggctgcaaag cttcagcgac 120

ctgcccctga agggcctgag acttttgagc ctggcctgtc tgttgatgct gggacctccc 180

agcctgactg tggtttcagc acaattgggg acccgcccct gctcaagctc actgctccct 240

cggaggaggg gtctgtggag aagaggccgt gttgcttgct catgtgaaat gtngattcct 300

cagtatggca gggttcaac 319

<210> 7050

<211> 503

<212> DNA

<213> Mus musculus

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 <222> (46)..(46)
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 <222> (181)..(181)
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 <222> (311)..(311)
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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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 <223> n is a, c, g, or t

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 cctgaacgaa cttttatact tgaactcaga cactgcatgt ggatatcagt gctggcattt 180
 ntgtgggtata cagaagccag gctggaggct agctggtcag gacagcgagg gtcagtggga 240
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 gcacagcttc tntcctggca cctccccatc cgcagggatg agtcactctg ggtnccgtgc 480
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<210> 7051
 <211> 337
 <212> DNA
 <213> Mus musculus

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 <222> (291)..(291)
 <223> n is a, c, g, or t

<220>
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 <222> (297)..(297)
 <223> n is a, c, g, or t

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 tccctgtggt cagtgtgcc agcatctttg ccaaggtggc ccgagacaag gctgtgaaga 180
 actggcagtt tgtggaaaat ttacaggatc tggactccga ttatggctca ggctatccca 240
 atgatcccaa gaccaaagcc tggctgagga aacatgtgga ccctgtgttt nggcttnccc 300
 cagtttgtac ggttcagttg gagcacagcc caggcca 337

<210> 7052
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 7052
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 aagatgagag gaccctaaac aaggcactcc ccaaaaagct gccttctgaa agggcgggtc 120
 cccaaaagca ggtgcttccc caagagtcag cccccacccc ccaagtgcc cacactatcc 180
 agcagatg 188

<210> 7053
 <211> 533
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (119)..(119)
 <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> (364)..(364)
 <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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 <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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 <223> n is a, c, g, or t

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 acccttnccc aggttaggat aaacacaatg ggcccggaaa ggagctttgt gtccagagac 480
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 gatntcaggg ttcccatggt ggtggtgact gtgggaagag agcagtacta cttcctactt 480
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 aactgtctag agcatttttg aaagcacttg tcttgtgtac gtgcatatta taccgtgaca 240
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 gaagtgtggc ggtggactag tgtaagtggg gtgacacanc aggaggcctc tgtttgnctt 360
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ctagccctga ccctcaacga gcaggaggac ggcgtggcgc ccaccgacag tcgcctgcgg 240

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gacccgctga ctggggagat ggcttgcctg tacaagggcg gctactggga ggccaaggag 480

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cagcaaacag accaaggagt tgtggcagcg ggtctctctg gagataacca ctttctcccc      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
 cagcgggtgga ggaaacctgt ggctttgcag tggagtgaag agcagccagt ggccacagag 360
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 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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 cggttgtcac caagtgtaaa cattatttct gtgagacctg tgcactgcag catttccgaa 180
 ccaactccacg atgctatgtt tgtgagcaac agacccatgg ggttttcaat cctgcgaaag 240
 aactgattgc taaactggag aagtatcgaa aagcagaggg tgggtgcttcc agcaccacag 300
 aagancgccg atgggatcta attgccatta cttagatntc ccataattnt caaatntcaa 360
 agtactttttt gttttgggtca tctcaaacca aagcaatcac agttgaagaa atactaagtt 420
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 ggcattcggc agttcctgct cactaacctg gtnagagggtg ggtggggcgat 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 cccaagact tcatggatgc tntcaccagc 420
 ttcttggctt aagaagtagn tccttgaag agcagccagg ggactntnag gcttgggatn 480
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 gcatccagac cagagacaac ttagaaatgt cagagaacat cctttcggat cctgtggagt 180
 aagagagaga gcactaagcg atagaaccgt gaagccgagc accaggaccg cgcattccact 240
 tgggaaccga gttgagcaaa cagcatgaac tgtttgcagt tgatgcctta cttcctaattg 300
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<210> 7071
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gtacagtttc tggagaaaga cccttcctt acagaaccag ttattagggg gctaatgaaa 180

ttttggccta aaacatgcag tcaaaaagag gtcattgttc tcggggagct ggaagaaatc 240

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nnccaagtnt gtttctancc cccattttca ngntggcaga aaggncactn tattattggn 360

ataatgaata catcatgagt ttgatagaag aaaactcnaa cntcatcctt cccatcatgt 420

tnnnnnnnnn cntttatagg atttcaaaag agcattggaa tccgnccatt gtggcattgg 480

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 gtttccacct caggagcccc ctgntgaact ccatccccaa catccacagt ctaccttgaa 180
 tgaatcttct tacactcagt acatttacan ggtgtgaatg ggaggaagcc agtgagccag 240
 ctgattcagg gtgttggtcc ctttctgtt ctggcaacac ntcttgagaa acaactgagg 300
 tgactncccc tccaacanca ntccaagagg agatacaggc tgtagnntnn tantccttaa 360
 catgcagtga aagggtgctg atgttcaatc attttctgtt caagttttgg ttaaagtttt 420
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 gcagggggacc tttcgtgct acaccagcta cgggggttct gctccgtctg gcttgtgcct 240
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 gcctggggcc tatttattgc cttcctctgc cttttacttt ntcagacacg ggaccagagc 360
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 cttcaaaata cttgacancc ttttccaagg cctggtgtgt gtgtgtgtgt gtgtgtgtgt 480
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 aaaaggggtgg cgctgtgtat tgatggggcca cagcgatttt gcttggacag taaacactta 180
 cttggaaaag aggctactaa gcagagacac ctgcgggttac ttggttacca ggttgttcag 240
 cttccctatc atgagctgga gctgcttaca tcaagacttg agttgggtgga ctatttacia 300
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 ttctcgggtga aaaagatgat atttgtaaga gagacagttt aatctgtgaa ttanccactc 420
 tatggaaatt atgtttacag acttggggtc tgaaaaggggt ctgcgggttt tcttatacca 480
 tgtatatgtg tattgggtggt aaatttggaa ttaatttaat gctagtntct tagatgcctt 540
 caccgcatcg agcaggatta tt 562

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tccnggatgg ggaaaaataa cgtccttatn gtcntgtac nngaccacc gnttgataag 180

aagaacnca ccatcaaggt cacnatgcta attingntaa aaacaagtaa ggatgcggat 240

gaantgcaca aaattttant ncagnaaann ggatgcctga acacatngaa tccacccgga 300

aacttgccna agttcctgnt nttttgntcc ntcccaaac gtaatttttn atccttttan 360

ttntgatacc ctaagcgctt ccaataacaa aaatgtttgt agcacaatta agaccaacaa 420

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 agaagaagaa aaggaaactc cctgaaccgg aagaagaaat tgaggaagta gaagtgagtg 240
 aagaggaagg agaggaccgg gctctggaca gtctgantca ggccatagcg ttccancagn 300
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 agggtcattc aggcctctca agccaccaga ctcatctggg ccactccaac caccagggtc 180
 atccaggtca ctcgagtcac cagagtcacc agggtcagcc aggtcaccca agccaccaga 240

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gccataatct gcccaaccgc agaaacccaa tctatggctc ttgaaaccat gtgtccctnc 300
ccccacagg nctggntntn atacataggc ctntttntn ttctatgggg aaacntannn 360
nnntcaggnt aaganactnc caaccaaatt cctnntgctt nttncccan caganntnca 420
tgagggaagg aggaaaggac gcagcttcaa cagcccaaag gccctgatga cccacgagag 480
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gtatgaggac aaacactggc actactgtga cagctatgac cggaggttct acaccgagat 180
ctgctatggc ctgaagccct caggatatct tcagctcacc aacatggacc caccagaag 240
aattcccctg ggctactatg actgtggaga tggcttctat aaccccacga ccagggtcat 300
caaggattac cggaaccgct ttntgagaaa tgctgatgat gacgaacatg agtggattnt 360
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 actctatcct gcttatgttg gactaggggt gctgccaaagg 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 agagtggtn t cggtgntctc acgatgntnt tcnctggcta ctttatcctg 420
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 tacaacatt gatatgctgg aggaatttgc ttatttaaga acccaagaag gaggggaagat 180
 tcattctggaa ttactcccaa atcaaggaat gctgatcaag caccacacag tcaactcgagg 240

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catcaccaaa ggtgtgaagg aggacttccg cctggccatg gagcgccagg tctcccgtg 300
tggtgagaac ctgatggcgg tactacatcg cttctgcatt aatgagaaga tcttgctcct 360
gcagactctg acctgataga ctccttgGCC accagcggct cagccatgac aagcgctgcc 420
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<212> DNA
<213> Mus musculus

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caagccaggt catcctgcag cgggttcggg cggctgcatt tggtcctgac cagagcctgc 180
tatccccagt acatgtgttg gacctggaac ctcggggcta catcaagcct catgttgaca 240
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<210> 7085
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cttatctaatt ttaaaacagc tgtgtcaaga ttattcaaac gttcaagaga aaggacaaaa 180
gggaacggga aagtatgatt catctagcct tccagctctg ttatttaaag caagaagcat 240
tctgggcgcc gaaaaccacc tgagaacat caactatcag ctggggaagc ttctcgagct 300
ggactgagaa ctgagcctcc tgctgccttt tctgctcctg aagccatgct cctgacagca 360
gcggcctgtg gtgacagtag tgagacctgc ttatcagggt gtactaccgt tttgtcattc 420
aaactaaatt acaccaattc agttgtctaa taactcagaa ggcatagccca ttttttgag 480
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 tggagaaagt acaaggggtg acaggagat agacaggacc ctgtgaatct gacatgggtc 180
 atgtgtggat acagtcagta ctgcgccctg ctaacacatt ggtctttcca ctagtattaa 240
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<212> DNA
 <213> Mus musculus

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 cctccctacc agcggcgtgg ctatgggaag tttctcatcg ctttcagtta tgagctctct 180
 aagctcgaga gtactgtagg ctccccagag aagccactga gtgacctggg caaactcagc 240
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 actttgcggg cttggctggc ccaaaatggt gtgcagctct gcgccattga tgacctggat 180
 tccaaaaggc ctggggaagg ggtccccttg tgaggcaact ctggaacctt tcctggagcc 240
 ttctcactc agacaccgaa ggccagctac aaactgccta aaactatgga ggaaggccaa 300

ggctaaagtt ccagttcagt caggccttgg agcaggggtct gacttcctag agtgaaaagc 360
 cactaaatcc tgtttnccag ntcctctagg ctgagtagtg agtagtagnc cgaccttggg 420
 canccttacc tggctgcagg gaggcccant ctgtgacatc tggacgtaag gacagctgag 480
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 atgcaacagc gtgccacctt gcgaaaagaa cacatcgcg c tattctgttt tgcaagcaga 180
 aaaatttgct ctctccagct aacgcagtat tangttgtat ctggaggtgt tgcaagtaac 240
 ttgtacatcc gaaaagcatt ggaaattgtc gcaaattgcaa cgcagtgac gttgttgtgt 300
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 <212> DNA
 <213> Mus musculus

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 taccatcaaa ccgggactgg ccctaagctt gggagttggc ttatccttta gcttacagct 180
 agtaaatacag tttaaaaang ccnttcatcc cgattcatca catggagggt cacgcactga 240
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 aacctcgccc gaatcctanc tgtntagtga aggccatggn tccatactga tgttgtgntn 180
 atagaaggga ctttgtgccca cccaccnatg agagaccata aaggctgttg ctacccggcc 240
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 aaaggtggat gcccaaggtt tcgctccgga ggacttggtg gtgcggatag acggccagaa 180
 tctgacggtg accggccagc ggnaacacga gtcgaatgac ccgagcaggg gccgctaccg 240
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 ctccttaciaa aacgaaagtg tgaagaatcc ttagantntn ttagcgttnt tcctgcggga 480
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<212> DNA
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 cannnngnncn nnnnnnnnnn nncnnnnnnn nggnanngnn nncnggccat gcaccggacc 180
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 ggagagacct tcctgtgggc ctgtgaacca cccgctgtcc ctacagttgc cctctncagg 120
 gccatgtcgc catgccaaac ccaagggttc agagagcact tgtttctcaa ntttcctgan 180
 cntttttttt tttttttngt ttgtttgtta attgggtttt tttttgtnt tgtttttttt 240
 tttngtatatt 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 tcctggggccc aggagaggga 120
 tgacgaggat attcctactg tgccttcgac gctggggcgag gagctcatgt acaacccttt 180
 cctgaggggtg acagaggatg ca 202

<210> 7097
 <211> 436
 <212> DNA
 <213> Mus musculus

<400> 7097
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 gcagcataaa ctgagagacg aagatctctt tcgtataaag gatcctgtac tgtttgtgtc 120
 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
 tctttaatgt tgccct 436

<210> 7098
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 ttacctcagc tgcccaaggc tttcgagcag tacttgaatc tggaagacag taggctgctg 120
 agtcacctga agacgtgttc tgcagtgccc aaactgcctt acgacctctg gttccaaagg 180
 tgcttcgcgg gatgcctccc cgagtccagt ttacagaggg tctgggataa agtcgtaagt 240
 ggatcctgta agatcctagt ttttgtagcg gtagaaatac tattaacctt taaaataaag 300
 gtcattggcat tgaacagtgc agagaagata acgaagttcc tggaaaanat tcctcaggac 360
 agnctcagat gccatcgtga gcaaggccat cgacttgctg cacaacact gtgggacccc 420
 agtgcattcg gcctgacagn tngtgactac atgggcagtn tgcaggccct ccctgagcac 480
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 aaatgtaact accaccct 559

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<210> 7100
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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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 gctgcctgtt gcctctcccc ttccgtctag caatggccac aggtttcggg accagctggg 180
 tcactctcaa agatgaggcc cacatgaacc tgctgggata ccacgaacac atatngacc 240
 tnancacagg gantgancng gntttgaatt cagagaaaat ngaggnnntc tagacnagag 300
 ggggtggggtg cttggtatcc ncacacgaan caatggaatg gagacattga agctnttcct 360
 ggaggtcact cagggcaccn ctntccaggg cacagccagg agacctgtgt tctagcacca 420
 atgctgattg tcactaatt 439

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caacttcacc ttctggaaat attttggaaat attcagccta cttggctatc cgcacagcac	180
agatgcaaga taatccaagc caacttgtat tcatgaggat ctactgtggg cttaaaacct	240
catgtacagt gactgctggg cagcttgcaa atgcncatat tgattacaca tccagaccgc	300
ccattgtggt cagaatatcc gcaaagaatg aaaagggtc tggaccagcc acacaagtcc	360
gatggcttca aggtaacagt aagaaagctc ctttgagttg agttgttttt tattaaagct	420
gttgtgatag ttatttatta gtaactgggt atgaacatct gttctttgag agtattctct	480
gactgtattt ctagcagtta tgaatttgag tttgtaagtt gttcttaaaa tgtatttgct	540
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<210> 7102

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<212> DNA

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 catccagaaa ggggtgggtgc tgcacggctt cccaagagac ctggaccagg cccggatgct 120
 gaactccatg ggctacaatc ccaacagggt cttcttccn ngntnncnc tggattccat 180
 tctggagcgg ntgacgctga gaaggacaga ccctgtcaca ggagaaaggt tccacctcat 240

gtanaagccc cntccacca tagaggcca 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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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 accatcaaataa aaattatgag 120
 atatTTTTTct cgcTcctgaa ctggagaatg aatccaacac cggatttgca agccccgccca 180
 taccttaaag agaaatgtga agacgtttgg gtgggaatgc catcacctat tcctgtgaaa 240
 tacgttagat acttagactt tttgattgat gtatatggct tagaggacaa catgctatga 300
 nggttttgat caactntctt tgatttactg ttctcattat nccatgttta ttttaataaaa 360
 tataatttca tttaaaacaa acaaaaaata agaaacaagg tttgtattaa atggaaattc 420
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 gtgggtccatc ccctcccagg cttctaactc catgttcaaa actagatgtc actgtatgtc 120
 atgtgttaga gattgcaggc cttgagggac tagagatgga catgatgggt cagcatccta 180
 cctcttcctc ctgggagtgc acacttgtaa ggcagctggg taatcttgcc agagcagtga 240
 ccaaaaaaat gtcacctttg aatgcatgga aactntcaaa gtgttttctc agagtagctt 300
 cttgtgccc cggaggngctg cctgcagcat gggagtttag atc 343

<210> 7106
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 tacagttggt gcagagtaac gcgctcacct gccatgtgtg tgaggcgcag aacagctatg 120
 cctgctcgaa tccgtcccag tgccctggag aaaagaaatt ctgtttgttg gccgtcacac 180
 gaatTTTTga acgtttcttc tatgtgtcga aacagtgcac ccgaagggtgt ccaacccccg 240
 tagtcagccc gcctagcact aatccaccat ctgngcctaa ggagtttntn atagaaaaac 300
 ccatnccctt cntatTTTtat aantgctntc aatggganc c atntaatggt gagggncac 360
 ccaactgacca gntctTaaag gaacaacctg ggaaagccag tgggagaaga catagataca 420
 ttgagctgtt actgactggc ttcatgntcc ttactgctaa tggcctntca nccntntgcc 480
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<210> 7107

<211> 588
 <212> DNA
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 acatttcccc ataacctttt gctgatgtgg ttcaatttat ttctctcagt catgaaaatt 180
 atttatttat ttatttat ttatttat gtttgtttat ttatttat attacttggt 240
 agtcaccagc tgccaagtat ttgcattagt ctgggtggaga ctttgagagg actgtgcttt 300
 tctgttcccc tccccagaa aagaaggcng gttgggttgt tggtttgaac cacctctctt 360
 cccacntgct gtttccctca ccatggctta cttnngggga ggggagggct tntaccagct 420
 gattcccttg ttgtacacna gatggctaga cttttttgta tattagtgtg ttttaagtta 480
 ttgatttggt ttatatgaaa taatttat ttccaggtacc atttttttt tcattttaac 540
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<210> 7108
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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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 gtgtgaatat tttttntcaa tggctttctc aaagagaatg aaacttttgc accattttca 120
 gagtttttat agagatncca aattgatata tttacatgta atggaaacat aaaaaaagtt 180

ttattaaaca attgttcatn nctgtntaga cattttaatt cagcttccna agctnttcaa 240
 antcgtntttt tggagatgcg ggggtgttaac tgacgattcc naaccantca gttgtctgaa 300
 gactcgggttc cttc 314

<210> 7109
 <211> 362
 <212> DNA
 <213> Mus musculus

<400> 7109
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 agcaagaaat gggaaatgtaa tgagtgtttg cctgcttcaa ccacgagtta ggctggaagg 120
 atggctctgct 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 agggcgggttc 360
 ct 362

<210> 7110
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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> (200)..(200)
 <223> n is a, c, g, or t

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 gagaggctcc tgaccctgcc cgtgtgggtg agaacccccg catcaaggct gggaaaacca 120
 agatcgtgct gcttttcccg ctggacaagc ggcanagct ggccgaggca gcggcggggc 180
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aaaccaatg caagacatta agacagccaa ccaggacctg gaaaccacta agaaacttca 240

ggaggagtta aggaaactga aagtggagat gaccttgaac anagaccatc catttcntc 300

tttcantgga aacctttcac ttcaccacc agcatcacan cctcaaaata tattttttaa 360

cacgaantcc taggaaggca gcgctntcag caggagtgc aagtaccttc cacacgagga 420

gctgctntcc cccatgtgtg tggggactgg cctggatgac aantncgcgg gtaantcgcg 480

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 anccactcat atgtgtgaac ccatttcaca tngaagtcan gagggcagcc ataggantca 300
 cntntcntnt ggggtgatggg agtggaaacgc aggccataag gcttggtggc aagtaaacc 360
 atgantnatn tcaactgnttc cggaaccan tctgtagnct aggnccatgc cagtntcatg 420
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 ctcggtgcca gcagcagccc gagctgggcc caccacagct gaggaggtca tggaataccg 180
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 agaanccttg aagacctcca gccagaaaac cagggaaccc gagagcaagg ggaacagctg 420
 acagctgcgg gagtttgggg ggaggggagg ggcgggacgg ggcctcctgg agctttgcct 480
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cggaagagac tgtacggatg tgaaggtcgc cctgcgtcag gagttgtgca acatggaaga 300
gattcttgaa tatcagaaca ctaccttggt cggcggagac tgtatatcca tgattgatta 360
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 gtgtagcctg cttcatctga ntatgtgccg agtggaagaa tgggtgttgg gnccaanccc 240
 ctcaagtctt tgaacctgga natgtntttg ctcaattttg agtttcacct agcttagggt 300
 ccacactgnn agacccttag taaatgnttt nccctntntn ttgctcancc antagtntnt 360
 gacacacgnt tnttntcttg agcagaggat gctgatntga acctnttcac aggatntgaa 420
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 acatggcccc aaacaagttc tccccntcca ccctgaggaa ttctggtgct tcagcactgg 180

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ctcctgaaga attggggaaa cttcccagaa ggttgtcagc ctctctccgg caggagcttt    240
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 gctcctgtag cccctttaca agtccggttt actcctcang cagagatgga tctgaggaag 180
 ctcaattcag gagatgctag tcagccgtca ttttaagtact tccactccgc agaggaagcc 240
 aagcgtgcca ttgangnctg tgctgtcagc agatcctcgg tctgtgtacc nccggaanct 300
 cntgcngagg accncctttt nttcttcact gtggacacan cacatntcac ctnttggttt 360
 ggtgatggct tcgcagaggt tgtgaggatt aaactggctt ctgagtctgt tncaggtggc 420
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 cactctgggc tccagaagca ggcaggtacc cgagtctatg ctaggacctt aagcaccata 180
 aattaataat ttatacctaa ttatgtaagt tgccttgcta aagtgcagag tgttttgcac 240
 tttcgatcgc ttgttttcct gtttaagtat aaacatctcc tgcctagagt tctaaatgtt 300
 aagtccttgc tgacagtact tgttagattt catactagga acaacactgg gtagtgtacc 360

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 atatacgacg cgagcccctt ttctttcttac ccgttgcagg ctgagaagat gagtcctcac 180
 agaagggcac gtatggcccg tctgccccag cagggccctt tccggcacct tatggacatg 240


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aaggcagaga agaggctggc ggggtggaag gaacgccgta gccgctttgg tgacatcaac 300
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gagatgcgaa ggctggtgct gcccagagan ttgcccatga gtnttcacag gcggagaata 420
aacccttnat cntnggtga catgaacntc caggattcac ccctntntcc agagctgaca 480
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 gcaagggctt ctgaaacttc aaagcccacc cccagtgaca cacctcttcc aacaaagcca 180
 cacctcctga tccttttctaa 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
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 aagcagagcc cccacggtgc atgagatgcc aaaagtatit tatccatctt caaataagtt 180
 ttccagacaa cacgcagctt ttggaatggt ccagagtcac aatattaatg tcaccctgga 240
 gaagagctta gtgaccgggc ctgacaatca catcacccac tatgaccgtt tgaactttca 300
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 <213> Mus musculus

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 ccgagaagtc cttccaaaac aagggcagtt gtctgtggaa gatgtaacca caatggtgct 120
 gtgtaaacct aagctcttgc ccttaaaatc tctgacgtg 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>
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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

<220>
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 <222> (369)..(369)
 <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> (454)..(454)
 <223> n is a, c, g, or t

<400> 7125
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 atggttgccg ccatggctga taagaggatt cactttggcg tcggagtcac gctaggtttt 120
 attttcgtgg taggtgggca taacggtgtc tcacatttgt caagcattga aagatatgat 180
 cctcatcaaa atcagtggac tgtgtgtaga ccaatgaaag agcccaggac aggagttggt 240
 gctgcagtaa tcgataacta cctgtatgta gtcggtgggc actcagggtc ttcctatctg 300
 aacacagtac agaaatacga ccctatctca gatacatggn ctggattcag caggcatgat 360
 atactntcnc tgcaattttg gattaactgc actttgacaa gtgtgaactt gtggaaatcn 420
 cacaaggagg tactacagga aagagtgcc agtntcctga acctgacagc tagctgcact 480
 gctttctttg taacgtaaag tgacatgaag actcagtttt gttgggtact t 531

<210> 7126
 <211> 475
 <212> DNA

<213> Mus musculus

<400> 7126

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aatcaatTTT gagaaataat tctttttcca ctcatgcact gaagtttttg agccccagag      120
aacctttcca cattagacac tccaagtaca ctttgagggc cgcacattat atccacatcc      180
cggTgcactt cagaccagag gcagtgggca gatttgaagc tttacttgtg atccaaacag      240
atgaaggcaa gagtattgct attcgactaa tcggtgaatc ccttgaaaaa agttaactag      300
aatacatatt gtgtaaatga cctgcttata ttttggcaat ctcatTTTTc tacacaaaaa      360
ttatgctgtt gtatatatTT tgtacgataa attcaatgtg tataaattat agatttgttt      420
tataaagaat ttattttctga agccctcact aaatatcatg tacctagctc acagt          475
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<210> 7127

<211> 230

<212> DNA

<213> Mus musculus

<400> 7127

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atTTtatTTTT gtacaagctt cagatcccaa catcaaccac caaacttgat cttccctttc      120
ccgagagtgt ggggggtggg gagccaacag caccggctcc ccagagtggg gaggcaagta      180
ggcggctgcc atggtccagg cgccatttgg aattactgac ttctaagatt          230
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<210> 7128

<211> 472

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

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<223> n is a, c, g, or t

<400> 7128

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agTTTTtgtt cttacatatc acccagtga aTgaaacaaa tgagtagaag agcttagacc      120
tactgattcc tacagcagtt actTTTTgtt tttgaaaggt gaggtctaac aatgtagcct      180
tggtgacat ggactcgcta tgtagatcaa gctaacctta aacttacaaa gttgctcctg      240
cgtctgcctg gaatgaacgt atgcaccacc actaccagct gcggttgact ttgtaacacc      300
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ggttttccca agaactctca aatacaagta ccataggttt gcagtctttt acatttaaga 360
 actatnttga 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
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 aagctccgag actgtaggcc atgcatcagt ggctaaaacc actctgaaat ccactacctt 120
 gtttcgagga a 131

<210> 7130
 <211> 184
 <212> DNA
 <213> Mus musculus

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 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
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 <222> (70)..(70)
 <223> n is a, c, g, or t

<400> 7130
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 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>
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 <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

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 tcaccttcat tgcggctctg gagcactgcc gggagaatgc ccacgacaaa atccggccca 120
 tctccagtat cgagcaggtg cagagctaca tggaacacta ctgcaataac tccaccacc 180
 ggcggattct gatcatgttc atggacatct gctccgagct cagcaagctc tgtcagcact 240
 ttgaggccct gcaactctggc acccctgtca ccaacagcct tctcgagaaa tgtaaaaccc 300
 tggtcagcca aagcaatgac ttgagcagcc tcagagccaa gtatccgcac gaagtgggta 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

<220>
 <221> misc_feature
 <222> (300)..(302)
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<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

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 <221> misc_feature
 <222> (315)..(316)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (318)..(321)
 <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> (488)..(488)
 <223> n is a, c, g, or t

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 accagaaaag ctgacacgga atgaaccctg caacatttcc atcgacagcag agttcattgc 120
 ccaggtgaaa gggatttcag tggaagaagt ccgagaagtg acgacgcgga atgcattcag 180
 actgtttccc aagctgcaga gcctgcttca gaaagagctt caaagtcacc ccttgaagc 240
 caagtcagcc cagggcagcg ctggggaaaag caagggcttg ctttagtggc ctcagagaan 300
 nnagnnnnncn tnncnntnnn ncatggctag cagtcacagt ttacagaaa 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>
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<222> (112)..(112)
<223> n is a, c, g, or t

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ttggacgctg acaaaatatg cagagtgacc gcggagatgc tgctgcagaa tnccgtgaag 120
tttaattcttg cagagtttca ggaagtgtgg cagcagagtg ttcccaggagg aatgacgact 180
cggcttgatc agctcaaggg tttagcactg gttgacagaa actcaagacc agaaatcata 240
tttttgctca aagtagatga ttgacctgag 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
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ttactgggtg gactcgcagc agaagcggta tgtacctgtg aaaggggacc acgtgattgg 120
catagtgatc gctaaatctg gagatatatt caaagttgat gttggaggga gtgagccagc 180
gtctttgtct tacctggcat ttgaaggggc aactaaaaga aacagaccaa atgtgcaggt 240
tgagatctc 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

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 ttgctgtcat cctcctggat tgggttggtg tcatatttnt ggtaacagac tcttcttaaa 120
 gtgctaaata atatttaaaa cttttctcaa aagaagattt taggtcttct gtgaataagc 180
 atttactata ttgcaaatac ttgtaataata 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
 ttgctgtggtt ttggaagata caggagtctt ggttttttgg a 221

<210> 7138
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 <212> DNA
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 <222> (331)..(331)

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<222> (382)..(382)

<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> (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

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<222> (444)..(444)

<223> n is a, c, g, or t

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<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

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gaacagaagg tgctggatca agagcaaggg actcaggaag ccctgctgga gagtgaatg 120

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agagaggagg atcccttagg tggcttcacc attgatgacg taaaatcagc cctggagcga      180
gtgacggatg aggttttgat tagcatgcag aaagagataa gtgaaaaact ccaagtacag      240
gaagaggcct ttaacgcacg aatagagaaa ctgaagaaag cctgaagacg cggtagaagc      300
aaagtgatgc tcaacttcag agaaacaaac naaacccggcc agtacaatag tgtctctaga      360
gcgctgggtc acttccatgc antccgagaa aggnaaaccc anttccggtt atccggantg      420
antggcagca cgttntccn ccntcccat cccacacca cntntgagtt tatagtgtaa      480
gagcattgct ttgtgtgtat aatcttggag agttatatac gaaaatacaa ttactattag      540
gatgctgttt tgac                                                         554

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<210> 7139
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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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<220>
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<222> (369)..(369)
<223> n is a, c, g, or t

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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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<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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<220>
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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> (427)..(427)
<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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<221> misc_feature
<222> (438)..(438)
<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> (479)..(479)
<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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<222> (515)..(515)
<223> n is a, c, g, or t

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<222> (527)..(527)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (530)..(530)
 <223> n is a, c, g, or t

<220>
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 <222> (532)..(532)
 <223> n is a, c, g, or t

<400> 7139
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 agtttatggc ctggcagcat acagctattc aggtgcccac gagcaagatc ctgtggatta 120
 agttgataat cccaatgatc acgggtgagg aggttccac tgagagatta gagaagacac 180
 tggatgaggt gaagagaaac ctacagcaat ttgaggagaa gtttctgcag gacaagatgt 240
 tcatcactgg ggaccatata tcaactggctg acttggtggc gctggtagaa atgatgcagc 300
 caatggggag taatcacaat gtctttgtca gctctaagct tgcagaatgg cgaatgcnng 360
 tggagttanc catcggnntnt gncntntnn tgggaggnntn catgaaagac tggatgaagtt 420
 accaaantgg gactnttnga cantagaccc tacgatcaag atgaggattt gtgactttnt 480
 gcagaagttt aagtgatcca agagagcatt ngttntacag gggccancn tntttgcctt 540
 ttgagcctct ttcctaggg 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
 gcaagtgcac 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 agtctcacc ttagttcgat gaaattccct acaactcctn tcaaagcact 300
 ctacctgggt ccggaca 317

<210> 7142
 <211> 458
 <212> DNA
 <213> Mus musculus

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 <222> (200)..(200)
 <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>
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 <222> (433)..(433)
 <223> n is a, c, g, or t

<400> 7142
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 tgccccaact cattctgtaa ggaacaccaa gatgggactg ctttccgttc caccaggat 120
 gggcagtcct actgctgtga gcatgacttg agggcagact cttcaagtag caccaagact 180
 gagaaacctt ttccagaatn actgaagtca aaaggaaaga ggaagaaaag gcggtgctgg 240
 cgaaggggtca cagatggcaa atagcgcttg gtcagatcct ggggtggtgt ggggcagcca 300
 gccctgcaga cagtgggaag gcaagcacgg caccaccccc aaggaccag ctcctagcgc 360

tgtgtatagg cctgcttggg tgggaggcag ctctccac cactgagcca tcctcnagca 420
 gntgcgctgc gtntgactg atgcctgtca gctgcagg 458

<210> 7143
 <211> 538
 <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> (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>
 <221> misc_feature
 <222> (381)..(381)
 <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>
 <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


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ttggctgagt gggaagcaaa ctccctcatc tgtcctgtgt gtataaagta caacctgaga 240
ataatgaaca gtgtgggtcac 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

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<210> 7144
<211> 462
<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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tcacctgcca aagctcttca tcatgggctg catgaagtca aaggaaacgt tcccatttcc 180
taccacattg gacattgaca agctgcatga gagtgaggag gcctttattc cagatgacag 240
cagtcaatat aggacacctt ctccagggtga acaacagcaa gtccaggaag taaagaaact 300
cccagagccc ggtgctgtga tcggtgccct gatccttgaa ttcgcagacc gtntggccag 360
tgaaattgtg gaggatgcct tgcagcagtg ggcatgtgaa aacatccagt actacaacat 420
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<210> 7145
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<400> 7145

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gtgcgggtcca 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

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<223> n is a, c, g, or t

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<223> 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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<221> misc_feature

<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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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 ttctgcccga gtccagctctg ttgcttactg gaggganatg atgggaggat caggttgtgg 120
 gatgtgancn gtaagatgga gaagctncag aaganccctg cgaggcacat ccacaggaag 180
 aaagcaaaga gggcagcgtn cccacncag ggtggaaant ccagancccc agganccgag 240
 gatgaggggc atgcaaagat tntgccaaag ntcgatattg aacacggaga aaaagtgaac 300
 tggcttttaa gtacaaaaat taaaggaac aaaagcatat tagtggctga tcaaacgagt 360
 tgtgt 365

<210> 7148
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 7148
 gagggagcac gtgggcacgg accatctggg gaacaaatac tactacgtcg ccgagtacaa 60

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gaactggaga gggcagacta ttcgagagaa aaggattgta gaagcagcga acagaaaaga 120
ggtagactat gaagcaggag acatcccaac cgagtgggaa gcatggatta gaagaacaag 180
gaagactcca cccactatgg aggaaatact aaa 213

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<210> 7149
<211> 424
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<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> (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 cccacagaa catcttcaac agcgccgttt ggaccagatg tcaaccaata 180

tacaggctct aatgaaggag catgcagagt cctatcccta cagggatgaa gntggcacca 240

aacctgtnt nnnatgagt atgcctcaca gcctggcctt ganttgcnan ggatgccag 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>

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<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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gcgagactgt tctagtgtgc ccagatgcac agggtcctgg agcacaaggg ccagcagaac      60
ccaaagtcag ggctgcttgt ggccaagcag gccagagtag tcatgggtgt ggctggggcn      120
tgcagcttac tcagggacag tgggccatct ggaggggtcac ctcatagcag ggaagcaaga      180
ccagaaccaa cccaagggcc cccgagaaca cagaagggca annntgggtg ctggtcattg      240
gctaagattc tggtgatacc caccactctt aagaggatat accctgttct aggctgggtcg      300
ccatgacgtc tggggctcca tgactatgcc tagcacctgt cctg                        344

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<210> 7151
<211> 433
<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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<220>
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<222> (129)..(129)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

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<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

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<400> 7151
aaaagctggc atctgacccg gctctgcatc gtaaactggc ccgcctgtcc gcaggctctt      60
tcgcccgcct tgtggaactc ttctctagcc gggaaagcag ctctcccca aattgctcca      120
gcccgtnntn gccgtgcccg gggcccnac cgccatcccc ggatcctctg gcacgcctgg      180
cactagccat ggaattgagc cggcgtgtgg ctgggcttgg gggtcacctg gccaacctca      240
gtgttgagca tgtacacagc ttctgcctt ggggtccaggc ccatggggga tgggcaggca      300
tcctngcctn cctcacctgt ggacttgaac ttgcccttgg actgaacgtt tcctctgacc      360

```

cagcatagat gactgaaata tgacgacaca cacatcaggg ctgtaggggtg gtggttgccc 420

tacctttttt atg 433

<210> 7152
 <211> 333
 <212> DNA
 <213> Mus musculus

<220>
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 <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
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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> (255)..(255)
 <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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 <223> n is a, c, g, or t

<220>
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 <223> n is a, c, g, or t

<400> 7152

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tcgccagact tctcgtatc aggaaagagt tgcttttgcc gaagagatta agatggcgag      60
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

```

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<210> 7153
<211> 425
<212> DNA
<213> Mus musculus

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<220>
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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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<220>
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<222> (71)..(71)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (140)..(140)
<223> n is a, c, g, or t

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<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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<400> 7153
gggttggaac ctcacgcaac gtcttgacat tggtacaac atggcgggcc tanggctcta      60

```



```

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

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<210> 7154
<211> 344
<212> DNA
<213> Mus musculus

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<220>
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<222> (102)..(102)
<223> n is a, c, g, or t

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<220>
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<222> (107)..(107)
<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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<220>
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<222> (176)..(176)
<223> n is a, c, g, or t

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<220>
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<222> (214)..(214)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

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<400> 7154
gataccattg gatcacgga ccttgcta atcatggaagga gccacacaag cggactggca      60
gcaccgagtg cccaaggaat accactccag acaaccgaga gntaaanctt aacctttcgg      120
accgtttatc cagacccaag aggagcccct cggtgacact tntacagagt taccantgag      180

```

```

gggaggggcta tgcacctaac agccccctccc catntcccgc aagcacttcc gtgatgtggc 240
tgttcagaaa gcgtgggtgtt tgcttntcag gttctactcc tcctgaatga gagctgccag 300
cacgtcacct tgtcaacatg tctactacag gaacacttac ttg 344

```

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<210> 7155
<211> 471
<212> DNA
<213> Mus musculus

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<400> 7155
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gttaagtgat tgctcatttg caaaaaagta atatTTTTTTT aaagcccatt tactatgagt 120
tgagaaattg ttatatTTTgG aacaggttat attggaaatt tgactTTTTTt aaactcaaat 180
tgcccagcaa atcatcccct cagtttgaat gcacaggtgt gttaatctct gcaagtagtt 240
cccagcaggg gctgggtgag gaatatctat cttataccct gctcaacagc accattgctt 300
ggaacttgaa ccactTTTaaa gttagatact aaggaaactt agtatctcag gtcttagtag 360
catagatact aagaaacttg aattgctggt catctTTTTt cTTTTctTTt tcctctttgt 420
gtatcactaa acgactagtt tctcttccgt ttgttggttc ccattgtgta t 471

```

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<210> 7156
<211> 466
<212> DNA
<213> Mus musculus

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<220>
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<222> (46)..(46)
<223> n is a, c, g, or t

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<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

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<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

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<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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<220>
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 <222> (407)..(407)
 <223> n is a, c, g, or t

<400> 7156
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 gtcgccagct gacgaggaag agcccagacc 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
 ggttgtttta ctagagaaaa agtattacgt tttgcatatc tgattc 466

<210> 7157
 <211> 461
 <212> DNA
 <213> Mus musculus

<400> 7157
 acaccaggag ctcttttttg cagtctgtgc caagtcaagc agagaccaac ctcaggttgc 60
 tgactaagtc ctggtggcaa aaggcttcgg tgccagagtc caggagaaaag tgctgtgtgc 120
 acttgactga ggccagtttc catacaaagc aaacagctaa agaagtgctt ttttcagga 180
 caattctgga agaaataaaa aattcaagct ggtaagctta attttgtgcc atttctttta 240
 aagagtaa at 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
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 gccctgtcat ctcttcagta ctgtggaaga gcctggggct gctgagcatc tggagtctgg 120
 atcagatgtg tgccttaata tttggtaggc actccagtta gtgaactggc ctgcaagcat 180

```

ggcaggatgt ggctttgtat atttgaggaa gactttccaa cagtcaaattg tgaaatttga      240
gactttctat tacccagtga ctgacctttt ggtaagtctt gagaggggtgg aaagaaaaag      300
caggcttcaa ctttgtggtc agcactacat gcaggtattg aatacttcta aaaatgtgaa      360
attcaacagg gaagaagtgg tttctacagt attccttgct                               400

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<210> 7159
<211> 508
<212> DNA
<213> Mus musculus

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<220>
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<222> (145)..(145)
<223> n is a, c, g, or t

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<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

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<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

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<220>
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<222> (339)..(340)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (344)..(344)
<223> n is a, c, g, or t

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<220>
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<222> (346)..(347)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (352)..(352)
 <223> n is a, c, g, or t

<220>
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 <222> (355)..(357)
 <223> n is a, c, g, or t

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 <222> (360)..(361)
 <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> (417)..(417)
 <223> n is a, c, g, or t

<400> 7159
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 aggaaggggt tgctctcccg gtgtatgtga tttgcaaact gggaaacgac tcccagaaag 120
 ctgtgaaggt cctgcagtcc ttaanggcag tgccggagtt agactcttta actgttcagg 180
 acatcgtggg gggactcatg gcctgggcn ccaaaattga tgggacattt ccacagtact 240
 gagaggacag catgtgattc gtgtggatga cggttgtgat acctgaagaa tctattcgag 300
 ntttcaaaa taatgtaggg aagagcctgg attcacggnn tncngnntnn anaannngan 360
 nccncccccc ccccccccc caaggagctt tttgagaaaa gaggatagca ttgcctntga 420
 gagctacttt tgggcacttg tgcagcacct tcaacatgtg acttggtacg acaggatattt 480
 ttgtttccca cccggtcaga ttaaactg 508

<210> 7160
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (300)..(300)
 <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> 7160

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aaaacatgcg agtcccacat ttccttcatg atcacagccg gtacatggag cacttagaga      60
ggatcatgga ggtgaacgag ctgacagacg ctgagctgaa aaacctcatc taagcagcag      120
agccggctct tcatggctgt tagcagctag ggcacccagc acctgcagaa ctagaggaga      180
gcagctgacc ttcgcttggt gaagaccagc tctcaggatc cagctgaaat tctaggttcc      240
atgtagacct gaaactatct tcctagaaca tttctataga cttcggtgtg aagtcacttn      300
tcttttcatt cagatctctc cagagacaaa tgaaganttc gctgctggtg acaccacgat      360
gagctgtgaa cttgggcacc aaggccagct ctggattgga                          400

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<210> 7161

<211> 167

<212> DNA

<213> Mus musculus

<400> 7161

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gagcctgctg gtcagagctt agcatcatcg catgtctttc cttctgccca ttgcctgaaa      60
cgaagttgaa atacgaagaa ggtggacacc tccgatcatg tgctgcacgg gtgtccttta      120
cagacttacc tcactttttt gttaacttgc ctgttgccgc aatgttt                          167

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<210> 7162

<211> 276

<212> DNA

<213> Mus musculus

<400> 7162

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aagcgcctgg ccaaagtccc atggacggtc gacgaggccg aagacctgga aaagagctgg      60
cttctgtttg cagatatcta ttgccaaaggc ggcaagtctg acctggcctt ggagctactg      120
cgccgatgcc tgcagtataa caagtcttgc tgccgggcct atgagtacat gggcttcacg      180
atggagaaaag agcagtcata caaggatgca gcaaccaact acgagctggc ctggaagtac      240
agtcacacagg ccaaccccg c atttggtttc aaactg                          276

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<210> 7163

<211> 412

<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> (348)..(348)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (357)..(357)
 <223> n is a, c, g, or t

<400> 7163
 aagttattac agtgcacctta tgataaaaat caccagatca gggcctgcag gtttccttat 60
 catcttatca agtgcagaaa gaatcatcct gatgtcgcaa acaaattggc tacttgtccc 120
 ttcaatgctc ggcacacaggt tccccgggct gagatcagtc atcacatctc gagctgtgat 180
 gacaagagct gtattgagca ggatgtggct aaccaaacca ggaaccttgg acaagagact 240
 ctggctgaga gcacatggca gtgccctcct tgtgatgaag actgggataa agatttgtgg 300
 gaacagacta gcacccatt tgtctggggc acagccagtt tctntggnc aacaacantcc 360
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tgatggatct gatgaacgac ctggcctggt ccacattcct cataggtggt atattctttg 180
ctcttgaagc aagacgagaa ttgccagtgc cctacttaac tggatatgatc ctcatgggtg 240
ttacggcatt tataagtatc attgacctgt gtcttcagag gagacaattt aaaancagga 300
agnttcgaaa ntttatntta cttacccag acaggaaann caagaancan gacccgaaan 360
tccttttaaat 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

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ttggaaaata tgcttgtagc gggtcttcta gtaaaagata tttatgataa agacaattat 120
gaactggatg aagacacaga ctaaaaagga ccatttcaga agcaatggga taacacagca 180
ttagatagtc atgctgctag atctttacag gaaaacattt taagtttact ctttctgttc 240
tgagttttgt agcaatgtac ccacactggg tattaccatg taaataatct gtgtgtgaaa 300
gttgccatta ttctatgtag tggttttagg atacttaaca aatacatcaa attctttttt 360
attattatntt atttgattag gtatgtttgt aactttttac attacaaata agaagagaat 420
gtgccatgta taagtttttc ttgttgact gctctgctgt tgcaaagctc cctgcagagg 480
gcgggcttta tgcgttcctg accagatggt tgtgtatggg tagcactact caagtttaga 540
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 gcaggaagca cagcagtcac tcagagtttg ccaggttctc cagaaggaat gaagacgagg 180
 caaagtgggg gaaaggcttc gccnaggaca gaggggaagaa 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
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 cagctcatcg aaaagaggga accaggaagt gggacggaaa gcgatacttc tccagacttc 120
 cacaatcagg aaaacgagcc tgcgcaggag gaccccgagg acctagacgg ctccgtccag 180
 ggagtgaaac cttagaaagc cgctcttccc acctctcag gaagccacca cagcagccac 240
 aaaaaacgga agaataaaaa ccggcacaga atgaatgtct cccccaaac tggctggcac 300

cagctccatc tgtgacaccc ccgcccccat cgagaagtgc acacacctct gattctgtgt 360
 taagctgaaa gtagaaccca aggtccattg cagatggagg ctgtaaatac ctgccattct 420
 cttgttttgt tttgtgttgt attgtttttt tattgttgct tttaccatct gattttcttt 480
 tgggacattt tgtgatgcct gtaccttctt 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
 aaaaatatcc 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 ccagaaattt 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

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 attgtctttg cttctgataa tgaaagtga acggaagaga catccactca ggagcaaagc 120
 tgtccagaaa aggagctgat gaaagaatct gtgagtaa atcgctgggaa gctgtttgac 180
 agcagtgatg atgaagactc agattccaag gaggacagca ccaggttcag cattaaacct 240

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cagtttgagg gcagagctgg ccagaagctt atggatctgc agtctcagtt tggaagtgat   300
gagagattcc gcatggactc tagattttta gagagtgaca gtgaggacga aaagaaagag   360
ctaaatgaag ataaagtga tgaagacgag cttgctgcag aaaaaaagaa aaccctgaat   420
gttgtgcaaa gtgttttgaa catcaatgtg aacaaccgca cgaacaaagg atcagtggct   480
gctaagaaat ttaaggatat cgtacattat gaccaaca                               519

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<210> 7171
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<213> Mus musculus

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ccgggactct ctacaacaga tgtggagggc aacagtcagc ccaggccgct tctgagaatc   180
caggcaacag ggcagtcctg gcttgcatag gcactgcctc gtgatgaact t           231

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<210> 7172
<211> 401
<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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<220>
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<223> n is a, c, g, or t

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aagagtatga caattacatc caggagaacc tcaaganagc ggccatgaag agactntctg   180
acgaagaaag ggaggcagtt ctgcagggac tgaagaagaa ctgggaagag gtgcacaaag   240
agttccaatc cctctcggtc ttcatlgatt ctgtaccaa gaagattcgc aagcagaagc   300
tggaaaaaga gatgaagcag ctggaacacg acatcagtgt cattgagaag cacaagatca   360
tctacatcgc taacaagtga gccaaactgt gcaggacaga a                       401

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<210> 7173
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 <223> n is a, c, g, or t

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 atctgtgggc ttctaagaaa tcgctgtata agaaccacgc tcaccttgcg caacagcagg 120
 atccctggag tcggctcagc tcaacccccca cagccacgtc cagaagtcga gacacctttt 180
 ttgattctaa gataccaaag gatgacctgg acttccgctt agcaaccttg tataaccacc 240
 aactggggc attcaagaac aaaactgaga tattgtttaca ccaggagacc attgaggata 300
 tccaggaac caagatccag tttcctggag aatgtttcca cgntccttca gccccatta 360
 nttcccgac caccatcagg cantggatca accctaagaa agagtccatc catagcattc 420

agggatccat agtgtntcct cacactgcgg ccaccaatgg aggttantcc cggaataatg 480
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<210> 7174
 <211> 494
 <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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 accccaattg gaaacacatt tctgcaagc atgcagaaag tgtggagaca gagggggacg 120
 gtgaagacct ggcctcttc cattcgtttg aggaattact ccttgaggcc catggtgact 180
 atggattgcy gaatgattat cacatgaacc tgggccaatt cctggagttt ctgagaaaac 240
 acaagagtga gcatgttttt cagatattat ttggtattga aagcaaaagc tcagantcct 300
 agaaccctat taagatntct acgcttgtaa ccgcattaag tatttatgtt actaagacca 360
 aaataaaaag gctaatagaca atatagaatt ntgggtgaaa aacctagctc tagaatttcc 420
 tgactgctga tgctaatagn ccctttaact ttgtaccagt gtaactgtga tgctgtttcc 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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 ctctacaaa ctgaaacccc aaanggcaca gccacctctc cagacactgt catctcatca 120
 gcagagccag agagagtgtc cagttaccna gagcccactg gtgagcttaa gaaaaaaca 180
 acgtcacctc agaataatac tctgaagaaa aataatagcc tccaaaatgc atcagtgggt 240
 tgcaaaaagg taagggtcaaa tatttatatt taccctgact tcagtacatg gatcaagntn 300
 acttttgttc atggaggaaa ttggagattt ttntcagtg ccaccaagtt agaggaatt 359

<210> 7176
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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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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 ctcattgggtg 420

tgtttttttaa actaggtata tatgtaaatt gggtttgaaa attcagaata tgagatagtc 480

cccatagtca gtgcttgaag tcttgttttt taaatcttcc cacagcatg 529

<210> 7177

<211> 568

<212> DNA

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aagtattgga tgaacagatc caagagaggg agaactcaaa gaatgaagaa tcaaagcaca 180

atcaagaact ggcattcccag ttggtagctg cagaaaataa atgtaatctt ctagaaaaac 240

aattggaata catgcgaaat atgataaagc atgcagaaat ggagaggaca tctgtgttag 300

aaaagcaggt ttctctagaa agagaacgnc agcatgatca aacccatgtt caganccanc 360

tggaaaaact ggatctntnt tgaacaggaa tacaacaaac tcaccnccna tgcagncctt 420

tcagaaaaaa aagatgcagg agttggantc caaactccgt gaagaagagc aggaaaggaa 480

gcggatgcag gcccgggcag cagagttaca gagtggnta gaagcaaata gacttatttt 540

tgaagataag actacttcat gtgtttca 568

<210> 7178

<211> 132

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 ggctgctcgc tg 132

<210> 7179
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 ctacattctg aggccattt tccagcaaag gtttagacc tctgtggtta aagactgcat 180
 ccatactgtg ctcaaggaag aattggcaag tgctgaatat tctccagatg aaatgcntca 240
 actcacaaaa cgtctatcag aaatgattaa agataagcta aaagaattgg gatatgaccg 300

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gtataaaatn nntgntncaa gtggtgattg gagagcagag ggggtgaagga gtattcatgg      360
ctgctcgctg tttntgggat gcagacacgg acaactacac tcacgatgtt ttcatgaacg      420
acagcttatt ctgtgtggtg gcagca                                           446

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 ccagacatga cgcctacnat gtgtggtgcn gtgatntggt atgagnanna annnaagacc 120
 acnaggcnag gtaaaactca gaaagaaagc atttnacnt 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
 <211> 416
 <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

<220>
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 <222> (344)..(344)
 <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> (374)..(374)
 <223> n is a, c, g, or t

<400> 7181
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 cttggacttt caggatggga actccgggcc ctgggtggctg ctccagctcg ccaggcacct 120
 acgtgatggt ccacgcgttg aactctgcag ggctggcccn tggaaatcct gggaggccca 180
 aagtgtacct tccagggtga cccactagc cagaggtctg caagtcaacg ttgcccagc 240
 tggacatggg ccagggcagt cacctccagg catagggggc catcgggagc ctagctgaca 300
 ttaaaggctg gggccccagt ggggagcagt cttttctaga ggtntcctct gtnggctgtt 360
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<210> 7182
 <211> 541
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<220>
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 <222> (491)..(491)
 <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> (496)..(496)
 <223> n is a, c, g, or t

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 gagcggaggt actgaaggct tgggggctgg ggagaagtgg gtatgatgcc agcaggggagc 120

cgagcgggaat ctcggtgctg aaggaaacaa agcaggtgtc ttccggtccc cgaccacgat	180
gagaactgag aagcctgagg gtcgaagaag gaactgcggg agatccagta cacggagcat	240
ctagggacca ggctacatcc atccttgggc tccaccccaa accatggccc tctgccgacc	300
cagatttgcc tggctccttac cagatatatt cacgccttta aagggaactt tagacacacc	360
tactgctttc tnttcagaat ctttcgcaag aagatgctgt gtttactaag gatcgcttgg	420
gtgcggatag agtacagggc tgtgtgattg gcacctgtca aatgctaagg atttggaag	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 aggtgctgcy gcagtacagc attaatctgt cagaggagga	180
gttctttcac gtgctcgagt actatgacaa atcactgtct tcgaagattt cctacaatga	240
cttcctgcgt gccttcctgc agtaggcac caggcggagc agcacttggg acagatgggg	300
catcagggtc tgtccccaag ac	322

<210> 7184
 <211> 275
 <212> DNA
 <213> Mus musculus

<400> 7184	
aagagtctcg ccaacaatgg aaaacatttc tatactgtga accgcataag agaatcaagg	60
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

<220>
 <221> misc_feature
 <222> (187)..(187)
 <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> (239)..(239)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (317)..(317)
 <223> n is a, c, g, or t

<400> 7185
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 cttctccacc agctgaccat gaaagccaag agcacagtca gggatattga cccccagaac 120
 gacctgactt ttcttaggat cagatcgaag aaacatgaaa tcatggtagc cccagataag 180
 gaatatnttn tgattgtcat tcagaacca tgtgagtaga cctgctgtga ccaaccctnt 240
 cctcctgacg atacctggaa gcccttcct ccacgaatcc atgatattgt accctgactg 300
 agtccagaga tgtgttntcc tgttttgaca atggaactgc actacttgct tccctaagtc 360
 ccctttgaat tgtgatcttg t 381

<210> 7186
 <211> 559
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (438)..(438)
 <223> n is a, c, g, or t

<400> 7186
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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


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atgggcagtg aaaatgaaca gacacagcaa gggttagggc tgggccagtg aaggatcaga    300
gccacaacct agactctggc ggtgggggatg gaaacgcgga ggccagctct gagcggggga    360
atgaataggt aggccaggtt tctagcgtgg ttgctgagac aggtgggagt aacatttagc    420
aagacggaaa gaaagctncc tttgtgtgtc agttactaaa tggtagtgac attccttacg    480
gatgacatgg tagaacgatg gaatgtggat acgttgggtg gggaaacatt ctccgctctc    540
atcttccatg tggaacgat                                         559

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<210> 7187
<211> 193
<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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<400> 7187
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caggtgctcc aagggccccag gcgccacccc ccagntcct ggacggtggg tggggacata    120
atgaacgcca gggtcattcg aaacctgcag gaacgccgca gcaccaggcc ttggtaacca    180
tggccaaagc tta                                         193

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<210> 7188
<211> 544
<212> DNA
<213> Mus musculus

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<220>
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<222> (317)..(317)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

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<400> 7188

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aggataagga ttctcagag ccagatgaaa accctgctac agagccacgg agcaccacag      60
aaccgggtcc ccctggctac tccgtgtcgc cgcccggtgcc cggccgctct ccgggggttc    120
ccatccgctc agcccgccgc tacccgcgct cccagcacg ttcccctgcc actggccgga      180
cgcacacgtc gccaccgagg gccccgagct cgccaggccg ctgcgcgagc tcttcgcgct    240
cactgcggac tgcaggcgtg cagagaatcc gggagcagga cgagtcaggg caggtggaga      300
tcagtgcctg agcctcntcg agagccctct gcggttgccc acggtntgct gtccgcggct    360
gggggggggag gctgagaagt cctgatgcct ctggccagga gtgaaaggag atcgtgncct    420
gatccccgtt tagggtgcac acgcgtgtga gtttgcacaa atggctgac ttggtgttaa      480
accgggttgc atgtgcgctg ggtttactgg ctgtgttctc tggctgtgtt ctcagtgggt    540
atga                                                                    544

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<210> 7189
<211> 449
<212> DNA
<213> Mus musculus

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<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

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<222> (224)..(224)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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 <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> (424)..(424)
 <223> n is a, c, g, or t

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 ctggtgagcag actacctgga tctagagagg cgtctgtcac aggctgagca ggaaactcgg 120
 aggctccggc agctgcaggg ttgctccagc aggcaaccct gtcaacaggt ggaagagctg 180
 gctgctgagg tggagaggct cagaactgaa aaccagcgnc tgcntcagga gaacgagatg 240
 tggaaccgag agggcggtta ctgtgaccag gagaaaccan cctcagaagg gacccttgg 300
 cccaaggttg aancccatcatt tcagaccac acagnccagc tgggtnatag ggaggcaggt 360
 gacagatgaa agctactccc tntntccact gagaactgct aagacaaggt cagagtttcc 420
 cctnccatctt tcattggttg atctttaat 449

<210> 7190
 <211> 512
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (199)..(199)
 <223> n is a, c, g, or t

<220>
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 <222> (214)..(214)
 <223> n is a, c, g, or t

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<222> (328)..(330)

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<223> n is a, c, g, or t

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<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> (438)..(438)

<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> (472)..(472)

<223> n is a, c, g, or t

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tttttgagaa gaatgtgcaa ggctcaattc cttgctgctt ttctggccg ctgtcctggc 120

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cccctggctg cttcaagtca tcgtgcagaa agtattcccg ggtccagaag atcggggagg 180
ataatgagaa gtctacctng agctgccaac ccgncagccg ctctcacacc aaaagagtcc 240
gtgctgcaac cgaaggcacg tgcggcttta natttatattt cagagaactg actggtaaaa 300
tgaagtggac caaatittan nnnnnaannn tgnagcgat gaagtattac ctttnnnntt 360
tttttnattc atcccaagaa acatatattt tcctgcagnt ntctgttcat tgatgacaaa 420
gccccacac tggagtnttg aagaggtggc aaagaacacg ccgagcctnt cntcgccttc 480
cttcacttcc acgttctttc cagattgctt tt 512

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<210> 7191
<211> 542
<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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<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> (429)..(429)
<223> n is a, c, g, or t

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<220>

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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

<220>
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 <222> (445)..(445)
 <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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 gcgtgaanct ggagaaggtg ctgagaggag aagcagnnna ttcagggaca caggatgaag 120
 cccagctttt gcaggaatgg ttttaagctgg ttctggagaa gaataaatta atgcatatg 180
 agtcggagct actgatcatg gcccaagaac tagaactaga agatcatcag agcagactgg 240
 agcagaaaact acgacagaaa atgctcaagg atgagggcca gaaagacgag aatgacctaa 300
 aggaggagca agaaatattc gaggagatga tgcaggtgat tgagcaaaga aacaagctcg 360
 tggattccct agaggaacag cgggtcaaag aaagaaccn aagaccaaca ctttgaaan 420
 tttntntnt ccagaggctn tnagntncag caggacttga agtgcccttc cccgctgaag 480
 ccagagagcc aagaacacca cactttccca cccaggcact gaatttaaag cctactgcct 540
 ta 542

<210> 7192
 <211> 561
 <212> DNA
 <213> Mus musculus

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<220>
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 <222> (410)..(410)
 <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

<220>
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 <222> (491)..(491)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (497)..(497)
 <223> n is a, c, g, or t

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 aacaggcaag aaattgtgaa tggactgaac atatttttgg aagaaaatga agaagaagcc 120
 tattttagaag aactggaaga agaatccgac atgtttgagg aggaagaaac tgaagctctg 180

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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 ntntgcatn ttntntccag gtttgctatg taaagagaag atcccagttc 480
cacatntcat ntcattntca tcagttcttt aatttttcca ctgacattgg tttatactga 540
taatgtcact gctgtaattt a 561

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<210> 7193
<211> 498
<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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<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 7193
tgttgctgca tttagatgca cctgtgcaag aggaaggcaa tatctctcca gaccagacat 60
ctcgggacca ggaaccagaa aaagatgggc aggtagccca ggaggaaaca ggtcctgaaa 120
aaccttctgt gaccagagag aagaatgtgg aacctgangc agccaagcac atcgaagaat 180

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gtcaccgagg aagagctgga ggactggctg gacagcatga tttcctgaag cggggtcaag   240
ggggaagagt gcctgaagca aatgctgggt gccttctgtg taatgagccc gtcttgtgag   300
gacgggctcg tttaccagct accccatgct nacacgtcct gttatgctta cagcanccaa   360
cacctacctc tgtgtttgat ggcattctgaa tatatgtatg aggcttggtt gaggcttcat   420
ttctgttgn atctggctta ntnatctaag agatttcatt aaggacaggg gatgtcacag   480
ctacattttg aacctcct                                     498

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<210> 7194
<211> 491
<212> DNA
<213> Mus musculus

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<220>
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<222> (162)..(162)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

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<400> 7194
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caggcagcct acaagctcga tgcttattca aaaaaactgg aagccaagta caagaagttg   120
gagaagcgat gagaatcgtg ttcattgtggc 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 tttccctggg attgggcatt tagcacgtca tcttctaaaa   480
tggtgtgttt g                                     491

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<210> 7195
<211> 548

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<212> DNA
 <213> Mus musculus

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 <222> (460)..(460)
 <223> n is a, c, g, or t

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 cccgatctaa cataattgta gaatggatgt gtttctgaat agtttggaag gaaaaagttc 120
 tagaattaaa aatcatctga tatttgatac cccactggta tatagttatg tagagcaggt 180
 agttactaag aaatagaggg gacatttaaat actattttca gtcttcccat tcactttcat 240
 ctagttacat acttaatttt attgaaaatt ggatatttaa gttcagatca ggtagctta 300
 ttgcttttaa atatacacat acatgtattt ttttctgctt ggtagtacat 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 cttctgcag cgccttccca gctgtcactg 120
 aaactgcatt attcatcgct gtctttggg 149

<210> 7197
 <211> 396
 <212> DNA
 <213> Mus musculus

<400> 7197
 catctggtgg ttgtcatcac gttgttctgg tcccgggaaa gcaacatcca ggcttgacctg 60
 cctctcaaat tcaccccgga ggaatacgaa aagcaggaca accagctggg agccgcgctc 120
 tgtctcacc cgggcctctt tgcagtggag ctggctggct tcctctcagg agtctccatg 180
 ttcaatagca cccagagcct cctctccatt gcagcccact gtagcgcgtc tgtggccctg 240

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tctttcttcg tattcgagcg atgggaatgt accacgtact ggtacatttt taccttctgc   300
agcgccttcc cagctgtcac tgaaactgca ttattcatcg ctgtctttgg gctgaaaaag   360
aaacccttct gatcacaatc cgggtgtagg gaccaa                               396

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<210> 7198
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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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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 ggaccacccc tgtagcacag ccttgacctg ctgacttggg   360
atatcctgca caacccagtg gaccacagc tcctgacctg atggcagtg tggccctcag   420
atgcagaccc agagaggccc aggcgtgcaa cagttacctg cccagctgc aggggggggtt   480
tctagcccct ctacgccaag gcacaccctc agggagccca ctactgtgg ctgcactatg   540
ttatgttta                               549

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<210> 7199
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<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 taagggtttg     420
tgacctagtt tggttcttct ctagggttgg aaaactgagc cattgttgta tctgttccat     480
ttgtgcataa agaggaagcc tagattactt aagctaactt gttcttccca ggtcacaact     540
ttaa                                                                    544

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<210> 7200
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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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<220>
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<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 gactggcggt acccttgctg agacaggctt     420
cccagctcat gactgacaaa                                                                    440

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<210> 7201
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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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 actttgggaa ggaaatggag gttgtagctc acacatatct ggactcacac aaagtagaaa 120
 ancccaagaa ccagtggatg ctggttactg gaaatcccag gaacaagtcg aacaccatgc 180
 tagacatctc caaacccatc acagaggata cgcgcgctt ggagcaggcc atgggcatca 240
 atacatagtg acataccagg cgtacaggtg gcctctcagg ctctgatctc atcaactctt 300
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 cagaactcca 370

<210> 7202
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> 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

<400> 7202

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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

tcctcccnt cngcttcaat ntncngagcc tncctncaggc 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 tgggtggaat atcgtgagaa cacatttaag catttcaa 118

<210> 7204
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tttttccaaa gctggatctt ctcaccaaag tcccagagcg agccctagga ctggacaaga 180
 acagantcat agaaactgct cntntcagtt tccgaancct gctaggtgta cttggtattg 240
 aagctgntnt agacagcctg ataagattgt tcagtggaga taacaactan tntcccgtg 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
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 <223> n is a, c, g, or t

<400> 7205
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 ctcccctcga ggaactgata accagccaga agagccggtc tccctctctt ccaccctctc 120

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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

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<210> 7206
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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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<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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 <223> n is a, c, g, or t

<220>
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 <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

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caagtacatc aagaccgtgg tgttcgccct ctatgcccat gtgcagtagc agggcttcac 240
gccaaagtgcc gagangcncn ggcgggcaga cagcagcgag ctgntncgan cananngcca 300
acgcacggat tccanccttc aacagtacca cantgggttag ngccttcaac ctgccgctgg 360
ttttntctgt gagcagtggg tcccaggaaa atgagatcat gaggaccagc tatgagcttg 420
tagtcacgat tcacctcccc tgntntttnt cgacantcaa agcccgantc cccatcatca 480
tcaccagcac caggggaaggc caggccgact gccccggct ggatgagctg ccatatgagg 540
accatatggt ttgagtgctt gcat 564

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<212> DNA
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<220>
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<223> n is a, c, g, or t

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accccccatg ctggtgagcc ccaggagggtg gttcctactc cccaacaag aactggacat 120
actggtgtcc ccagagacca ggaacttcct ggaaactgct ggccctccac cggagtctgt 180
ctctctcagt cctcagtcct gtcactatca gctgcatgat catggtctca cacggtacag 240
tgtcccaccc acagtctctc cagctcccct cagcctcgc tatatctcag gacagagggc 300

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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

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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> (278)..(278)
 <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> (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
taatTTTTTT	tattgtgcct	tgtcagtttg	ccaaggctnt	gcaggattgc	actagctcca	180
caatgcagta	atattgataa	ctgataatac	tgagtttcaa	aggatcttcc	attatTTTtag	240
aaacaaaagt	atTTTtatagg	tttngttctg	tatgatcncc	aagtataaaa	ctaggttcta	300
ttggattttg	agattgccac	aggcatgtcc	aatctcagtn	gtgtagacac	taaagagccc	360
gttnccatcc	aggtaagtga	tggccataca	ctgctntggg	ttaagttatt	tttcatttca	420
aggagcagat	aagcaatgag	ttgacctaaa	ntcttagtaa	tatttgTTta	gtaatatgtg	480
ttntctgta	tattaactgc	tcaagaactg	gt			512

<210> 7209
 <211> 410
 <212> DNA
 <213> Mus musculus

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atccaggtag	aaaaaaatgt cagtcttaat cctaattggg attatTTTta gcaaggaaaa 120
catttaggga	caacccaagt catttagtat ttattctgag aatcattTTta 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	tatgaccac gaactcagga gatggcagggt gacctacaaa gctctcaggg 180
tggcatttgc	tctctgagca gatcgccctg cttagaggaa ctcaggggtg aaaccacacg 240
tggtgaagtc	tgcagaggag ctacaatggg accgtactgc tttcttcacc cacacttggt 300
agaggtagag	gggtagatag tagaatggag gtgaagggaa atttaagggtt gtttaataaac 360

tctgccctg

369

<210> 7211
 <211> 321
 <212> DNA
 <213> Mus musculus

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 <222> (179)..(179)
 <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>
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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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 gacaagtgga tgagattgtg gaagcgcacc aagctgaaat aatgcagcta gcaaattgaga 120
 agcagaagta tattgactgt gcaaatttaa aggggtgacta tgcgcgtggc gactgagant 180
 gaaaaacacc accctccagg tcatgttctc atntcagttg cggatgtgnt tntgagagct 240
 tggactaaag caccgacatt tattgttctg tgtttggtta tgctgatgac agttgcacag 300
 ctctatatat tacaacctac a 321

<210> 7212
 <211> 588
 <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> (193)..(194)

<223> 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> (481)..(481)

<223> n is a, c, g, or t

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aggcagagag acaggacatc atgtcacaga tggatttgca gggagcatct gagaagganc 120

cngctgagag 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 gtgttttggga gaggaaacac tgggagactc 540

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 caaaacttct cggggtgacc agggcagttg ctggaagttc agggcaacta tcttcaaaaa 180
 gggcttagct ggttcccttc tctgctgagg aatgtcattg tagagtcacc atnctgtnac 240
 agagagcata aactgctcag gaaagaacta cntctncccc cnttgntcc tagagctccn 300
 ttgaatgttt atttcttaca cctttctcca ccggtgccta ggatccagga cacatcanc 360
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 <223> n is a, c, g, or t

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 atccatgagc tgcctcaaga aaaggtacta gcagcgact gcatgggctc caagatttta 180
 ggattatact aagaaaatga aagtattcat atatttagaa catgcattga caatcttttg 240

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acaatgcaaa aataaaagga actagttagt taaaaaaatc aagttttcaa attaatttct 300
gttttgttga tattttctgg cattttgctt ganatatatc caccctgnan tcccttttcc 360
tcatctttga gatncctcct tggtaatgac aaaaccaata aacatntcct ttattatata 420
taaaagtttt ggaaaagata atcatttata agtataaaaa ccacttaaaa gtttctaaac 480
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<210> 7215
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ctgcttgga agatgaacgt tttgaaggga agaggggaag agcaagtcag gagcaaaggg 180
tagggaaagg gggcaaggag gagccccag aatgcagtca gtctcaagca tgaaaatgat 240
gaacaaaagg agtgcactgt ggctcctcaa gtctgcacag tgggaaaaca aagacagttc 300
tttgattata gtgagatcaa gaaaataaca cccacattcc cataacttgg gagactgaga 360
tgaaacaaga ttgccagcct gggatatctta agacaaaag aaaggggcct ggagagatga 420
ctccgtgggt aagattggca ctgttcttgg gtttgctcca aaacatctac acccgtaagg 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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 ttaaaaactt tttttaatga aaaatgggtgt 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 gtgggtgctgg accaatagtt actgagttct taaatatttt ntcancttc 480
 ctcaaataga agtttntcan tcatttcaat gcagaccaga atttaattga aaagcttttg 540
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<212> DNA
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 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
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 ggactag 547

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<223> n is a, c, g, or t

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<400> 7218

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ccatcaaaaa ggccatcaag gaaaagtctg ccttcctgaa ggtggcgag acccggtg      180
atgagagaac gaggaggcca aacgtagagc tgtgcaggga tatggctcag ttacgcntg      240
ttaacgannt ntntgaggta gacgagacca tccagactct gcagcagcgc ctgagggatt      300
cggaggacac cttgcagtcn ttggcccata ccaaagccac cntggagcat gacttggctn      360
gtgaaancca acactctnta natcgaccag gaaaaatgca tgagcatgcg cnaatagcta      420
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<210> 7219
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<213> Mus musculus

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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 ttgaatttg tttatccaaa aagttggctt attttcattg      480
ttaagaatta tactgtgtcc ttggaagatg aaaagcatac cttgtcattt ttga                          534

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 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

<210> 7221
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 <212> DNA
 <213> Mus musculus

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 tccttctcta gtaagttttt gtgaaagatt tcagactatt aaaatgactt ctttaaggagt 120
 agctactacc ttaccccctc ctctcagtct ccatccaaac ccactctcac ggctactcca 180
 ctaacgctgt gctttgcttg taaagtaaca ccatgcagtt gtgcgcaacc caagtatcaa 240

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aagcagctac gcggtctctga aaggtgattg tgataggttc tgcttctcat ctgcagatac 300
aatgcagcaa ctccaaagta ttaagattac agtaaagctg aagacgcacc tttgccctgg 360
ttagcaacgc aaaacctgtg tcgtcgtaaa tgccaaagtc ttagtgtgta aatgtctgta 420
cacggtcaca gcgaatgagc tctactgctaa tggccgagtt gcttattttc atgaataaag 480
attagcaaga aactttttaa ccatcttttt aaaaaatgtc ctagtttggt atattttagg 540
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<223> n is a, c, g, or t

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attgcctact ttttattcag cngattggca gaagantcca ggacaaatgc ttgtgaaagt 180
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<210> 7223
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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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 ttcacagcgt ccgcggtcac ctgcctcgtc atgttttaaaa aagtgcacgg actgtaccgc 180
 acaacaggtg ctagttttga gaaggcccag caagagtttg caacngggag tgatgtccaa 240
 taaaactgtt cagacagcgg ctgcaaancg ccncctcaac cgcagcaacc agcgcgggcg 300
 agaacgcctt caagggtaac cagatgtagc gagcctggaa gcagttntct gtttccttag 360
 gactgtatct tttnttccag ttactgtatt ctacagatat tttttgttgg aaacacacaa 420
 tacacaaaag catgggtatt tccaatccac atgtgcacgg tctaaaaacc agagaaactt 480
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 actatcacct gctaaata 558

<210> 7224
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 <212> DNA
 <213> Mus musculus

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 tcccgaagca gcaagaaaac atttcgaagg cctggtacca agaagaaaag cagagtgtgg 120
 tccccacgtc cccagggcaa gaggaagccc aatcttgaca gccatggtgt agggatgaga 180

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caggccgcag gcagaagtca cccatgacct cttgggtcatc ttggccgatg agacctgaga 240
caggagaatg cttcactgag tgcataatgc tgtccattct gagtctggga ctcagacagt 300
caagaagcct ggggtggcggg gggctgtttt ctgtgtgggc ttttcctcc ctgggaaatc 360
ttgctgtcta ctgaagaaac atgagcctgg tctgcgggca gcatttctgt ggagatacca 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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gtgaggaaga cagacaactg agttgcccat tacacaacgg ggatccactc caacagatga 180
gccctgatg ggagtcacac cctcagcagg cacagacacn caggatgggg tatgcggatg 240
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gagcttcac cttcttcttg tcgggatcgn tgcacgacac tgtgcctcat gagactctgc 360
tgcagtgcaa gggaaagaag gacgcttgac ctgggcctgc agacgtggct cagtgccttac 420

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<210> 7226
 <211> 519
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (157)..(157)
 <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> 7226
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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 gaaccaagg tctctgcttt ctgtgagtga anccaagact ggggatttct 360
 gaacgtaccc agacaccca gaagatctga accacctata ccaaggctga acgctctcag 420
 gcagcactgt ggttccctta taggaatgat agctctgagc tccatccttc ctgctcttta 480
 gtgtaatatt ttattacact ggtggcttta accctgtat 519

<210> 7227
 <211> 350
 <212> DNA
 <213> Mus musculus

<220>
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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

<400> 7227
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 accagccgta ctttgtcttt gacacatatt 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 ctccacaagta cctgtttgct gtgcgctggc 120
 cccctgtgcg ccccttggtt tttgctgctg cttcagggga aggtgatgta caactttttg 180
 acctccagaa aagctcacag aaaccacag tttctataac acaaacccaa gatggaagtc 240
 ctgtctactg tctcgagttt aacagccagc agacacagct cttagccgct ggtgatgcta 300
 agggcatggt caaagtgtgg cagctgagca cagccttcac agaacaaggg ccccgaggag 360
 tggaggactt ggatcagcta gaagcagaaa tcactacctg agggctggtg 410

<210> 7229
 <211> 501
 <212> DNA
 <213> Mus musculus

<220>

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 <223> n is a, c, g, or t

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 <222> (411)..(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> 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

<220>
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 <222> (32)..(32)
 <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>
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 <222> (318)..(318)
 <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> (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> (345)..(345)
 <223> n is a, c, g, or t

<220>
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 <222> (360)..(360)
 <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> (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> (414)..(414)
 <223> n is a, c, g, or t

<400> 7230
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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 agacaacca gatgaaccgc aaagctcgca 300
 cccctctgca ggtcacantn cagntcccca aactccantc aactntccca acaacccacn 360
 tccgagccct tgtaagagca ccaagtagnt cctantntag ctgaggtcca gatntatgcc 420

atgctgggggt gacatttttag 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 tcaagggtggt 120
 tgccaagntg caggttctga tgctaaccgc gcaccagggtt cacagactgt acagtacaaa 180
 ctcttggtgtt tgttactaac actgtggatg gttttactgt aaattgttcc caatttgtat 240
 cgatggaaaag 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>
 <221> misc_feature
 <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

<220>
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 <222> (246)..(246)
 <223> n is a, c, g, or t

<220>
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 <222> (260)..(260)
 <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> (288)..(288)
 <223> n is a, c, g, or t

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 aagtgatcat ttttacctta tattttccta tttctgtgtc acaattttcc aaccaaacct 120
 tgaatttatt tgtcatgtta tggccagtcg tcccactgtg atcatcctgg tcataactctg 180
 gatggctcttg ctctgacctc catcccaaca cccctctctt ggctcagtgg cntcnncnnt 240
 gtaggnaatc cttatatacn tagtgggatc cacgcngtag gaatcctnat atacttagtg 300
 ggatccactc tgtaggagtc cttatatacct 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 ggccctcttaa tttgcttcaa aagtagagtg 180
 ttcatcctaa tatcccatag taaagtttgc ttaaataac ttgcaacaga atgccaggaa 240
 gttatcaa ataaaaagact ggaagactag ggggtgtagct tcacggcaga gcacttgcct 300
 aacatatgag caccaagtt 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

<400> 7235
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 gccaggcgaa ataattcact gctaaaatac attacagaga agaataga gattgccag 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 aaaatatatta aaattattta aattgttttg 180
ggtgcttcaa ttgtattctg tgatttagag cttacatttg tgtttgcatt gttaatccgg 240
aaggtgtctg ctgtactgaa gtttgctgtt agttatttta ttgcttcttg tgcgaaagtg 300
ctataaagat tattctaattg aaaacattaa aatttataat ttgacataca aaagggattg 360
ttcattgttt ttaaccaatg tanccttgac agagttttta ttacagacac acaagagtga 420
tgtttgctac ttgacctgt 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
tcaccttttt ggccctatgca ggagggagcc tcacaggagc attgtttaac ccagcgctgg 180
cactttctct gcactttccg tgctttgacg aactcttcta taagtttttt gtagtataact 240

ggcttgctcc ttctgtaggt gtgctgatga tgatcctcat gttcagtttt ttccttccat 300
 ggctgcataa caatcaaag 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
 atagtcattt gtttagcatgc tgctgtgctg ggaggaactt cagaagcacc aagatcagtc 240
 tcacaaggac agaggtggct cgggacagga actgaagctc gagtccccct ttccagcaca 300
 gcgtccgtgg ggcagatgcc aagtantgct gagganacat tancacagca gaatgtttat 360
 gcctgctcga caacattgtg gaatatattg tattaatcca aatgcaaagt aaacacatta 420
 acatgtgtcc agcttgatgt ttactcca 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>
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 <222> (138)..(138)
 <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)..(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 ggggttgat gaagtaatct tgcttctgca 120
 taaatgtncacacacacacc 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
 aaaccagatc ctatcttttcg agatcagtcac acctccgcat gcctgccacc agctctcttta 60
 ccaccaccgc tgctgccgcc accaccacaa cctgtcacca ccgtggcctc tgtagtggct 120
 gcatcacctt ctgtctacac tatgccccgg gtctttggcc ctttcctcc actgtctggc 180
 aagccgatgg agaaactgga tatttcaagt tctgaagtga aactaaactg gagtggcttt 240
 tcatcaacgt caaagagcca catggttgat ctgacccctc tggttctcaa tcccggagggc 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 aaggggtgcg agatgttttcg gaaagtcaat 120
 gtgcctgttc ttggctttgt ccaaaacatg agtgtcttcc agtgtccaaa atgtaaacac 180
 aaaactcata tttttggtgc tgatggtgca agaaaactag cacagaccct tgatcttgat 240
 gttctaggag atgttccctt gcacctcagt ataaggggaag cttcgatat ggggtcaacca 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>
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<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 gggggcgctg taggtccagc tcgatgtgaa 290

<210> 7243
 <211> 130
 <212> DNA
 <213> Mus musculus

<400> 7243
 gctctggcag ggttcgatgt tgaaaaagcc aagaaatgac ggcgtggtgg gtttggctct 60
 gccggcccca cccctcctgc acacggtgct tccatcctga ggactcaggc cacacaaagc 120
 tgtagagact 130

<210> 7244
 <211> 336
 <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> (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

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 <222> (215)..(215)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (226)..(227)

<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> (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

<400> 7244

gtagagactc tcacaatgca gcaacagccc aggaacaggt gacttggaac acagtgtggc 60

ttctgcctag ggtcctcgtc cctctctctg tggatctccc ttcttacgtg accccaggct 120

tgttggacag agggacattg ttcactatga ttcgttttgt taagatatct tngttttnag 180

tgctgantag gtgtgagagc tatgagctna gactntcctg acctcnntct gcatnccttg 240

ggatggacag cagtgatntc cctgnccctc ctgtggctgg agaatctttt cagtttttat 300

acaaggaaac caagacttag cacttgtgat gtctaa 336

<210> 7245

<211> 497

<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> (81)..(81)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (299)..(299)

<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> (330)..(330)
 <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> (390)..(390)
 <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> (470)..(470)
 <223> n is a, c, g, or t

<400> 7245
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 gatccgaaga aacttcccaa ntgtgtttct caaggattcc tccccagtgt ctccccggca 120
 ttaggttttc ggagacactt tcttcttatg ccagtgtgga taccaggctc atcccttggt 180
 tgtctagtgc tcttggtttc cggcacagga tggggagtgt tccatcgttg gtggcttccc 240
 attactgcat caggacggag catccagagt gggttctgat ctggacggaa gtggagtinc 300
 agtacagacc agtttgntca nccttcaagn tcctcacagc tcagcctact actgctggcg 360
 taggtgactt agtcacacac tgnccctcan tctgagggtcc agctggcttc ccattccacc 420
 tcagggacan tcttgctgga gaattactgg ctctggcct gtggactatn ccatctgcac 480
 taatcggtct gcacagc 497

<210> 7246
 <211> 571

<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> (125)..(125)
<223> n is a, c, g, or t

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ttttttffff ttnnnnccta acttgattga atcacataaa agaaggggga ccacagtatt 240

tgaatgtgtg aaactataca acctaagggt taaaaatggt gctcatgatg ctgaacagct 300

cttaaagaac aagangagnt tntctcnaac tattttcatg naaantgta aactttffff 360

tagatataaa ncagtataaa gtactnattn ttattttatt ctaaagttgt ttnaaattca 420

ccatgatttt gacgnctgc agattcttaa ncnagggttaa tttatgtttt gaggtaaatt 480

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 gagaacagaa agctgctggt ggagcaggct ggaacgcaag tgtcccatgg ggaaaaaaaa 180
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 tatkctgnga gcatagccat tttggaaggg aatgagattc atcactgtaa taacctcaga 180
 accagtgaca gctcaaagag caccttaggt ggtgttaaca tganngttcn tcnnnnaccn 240
 nnnnnngnngn tgacgaacaa tcatatctac aacaacaatg gctatggagt gagcattctt 300
 cagccatngg aacanttctt tattntngca naancnagnt ntcaacaaag gggctgcttc 360
 aggagataag aaagatgaca aaatgntntc caaantcatn caaactntga atntggaaat 420
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gcacattatg gaacaactca acatcctaac ccagactgtt tcaattctgg agcagcgact 180

gtctttgaca gaagataagc tgagagactg ccttgagaat cagcaaaagc ttttcagcgc 240

tgtccaacag aagagctgag cagggagggc cgtgagcgag gtcaggtcag tgcgcagaag 300

acgggctcac acactctgga ggtagccgag nccttcaca cccctgccac gcactaaccg 360

attnttcaga gggtagagcaa cgaaaccgaa aagggttcag gcattntcag ggactgactt 420

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tgacttattt atgaactgcc tttattcaca tttccatagg catttcaaaa ttcacttagc 180

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 agggatgaag ttattcagat acctactgta gagaaagagg aagagaaaga aagtgatgaa 240
 ctcacatcaa aaaaggagcc agcagcttca tggagcagnt ccaaccagtg gtgggagncc 300
 ntccaagaaa cggctgaggg antcaacgnt gatntggatt tttgncattg cgcantnttn 360
 ntntnttttg gagcagaaaa tcgntntgct gactgatatc caaaaaaagc tccaatcact 420
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caagtgagtt tgaggcaggg agcatcacct ctatcttcag caaccgagct gtggtgaagt 180

acagccggtt ggangatgtg ntgcacgggt gctcctggaa gatcaacaac aagctggatg 240

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 gtgtatcccc ttgaaaggga ccttggccac cctggccagt gagcctccct aaacatgttc 240
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 agaaaaccaa tgtggactct gtgtttgtga acttccaaat cgatcggaag gacagagggtg 180
 ccctgctgcg agccttnagn tanatgggnt tcgagggtggt tagaccagat natcctgccn 240
 tccttccttg ggacaatntn atnttcatgg tgtatcccct tgaaaggggac cttggccacc 300
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 acggganttt ngaggcccag gatgtgattt aagata 396

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 atttaaaatg aataataaat gcagggtaga gcccgtgtct atcactccaa agcacaccct 180
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 gcatgcatct atctaagtac ccagtgaga ctgtaattac cttaggatcc tcaaaatgtg 180
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 gtgcatgcta atcaggagac gacagaaaaa gaagttgaga gaatcttggg attgctgcaa 180
 acctactttc aaaagtaccc cgatactcca gtgtcatact ttgagtttgt gatngatcca 240
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 aacaccagat tgcagccttg aagcaggcca tcaaggacaa ggaggcccct ctgcgtgtgg 240
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tattttggac ctgattggac ganagctgat gnccaaancc agctaaggcc cagaagagga	240
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acccttttga gagtcactta ttcacnntc aattnnactn tatntcaaaa gaagctaaga	360
attcagtaga tggtagctgt agctnttata atttnttttc ccttgacata tggcaaaact	420
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<213> Mus musculus

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 ggctgctaaa atgtatTTTT gaaatcaact tctttaatcc taagatatta aatttacatt 480
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 accaagaact ccatgctcag agtcatctac agatgtgcac cgctatcaaa aatacttcct 240
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 cattacctat aatctttgna gatagntatt tagattcant tattgaagac ttagatgcnc 360
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 tgaantattg atntgatgtc tgtgtagata tnttgnatgt gnatagaact ctattctgaa 300
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 atttttatct acatgctaga aagcaatgtc ggcaactacc agcagttcct cagtcaggcc 240
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 tggagactaa tattttgtag actatTTTTT tcttttgtaa atcagaacaa attatTTTta 240
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 taaaatatca accctgaaac aagccacaga actatagtan ttntttttnt aatganaaac 360
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ataagaagcc aactcgcaca ttcatgatac agattgctgt tctagccaat catcagaatg 180

gaagagatac ccacatgaga caaattaaga tatacacacc agtggaagag agtccattg 240

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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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 cattagtgat gtgtgtataa cgctacatat tcccaactgt catcatgggt aggcgagaaa 240
 gccaatntct gttccatgct aaaagacgga gaaaggaaca aaatatggac attaaaggaa 300
 atctgaaatg tattcaaatt ctcatgctct natctccaat aaggaacgtg aataatctta 360
 tgaaaaggag gaaaggggaag aatttgaant caccnaaatc caatttancc aaattatagt 420
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 tctcctccat cctcagcaca tgccaagctg tcagggctgg cagacaggcc gaggcagaca 180
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 cagtcctctt tcccgtgggt ctgcctttgc ttccagcgtg ncttcaaaac cttcgatgat 180
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 tgacnccatt ntcattggcct ncaacaacct tntngacntt gatncggatg anctnatntn 360
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 ccnttggttg ctgtcnggan tctcttnggt atcttatcta acaacaaang tgtgatacaa 180
 ntgaacttaa tgangaatgc ccnttgatca ngaatcaatt angaatctat gtnaaagtct 240
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 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
 agacccctact gtcacccctg agccctcacc agcaaccccc tctccatcaa cccagagggg 240
 agcacagagc tctgacccat cagaagatag ttacgagcct ctgctggcaa gttctatgac 300
 tttgcaggaa gcaactggaag tccatagacc tcagttcatt tctcgctcac aagaacggct 360
 gcaaaagctt aagcncatgg tacancnaaa ggaaaaccca acnaaaggag agcctggggc 420

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ccggaacgct gaacccggag caactggagc agntgcnann gatttcaaga tccagactcg      180
gatcgcaaat gaaaagtact tgagaaccca caaagaggtg tntctgntnn tnagnngntt      240
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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
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aaggccagca atgacctcta caacttcagg gtggtggata tcctaaaatc tcaggagcag      300
atnacagaca ntntggagta ttatcttgaa gtaaacattg cccgaacaat gtgcaagaag      360
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 tgccatcaga aagtgtacat cgaagatgag atcaaggata actcaaatgn natctaacaa 180
 caacggnatt tattgcaccc aatgaaaatc caaaccaga ggaggcttta agagaggatg 240
 ctgctggatc tgaccgagaa ctgaacgagg atgacagtac agactgtgat gatgatgctc 300
 aaagagaaag aaacgggggg attcagcaca caggcncanc agcancagcn nncgcagaat 360
 ttaatgatga cactgattaa agtagcnatt tactantcat tgaggatattt gtttnaaaat 420
 tcagttcatc cnaaatggag taatatgctt cacgtcagtg tgtaaccaag cacnaaaaca 480
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 agcatgtttt agaatgaatc agtattcaaa gtaatgagaa gtactgtcct tgtattttaa 180

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aaaaaatcac aaattcactg tagacatttt agaacaattt taggtctagc gagactgaac 240
aaagcagaga ccacacacac cctcataccg cccccccag taaagcacag cctcccacac 300
actaaatcac agcacagcgg ttacacgtgt tagaatctgt aaaccactc tgacacatcg 360
ctgcctccga agcccatgtt gtanagggtg tcaccgcgac ggcgcatntn ttagacagta 420
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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 gagcttaca aagaaggacg ttccctgcn 360
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 aagaaagcca cggagagtta taacttagga attgcccttg accaccggaa agaaatgctg 180
 aacctctgga agaagattcg aggggatttg gttgggatcg aaagcaacaa tgagtccttt 240
 tacaacacct ttctgacctt cacctgggtcc tggaacgtct gccaaagagnt gntntccgnn 300
 aaggacctcc gnttgnacga cgccagcatg nanaagantt ccccntccaa ntntngnttn 360
 tnttccccat ngganttcn tgantntgac ccggagacgg ggaggaagag gaaacggaaa 420
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ccccggagnn tccgntcacc tctntgcttg gtacctggat cntccagcaa ggntccnccc   180
accaagncan ttcatantca nttnttcctt gttaggcaac gggaacgaga aacatnntnt   240
ccactgttcc tgccttcagg ggtntcaacc taaccttaga acagaagaga gtgaaaagnc   300
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ccaccatcat gaaacaagga agacagaacc tctggtttgc caaccctggg ggcagcaaca 180

gcatgcccag cgcacccac agctccgtcc agaagaccgc 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 tgcgggcca gtntcagccn tnttnagggt tgcagagant nnttccaaga 480

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 aaccattaca ttgactatga accacttaag tctgcctacc gtgaccata tgctatgtgt 180
 ccaaaccctg ttcgcctcag taagtctaata attcttcaaa acaaaacaga tanggctgat 240
 ttcacttttg acaacttttt aagtaaacca gaatttttgg gcatgaacat ggaaagcaat 300
 gaagaaacaa gacctctttt agattnnatc cctagagctg gagtncccaa ncntcattcc 360
 aacctgcgaa ntnttaggaa cacattntca aantccatgg cacagaagcg tntgcataa 420
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 agtgccaagg accaaaaaga aatgtcaccg aaaaagcata ctactgaata gagctttcta 180

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 gaccattctg cagtggacca ttgacctcaa gaanntggtg gccggggaca tgtacctggg 180
 atcggcccg g cttcctgcag anacctnttt catcatccct gantctntct tcacagantt 240
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 caaantntc cttantcaga agctggagag gatnttcaga gagtgggcta aaatttaagc 360
 atgtgggaat acccaggaaa gatcaagant tntggcttat aataatgttg agtagcaatc 420
 atgctttaac tgaagattaa aggaaacgat agccaatatt ttantcaaa ttnttcctat 480
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 gagacagctt ttctctctct ttgacaggaa tcaggatggc accatagact tccgagagta 180
 tgnnataggt ntaactgtcn tgtncaccc atccaatacg nagangantc tgcaaatgnc 240
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 tgcttcaggc nagctttcgg agtgccnaga cntagatgtt tccanantnt tccagcagat 360
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 gtctgtgtgg aaaatcagaa tgtgactctt ctgtaacaga aaatgcacac tgtncaaatg 240
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 ttttctcaga acttgttttt taagcatttt tgagactggt nggntagtta ctntcagaaa 360
 cattntcag tgattacaca gtaantntac agatgggctt ataaccaaac ggagaagcct 420
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 gtgcgtggac cctctcccgg gccgattgcc ataccaagga tatgaaagcc cttgctccgg 240
 ccgccactac tgtctgcgcy ggatggacta ctgcaccacc cnggagccta gcacagaang 300
 ccgcntgcng nctttgtgnt nncagcancc gactgagtgt gtcgcccttc gntnaccggc 360
 caggaatnca atntgctgtt acaantcccc cncatcatt ttaccggtat cccaacctta 420
 gatgggacac aagtcacttc aagaagactg gtgggttccca gagaaacaac tatgtagtcc 480
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agaatgaaaa agggtcaggg aaagttaggac ttgctgagtg tctagcacia tccttgacgt 180

cttgacgctc ctttagtgag cttcacatt 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

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<213> Mus musculus

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 gaagtgcaaa tgagagggttc attaattagg tagacctgtg ccgatagggtg tgctgtgcag 180
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<210> 7299
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 taaaattgggt atcgtatcca cagagtgtat aattttaaact aaccacagag ctttacatct 180
 tcatttcgac tgttctgtag cagagtaaag cacttgaaat aagactccct ttcacatgtg 240
 ggttataagt ttcagtcctg gtatctgctt gatttttatc agttttgtgt agactttatg 300
 tttcatattt taaactcaaa tccagcattg taaagtttgt acaatttgtc ctgaagcttt 360
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 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 accaccaga gtacaggtga 420
 aggcagctgg ggccggccag agctttacct catccatntc agagacacat ggaaaccagg 480
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tccaaggtgc aggacttggg tgcactgata gaccaaattc atatgcacct gaaatacaat	240
tcatgcaaag aaaacctccg tgaaacattt caaatgtatg acaaggatga atcgggatat	300
gtggacagag agacgttctt taaaatctgt gaaactctta atgtcccggg cgatgactcg	360
ttgattaagg agttgatcag gctntncacc cacggagaag ncaggattaa ctantataac	420
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 gctaaggag taggcacaca gaggattatg ggccgcgttc atctggctca gattcaaatt 180
 gaaggtgatt tcttacagtg ctctttctct atacttgaag agcagcccat ggatatacctt 240
 ctagggcttg atatgctcng gaggcaccag tgttcctnng acctaaagaa aaatntnctg 300
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 ctttgcccaa tccagatgaa gatttccgac ttgttccttc caggataaat a 171

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 ttgtactggg gagagttaaa gaaaaaactc ccttagcatt aaggaatcca gatgtaagaa 180
 tacccccagt tccagatcag aagttgattg tcagtgtgcc ctgtgttctt cactcacaca 240
 aaccgcntct taccgaagtt ctgagagact acatcaagcc agntgnccag tgcttggaan 300
 ttgttntgct aggaatttac anccagggtg gatganttg gncaacgaan tcctcaagtt 360
 tcagcacatg gattatttca ttgctctgga gtccggatgc tgactgtaaa agttgtgctn 420
 tctttacctc agctccttcc ttcaaactta tttccccttg taccantcag tgtgcttaga 480
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ccctgagctt acctcagctg gcggctacct atctggaaag agctgctaac tccctctacc	180
tggaccaaac ggaacgcccc ccaccccgaa gctattccac tcccagcact agcacagccg	240
ctgccaatca gccccagcc aacaactgct tgggtcccttc cactcgggac accaagagcc	300
tgcagtgcnt ggntnnntcc actgggtttga antatcaaca acggcctaac agccagactt	360
tcaatgtcga gacacctcag agggccgggg taaaantgcc agagattccc ctgttcgnca	420
acgggttntt ntccttagnt nntntgccca agttntggga agcaatccgt tccggatgga	480
atgntcctgt gccacccct aagcccgagg gctggtggtg acatggatgc cacctttntc	540
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<211> 388

<212> DNA

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aacccttact ttttagagca ccatttacct ccccttagga gagaagaaaa gaaggaagtg	180
tctttcaagc cctttaagcc ctcctctcct ggtaaaaagg ctggtggaat gaaagcaggg	240
gcatttgacc cttaccagc acactcagcg gacccttacn tgggtcaaagt ggaaaaggcg	300
attccttcga aagggtgaaag ggttttccac ccacccaatn gaccaaaaag cagaccggtt	360
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 caaagcaaga gggaaatagt gactattgcc ttaaggacat tgaagagaac ttgtcagact 180
 cgacagatgg tgatggtgaa gaggacagca gcaacgacga tgacgaaggc cccactaaga 240
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ggcctgggcn ttaaattgatt ctgcaaatac aagcccaaatt gcgtgggttg tcgagcgctg 180
atcactgggtt tctcttatcc agtgtgaggg atcccttttg gcatgnattc actctaactt 240
tnaatagagc agtcaaaatt ttaagtaatg aaaatcaaac ttaggctcag tagaacagta 300
tcattatgct aattaggggtt ttcttaactg tttcatttgg ggttactgtt aaatgttact 360
cattttaagg gaaagtgtat tatntctaaa atttgtcatt gaaactgata acacaattat 420
tactgtttgt ttaaaaatat agtggaaaaa ttatgtaagg ttaccttttg atttctttan 480
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<213> Mus musculus

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gttgcggtgg ctgtagtcct ggaacgttca gtcccgatgt ggatgtcacc tgtcagatct 180
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 ggtgcaaaag cctaagaaga agagcaagaa aacactgcc 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

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 caaggaactg tttttatatt atatgaatct ctgaagagat acaagttggg catgttaaca 180
 atcgggtgtg atctccaggg ggtcctcatg acctttgctc gcaatctctt catcatccat 240
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 ggatttaaag cagaagaaag aacagctgga gtctaagaag accatcaacg agctgcaggg 120
 ccagctggcc tatgagcgac tccgcaggga aaagttagag tgccagctgg atgagtatcg 180
 agtgaagtg gatcaactca aggaaacgct gcagnaaatc caggtcacca gtgtcgcggc 240
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 cctttcctgg tgtgcggagg ggatggattt actcactcca acttcaatgg ctgcntctcc 180
 tctnccctga gtgtcatgaa ngttttaaag cgttatatatt agngtctgtg ttcttgttct 240
 ctacatttac tttaggattt ttgttttcac aatcctctgt tattaattgt tctattttcc 300
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 actttggcga gagtgggtatt gtggcttgaa caaggagtct ttggaggaaa gattgtttat 180
 caatgaagaa aatgttaatg ggtttcttga agaggctcct tgctcccat 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
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 caaccactca gagccagaaa ggcacgagct tcactctgatg gctgtcggaa gaattctggt 180
 tccagtccca actcttcaca ctctgttca agactgattt tgtactcttg atccaaacca 240

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ccttgggatt tgtatccatc aaggcaaggc tgccaccttg tgtcctgggg tctctgcaga   300
agatggggaa gtgttggtga gggaactgtg cacatatggc tggaagtgcc tgcttgagtt   360
ctgccatcag gttgttttagg ggggatagca ttcagaagtt cttctctgga acattctcca   420
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 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

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 acttccggat tagacagaat cttccagaga atgcccaagg ctggcttggg aacaaatggc 180
 tctggctttt tgttgccatt atgatatatg tgatgctgaa gtttcgagga gatggcgaga 240
 ataaggagca gcatcctcct ggcctccgag gntgccagtt ccgctttcca ccaaagaaag 300
 ntcaaaatat ttccccanc aaaganttna ntttcaatan tttaaccag ctcgagatng 360
 aattggtgaa atttntntcc aaggtgcgga accttaagnt ntccatggca actaacagta 420
 antccaggca gcaggttcca gagagcccca cgaacctgta caataatntc acaatatatg 480
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 caatgacctt ttgaatagtc aatgtttctt ctcattagtg acccagataa ataaccnntc 300
 cnattgatca tcctgtgatt cggggccagt actccctcna cccagatcat tgatcagtta 360
 gtgncccacc tgtacctgct ntgggctctg ggtgacaccg aaccaggaa tcgattccag 420
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aacantcant ntcagtntc ctccaccccc gnttcctnt atcaccactg gaccagcanc 420
cttagaggan tntcccaagg ctagtaaggc caataaagga aagaaagcca aagctaagaa 480
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ccaagactgg gtgtgtgagc ctcaggaact caggcgccca ggaagtcgct ggaacatcag 180
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 ccaactaccc ggtgcccggc ggccacgagc gcaagggtggc gcagatactg ctcaacgggc 180
 agcgcaancg ncngccancg ccangcntgc anaccnnnnc nnnngnnnncg ncnncnngn 240
 annncncnnn ncnccttgagn cgggaacctg agacaggagg atcttgagtt ggantcctgc 300
 ctgggcatta ttgaaacctg aaagacctgt taaaaantnt tttccagctg taaccaagat 360
 cntccgtgct ggtcacctgg actttttgac agggttttta gtttactgnt ntagtgtttt 420
 tcctcactaa ttaattgtta agtaagtagt ttcctgggtgt g 461

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 acgtcgggggt ggggcacagc ggcaacatca tggccatgcg gataagtcca ggaaaccagt 180
 atatcgctcag tgtgagcgca gatggagcca tcttgagggtg gaaataccca tttgcttcgt 240
 gatgggctct ggatctccgc agcttccacc ctgtgtnnnn nnancaggcc tgtccagggc 300
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 cctcgtggtg gagctctccg gtctgaaccg gctgattatg agtaccacc 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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<400> 7324

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cgggtggtgaa acacattggt gaccttctcc agcaccgcca catgctggtc cgaacggctt      180
ttcgagatgg aacagcagaa gtggagaccc agcagcagca gcagcagcag cagggacaag      240
gacaaggaca gcaggacgag gtgggggatg gtcccttcnn atnttgccca agaggaanan      300
ntcccgncca gtcccantcc cntcctgccc ccctgcatgt tgaagcccc caagcggacc      360
cacaccttnc ccccgaatn tgcagtgact ggcgatgagg atatttcaga tagtgaaata      420
gagcagtatt tgcgcacccc tcaggaagtt agagactttg agagagccca agctgctagc      480
caggcancca tgcgtntccc taaccctccc tgatgcacgt tctttaaggt ntnttcagtt      540
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<210> 7325

<211> 512

<212> DNA

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<400> 7325

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atgcacataa ggccattgtc tgtctgagtt gtcagcgtcc ttcattgttct gcctattagg      180
agcgatccaa gtgcccttct gctactgacc atctgcataa gatactcgtg ccgtctcctc      240
ggtgtgcaag gngcggctga agtgagttag gtgtccagcc gtgtctgctt tctcagtgtt      300
ccgcttgccct gttgcaagat tgttctaata ttaattacac tagtaaaatg gctcagtcct      360
tgtggtgttg cagttttcac ataattaata cttttattct tattaataa gagtactgta      420
caagaaccta gtataattat atcttgaaat tattttgtat aagaatatat ttagaaaagt      480
ggtttctgag ccactgacct attcttggtg aa      512

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<210> 7326

<211> 490

<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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gccaatgaag tggaccgcat ggtgcttgtg ggtgatgtga aggatcgggt ggctattctt 180

gtagatgaca tggctgatac ttgtggtaca atctgttacg cggcggacaa acttctctca 240

gngggagcta ccagagttaa tgccattttg antcatggcn tntttnttg cccagctatt 300

gntngcatca atgngcatg ctttgaagca ntagtantca caaacaccat acntcaagaa 360

gacaagatga aacagtntag caaaatccag gtgatngacn tnnccnatga tccttgctga 420

agccatccgg agaaccata acggagaatc tgtttcctac ctgttcagtc acgtaccctt 480

gtaatgcagt 490

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 <213> Mus musculus

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 acgagagaaa ttcgtcctct ggcttttgaa tgtgacacct tggataataa tgaaatggtg 180
 gcatctgtta aattcaccgt ctatacaaca aatgaactgc agatgagaag atccagcaga 240
 ccagacactg atgcagtctt agttttcgtg ctgaccatag gagtcattat ctgcatatct 300
 gtgatcttcg tattgatttt catcatcata aattgggcgg cagtgaaatc ctt 353

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 gactgtgtct caagccggca cttcctccca agtcagaaaag cccagcaagc ctttatcgac 180
 cccactggtg aggaatcttt 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 acttggtttt cctatgttct tnaccccat cngtaatttc 360

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tttggaaact ggggcttttt atgtntntta taaaatgctt tntncaatnt aatatgatca 420
aacaatctat cnatgggggt ctgagtggta tcaaatgcca gtgttttcct ttgtgtgcac 480
tcactcgcac acatat 496

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<210> 7330
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<212> DNA
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agggtgccat gagattccca tataacaagg cacacctcat gcattttgtg caaaaggaaa 180
ttcacaacaa ggtgaaagtt atcccttggt atttagggag tgtctacata cagatattct 240
aggttccaga gggaaaagct tttcctatgt aagtatgaga ccatcgcaag aaagcatttg 300
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<210> 7331
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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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<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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 gcgaggcacc ctgcgtgaga cgctcactgc tgagggccgc cctcagtgca tggatcattc 180

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aatcctggtg gaggaagata ctggccaaaa gacaggaaaa gaatcgactg ataatcctgc   240
acttgatggc acaagaaaca agggcctnnn tccttnttca nttngtggnt ccggatgctg   300
aaaatccntc agaattattg caggttgtnn tatgccaccc gtntnatcca ggcntngtgg   360
cgctggtata actnccgcac ccgtggcttt ttccaggga gctatgaact tgtaggaaac   420
aaactacgtt tacggcttga tntctttntg ggatcacagg tttntcgaat atcagactgc   480
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 taaacttgag tgtcaacagg atacctatct gcacttcaga aatctctgac atacaggcat 120
 ggaggaactg ctgggtgaca ggatggggca ttactaatac tagtgaaaaa ggagtccaac 180
 ccacaattct gcaggcagtc aaagtggatc tgtacagatg ggattggtgt ggctatatatt 240
 tgtctctatt aaccaagaat atgctgtgtg ctgggactca agatcctggg aaggatgcct 300

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gccagggcga nantggagga nctntcnttt gcaacaaaaa gagaaanaca nccatttgnt      360
accagntggg cattntnann tngngncatg ggctntgnca agaagantnt nccaggagta      420
tacaccaagg tntcacanta tgtgaggtgg atcagcaagc agacagcgaa ggcggggagg      480
ccttatatgt atgagcagaa ntntgcgtgc cctttggtgn tntcttgccg ggctntnttg      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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cacggctagg ggtgaggagc aggagcccat gcaggcggag gaattggtga tggactcggg    180
taaaacccta gcggagatca gcgatcggtg cggggagcct aacttgagcc ggggtggaaga    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 ttcaaatac    480
aagggcccta acatgtatit tntcttttc aaacttggac cctantcccc ttcccaccaa    540
ntcactaact ttataaacag gcttcaactg tatecttaaa    580

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<210> 7334
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<212> DNA
<213> Mus musculus

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tggtagggttc accatcagcc tttgttctta accacacaat gttgtggagg ccttgtgccc    120
ctatitttaca gatcgatagg gacccaatat attgtttctc tgatccaaga actcaaagtt    180
aatttctagt attataaatc ccacgaatt ttgttgtgtc ctccctctaa ataaagaact    240
ctggtagcat cggtatgc    257

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<210> 7335
<211> 490
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<213> Mus musculus

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<400> 7335
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cttgataaac agcgtgggtg agcttagtga aggacagagg ctctgtgtga aagcagcaga    120
ggancatctc agcaggaccg tccggccaaa tgctgccgcc cacttctcct gcagagccct    180

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cctatcagca cgcagaccct cggctggtat tgcagcagtc tgacatggcc tcaggtggcc 240
cggcagatct gctcctcatt gcacatgtgt caccgccag gatgtctgtg actctaccct 300
ctgcgaacct tgaggactgc tctcagtcct tgagcaccag ctccatgcat ggcggcaccg 360
aatcctcagg gacagacacc ttctgagcag gaggagagca gcacaagggt catgaagact 420
catgaaggct tacaagggtc atgaagacat gtcactctgg ctgcagacca tgtctgtata 480
ctgtttggcct 490

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<210> 7336
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<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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<210> 7337
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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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gaagggctct gggactcttc actggtgatg aagaaaccaa agcagaacca agtttccaca 120
gtaaccgatt ccgaggtggc ttgggtcagc 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 ctgagtaaca acccccatga agggagagat tcaagaggag 480
aatttgacac ctgggaccaa cacaaaattc agcaaatttt gaatttggca tccttacctt 540
gaa 543

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<210> 7338
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<223> n is a, c, g, or t

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<400> 7338

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acacaggctg gtactggtgt ggtatccagc gggacttggc cagagatgac atggatttta      180
cacagctgat tgtgactgac aatagagaag accggggccaa tggcttttca tctgaccctt      240
caggcaatag gacccggagc tgtaggnctt ccaaancntnt ccaaaagnca gaggnctccc      300
gaatgtccnt tntnatcatt tgtanannga ttaccagttt ggggntnntn ttataaatca      360
gtcacttntc cagaggaagg cgaanccaaa gaaatagaga agttantggc aaaagcatca      420
gtagaaaccc acaagcaagc caaggcccgt ntatgntntc cataactttg gcaaggattt      480
gaagttcttt ccacgt                                                    496

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<210> 7339
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gccacaatg ataaggcgtc caccaacaat tgtttgttac atctgtngcc nnngaatatg 120

ggaccanatc tnttnagcna ttcattgagcc acagtntntg anaaagtngc ntaatgagaa 180
 cantntgttg cctaaagaac taaggagacc agaaccgaaa aaaccagaan tcagaaccat 240
 tactgccaaa gggttntacn atnttgacgc cttaaacgaa gctgcttgga caagtgccca 300
 gagccaattg gttccctgta acgtttgtgg gcggaccttc ctgccaga 348

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 <213> Mus musculus

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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
 <213> Mus musculus

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 ttcattctat tgagcattaa gattcaagtt cgttacatca accaattcta atattttctg 180
 caagtctatc ttactttccac tttcttggtt tttctcctta ataactgaga ggatttagac 240
 attctctatt gagactatct tacaatatgc taataggcaa aaaaattacc tcaatttaag 300
 gtaactagtc atagcagatt ttggtagcag ctcataaatt gttttctggt tctgtcaata 360
 cattttgtgt aattttgtgt tttaaaagtc caagctgaat gcgtatatgt gtacttatgg 420
 cattctttgt aggaa 435

<210> 7342
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 <213> Mus musculus

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 aacccaagac agtggacacn tnnnncncac nnnnnntnnn gnnntcaacc tcgantgctg 120
 agccaaagan agtgaagatt tgcctnatac agttccagtc caaatgtagc aagaagatta 180
 gaaggcccaa ggtgcctacc angaaganca agaaaacgnt gggaaggatg ctgaaaaaaaa 240
 agncatctaa gaanaatana gcacctaaac ggcgtttcga nttgtgattg agaatgccag 300
 tntcagcatg ccacctaaag gaggtgtggc atntgagcaa tggccaactg tntagatact 360
 gtagatacta cacagttctt tgact 385

<210> 7343
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 <213> Mus musculus

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ttattttggca gtctgtgtta atgcggtgct ggcaaagata aagaagattt tccaagaaga      120

agnatccatt aggcaaaata gagagagcga gaatttttagg aaagccttnt ctgagcccgc      180

gntccgaaag cccatgtttt ctgaaagtga aatnaaagca aaaccttaca ggtcgttgcc      240

agagaagcca ganaaccttt tagatcaacc caancntcct gccacaagc agagtaacaa      300

natccagntt ttacnttctg tntttgacca attggctgaa ttgaatgaat gagaaataca      360

aacacaaata ccactttaga gtgntcaata gtnntctatc cacaggtaaa tttcatcaga      420

cataccagag gaccaattta tataagctga atgtaaattt aagaaggac agggtaggga      480

aaactatgac atcntcntct tgtatcattg tttttctat atggca                        526

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<212> DNA
<213> Mus musculus

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 tcatcgcata acgggagagg aacttatacct cacatccctc cattatatct tgatgaatat 120
 gccacagaat cgtttgtgga taaaaaagga actgagagtc ttgggggttta gcctatcagg 180
 aagtttatca ataatactac agaagaggcc ttcaaatacat acgctgatct ggaccatgac 240
 aatgaatatc ctaagcatct tcgcaacact agttggnttn ttttnaaca cantngaaat 300
 gatagtgact tnaagtgtat attntaccct ntggcnaata taagagtggc aggntgcntt 360
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<210> 7345
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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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 gggataaatg ggatattttt taaagaataa atcccgcattg tgaaagttaa tgaaggttac 180
 tagcaggttc tttttaaaag aacatttgggt ttttttttaa acatgtgatt ttttaacacat 240
 atatttcttc catattcaga ttggcattca tatatgtatc cattctgtag aacacatcat 300
 gt 302

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 aggcagtga aaagctacaa actgatttgg caatagctaa gcaagaggct gccatcactg 180
 tcttggaact caatgagaag ataatgacac tctgtgaagg aaggcccttc cctagagcaa 240
 ccaactcagt ggatgtactc tccggaggtn tccnnncnnn nnnnnnnnn nanaggaant 300
 tttccctgat canngagctn tccaccnnc tttcccttca nacgnagaan atcantcagn 360
 tcgaanacac cttancggnn aaggaaaaga agatcgagga gctggaagca gagtgcactt 420
 cccagntccc ccaaggtgaa gacagantta cagaagattt ataggaaccc cctncntcc 480
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ggtgaacagc aagatgggaa tgnttcaaaa ttggatctta tggaagaaca gaatccagta 180

actcatgatg atgagaatga aattcctgaa gaaatcgttg gagatacacg ggagatgatc 240

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cttttttaca gtgtgtctct attctctatc aactgaggaa gcactgttaa gcacattgta 180

tgtagcacac acggctanac acacatgtgt gtgtgtatat actcagacag tntgcagtgg 240

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 gccagaggcc gaatgagaag ccaactgcggt tgactgaaaa gaaagactgt gacgagaaga 180
 acggctgtgt aaaattactg nannttntan atccnnatcc tntnagannt nanngnacnt 240
 nagacctnca cnanttnacg nanggtgaag ntggncacac tgcagncctn ggggtggtgnt 300
 ccggaacagg atcgagccct gcctaaccnn ggagaantca cntctntcgg cagacntgaa 360
 gaagntgaac atgttnttaa anccagantc ctgacgacat nccagccctt tccaacacag 420
 agtgttgctt tgttttgntt tntntgttct gtntaagag tgacggggat gaaatacagg 480
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 ctttgactgt ggccgtcgcc aattcccaag cgtctacacc agcacctccc acttcaccca 180
 gtggatcaag agacagattg gcgacctgaa gtttaccagc atggctgtcc cctccttcct 240
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 caanacactg acaggactct tcagagcttg ggtgagggcc ggtttggggg accagcgtgt 180
 ggtcttcant ggcctantng gcttгнаacc ttccacactg nctcatagtc tccccgggct 240
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 accctggata gntgctgac aaggacagag gctgggaaag gagcgccagg gccaaactcca 360
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 ggttgtgtga gacatacaaa gtctntctat tccagttgat nttggatgtg tggatagagt 480
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 actttgagcg gcaccgntgg ccccntgtg tggtagctga aggaggaaga ccactaccag 180
 cgtgtgaaga gggaacgaga gaaagaggac ctggcgctga acaagcacca ttcaaggaga 240
 aagtgggtgtt 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
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 aagaaaatgg gtgcaccttt ccgacctccg atgttttctg gaagtgtgcc aacctagaag 240
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 nnggagcatt ggcggctgca atacattctg accagatctg actttgntcn tcntaagaca 360
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 tccgacatta agctggtctg cagggaggca gccatgcggc ctgtgcgaaa gatcttcagt 180
 gtgcttgaaa acaaccagtc agagagcaac aatttacctg ggatccagct ggacactgtg 240
 accacacagg actttctgga tgttttggct cacaccaagc cttcagcaaa gaatctgacc 300
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 ntctgacntc aggntccagg gantcgaaca taagcagcaa aaagaaagct gcgaaggaaa 180
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 agtttggcaa ggcnacctgg ggagaaacta aggggccaga aaaggagatn gatnccatac 420
 agnccaagga agaantgaaa aaggcccgtg aagaagatga ggaggatntg ctgatgggga 480
 agtttcacag gcacaacat ttcagcagat tccacaggca gggcgaacta tantcntcct 540
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 ggggaagtgg gattcgaggg gtgggggtgga ggaggagggn aaagaagatg aggcagagac 180
 agaaatggag gcagtgaaac acgaaannnn ccacgagcnn agngttatnn tcataagcac 240
 nccaatagtg tgatgntctg atcaatatgg cgganacnnn tcattnatan aantagaggc 300
 gctntcattc cntcccnca aacaccgacc ccaggagttg ggggtggggga ccagaaacca 360
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 gcgcaagaag atttcaccag acttaccaac agcgacgcgg cgagagctga tttctccaca 180
 atgccagtca cacagttctg ggtcaagtgt ttgcagtcac acccagttct gtcagagatg 240
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 agccttgccc tccaagtgt ctttctccat gcctaccccg aaagtgaggc accatgggca 180
 acactccacc acccccacca ctggcctcca ttaccaccta caatgtgtgg gcctggaagt 240
 gaaacatga actgacaaag acnttctnt nctgtnnatc acttntgntc ctttgaggga 300
 tttgcttttn tgggtggttgt tanacagcat tcggccaaga agcaatccgt gagantgaga 360
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 cagctctatg ggggtgaagca tttcaaagag cagtaaatgc ccatgctgat caaggctaca 180
 ttaaaactaat tgggtgtgttc catgcagagt atggattgct naacagagtt catgttctgt 240
 ggtggtgtga gaacgcagac gctcgggcan ctggnagacn gcaagcccat gaagantncc 300
 agantcgtnt ctncntntccg ggaaantntc aacnacntag atnttcanca gaacatnttn 360
 cntcattccn tgntcathtt caccactgaa atagtttcct aacgactntn ttaggagctg 420
 atgtgacatg tntcagggnc cagtgcctca attntntnta gagaattatt tcagctttta 480
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 agctacagcc tcgggatctc caacacaaac agattcccta accgtgtgcy gaagtgcatt 180

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 gaagcttggtt gaacagatag agagcttcca taaggaaatg aatgtcttga acagtaagct 180
 ggagatgtac tacacgcaag gatcggatgc ggactcccat aactctgaag acgtggacac 240
 ggagcaagaa gagcccctgg ttcccagggc ttctccgagc ctgtcagcat caccactcc 300
 nccctgcagt gccgtgtgga agaacgcant gaagctnttc gtcatannt acgtgntcac 360
 catcactgga ctntcgtgct acatactgtt tntggacncc acgtttntnt tcgaaagggt 420
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ccnacncnag ctntcccgat tccncgaact ttgtccatca nanggntnac tantggntng 180
gggtnatgtc accggnngnn nnnnnnnngt gggaagctga gcaagcctgc nagncccttn 240
ccagaaaaat atnagggaan ntacagaaga angaccctgg aatntcnaag gagtggaaaa 300
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tgtcttcaaa ctgaaaataa tatatttatt attgttgcta acgttttttg gttaaatgta 180
agtttttatg tgttgtactc aggccttcct gggattgtaa agttagagat gattctggtg 240
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ccctanccgc ttgcatgtgt ttttctagag acattttcag tgcatttctt tcccaaaagt 360
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 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
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ttgcagatct ctgaaaacag acctgttgct tcaatcaata gtaatcctat tgattaaaca      120
tcatgatgtt tcccttggcc agatatgcac taaactatct caagactcca agcattctga      180
aaattgtggg aagantgaaa cactnaaagc cctcttcaga agaaantcat gacaaatacg      240
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ccccaagca ttcagaggaa aaccaaccac cgaacatcat aaccaagag gagcacgaga      180
ctcctgtcca cgtgactcca cagacaccac cggggcagga gccagagtcg gagctgtacc      240
cggagctgca cccagagttg taccgggagc tcatacctac agtcgctcaa aatccagaga      300
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 gtcaccaagc gcttccatct ggaagggctg caggcgcgcg cgcaggccct gctgttgagc 120
 atggaggggc ctttcttcag ggactatgca atgaacgctt tcgtggggaa agtggtcgtg 180
 gatcaactgg aaaaagtgnn nncntcnnnn nngaannnnn cnnannnnnn nnanntnnn 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 ggganccact gggcatnttc	180
tgggtgctgc agggncagtt gagncnactt tnactncact ggcttgttac caccagaaan	240
tcccaccaac tttaaacctg gattgtacag ancctgaatt tgatntnaat tatnttccac	300
tggagtcaca ggaatggaaa gctgagggtc ggtgtattgg actcaccaat tcctttgggt	360
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<210> 7371

<211> 268

<212> DNA

<213> Mus musculus

<400> 7371

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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

<211> 527

<212> DNA

<213> Mus musculus

<400> 7372

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gtataattta cagagaattt ttaaacttgc ggggaaagat gtacgacctt gattgtatag	180
ggagaagggg gcgtcttagc tgcatagttc taatttgtat aagcaccatg ccatgttttt	240
cattgtttgc cttttatata 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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527

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 ctgagcgagg gaatgtctat gccagggga ctcttggtga atactactac aagatgaagt 120
 tttttaccaa gtgtgtttcg ttttcaaaa ggatagcaga ctatgatgaa gtccacgaca 180
 tccccatgat agcccacgtc acggactntn tcccagagtt tntcatnaaa ggcangncn 240
 tnggcgnctt tntaccacng gcgctntntc cagctgggct taggcntcat gaaagacgaa 300
 gantntgcca agcantacta ntntnaagct tnccttntga accctacatt ggcagatgaa 360
 cttcantcct tantcattca ccagagaatt tagaccacag tgcattctgt caaagaactt 420
 aaactacaaa gcatttcaac aaagaccatc aatt 454

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 gcaggagata gatatggtcc agcaagaaga cacgatctcc caggcaataa ctctccagga 180
 ccacctcctt gacctagcct tctgcttcaa cctggccagc atcatgtttt ttttatgaga 240
 gactttgagg tggaggcagt agtctggatc cttcatgagg acttaganat ccacttcccc 300
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 tgggtgctat ccacgccgcc aggccacat ggtccttggc tggccactgc ttctggtgtt 120
 ggttctttgc ccaggtgtga caggcatcaa ggactgcgtc ttctgtgagc tgactgactc 180
 tgctcggtagc cctggcacac acatgcgctg tggggatgac gaagattgct tcacngnnca 240
 cggagtagcn caggngtgg ggccctcnt cnacanangc tgcntgcant ccaccagctg 300

tgnccgngag gaacccatna gctacatggn cctcacatac antntnnacc accacctgct	360
ntnttgcca cctttgcaat aagggcactg ncctttccac aggggntacc agcctgtcac	420
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 catgctgccc tcagcgcgtg gatcattcag tgctggtgga gaaagataat gataatgttg 180
 cnaggggaaga aacggcggat ggntctggnan ttatacgctc gaaaaacntg ggcaatantc 240
 aaantgcant nctggttcag gatgtggcan atacnntac gatactntcn ttgctgaat 300

gctnttcgcn tcatccaggt ttattggcgt tggcatagtt ntcacantng tggctttatt 360
cagggcaact atgaaatcaa agaaaaccga ctgaatatcc aacttgagat ttccttgggc 420
tcacaggctt gtaagggtgga acagtgcata accctaccaa ta 462

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<212> DNA
<213> Mus musculus

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cgtcatgggg aagaagaaga aagtcccgag gaggggtcatc cactttgtca gtggagagac 120
aatggaggag tacagcaccg acgaggacga ggtggacggc ctggacaaga aggacgtgct 180
gccactgtc gacccgacaa aacttacctg gggcccctac ctatggtttt acatgctgcg 240
ggccgccaca tcaaccctct cagtgtgtga cttt 274

<210> 7379
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<212> DNA
<213> Mus musculus

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gtaagcaaga gattcggatt cgggcataac ctgaaccaa ggagccaaag cccagagaa 120
aaggctgaag gggcttagtg aggacaaaat aaaacagcag acacatttgt acaggtctcc 180
ctgcccctca gaacagaaca attatgagat aagagaggca cagatgggag gaaattcttt 240
catttttcac attgcaagct agagagctcc aataggctgt ttatgaagaa caataaagaa 300
ggcagtgcac tcagtaaaga ggttggtaca aatgtatcgg gtggttttga aaaggcaggg 360
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ctctgtcttt ttttccttcc tcttgttttt tttttctttc ttcttcccc aaagcaataa 480
acgacaccag tggtttggtta caattggcag aaagagttat cttttttct ttaggatttg 540
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 agctgctgtt ttcgaagagg aagatttcca gtcaatgaca tacggattta anaatggcca 180
 acagtgtgac agatctccga gttacaggga tgctaaagga tgtggaanga tgatctgcaa 240
 aggnccagta aagagtactc gaagtcgaca nggagaagag agagatccag aggtcgaact 300
 agaacaccag cagtgtttgg cagcattcag cagagtgaag ttcacgcgag tgctgtcac 360
 agtgctcata gcctttacta agaaagagac cagtgtgttt gcagaggctc agaaactgat 420
 ggtccaggcg gcagaccttc tttctnccat tcacacctca ttgcaccacg gcatccaggc 480
 tcagaatggc actaccaaag gagaccatcc aattatgatg ggttttganc cccttgtaa 540
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 tgtatcgact cctttgttac tcactgtgtt cggccgtttt gtagtcttgt tcagatccat 180
 ggccataaca gggctcggca gagagacaag cttggtcaca ttcttgagga gtttgctacc 240
 ttgcaagatg aggcagagaa ggttgatgca gcgcttcata ctatgttggt gaaacaggag 300
 cctcagagac aacatctggc ctgcttagga acctgggttc tttaccataa cctccggatt 360
 atgatccagt atctgctcag tggctttgag nctggagctg tacagcatgc atgagtacta 420
 ctacatctac tggtacctct 440

<210> 7382
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 <212> DNA
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 agtgagcagg acagtcttta tctcttgcaa ggttcgatag tggcagatca cgactacatt 180
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 attgggatag ctgataatga actattgata tcaagcaagg atcatgaact cttagaatat 300
 agaaattcca aaatctctgc attggtagaa gaccacagtt ntcttgagaa acagactttt 360

ancctactgg attcttcaaa tcaagttctc gagtacttaa gttagtaaata accaaaatta 420
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 caaaacacca catcagatgt tacatgattt ccatccagca gttacttaaa gaaacaaatg 180
 tccctttatt ttctaagcca ttcaatgttg gcttctcagc atcatctagt tattggaaag 240
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 cagaaagtat aaatacatcg aaagagatgc cttgcaggcc tagcaataat aacttaacac 180
 caagttcttc tggatgatcat gaaggtagtt acaatgcttc tgctgatctt ttgtattata 240
 ttgctaacga taaggacatt ggaacagaaa ttaccaaaat accacaggat aacttggttac 300
 cactggaagt accttgacac gaaaattatc ctataaatga gaaccgtggc cagccttcac 360
 aaaaanttat ccttgcaaag catatcaccc tcaaggtatt caagaccaag gtctcagtca 420
 gactcagaat gtgattttga agaaagccaa gactttgttc catgttcaca gtcaactcca 480
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gtcagatacc gaactctgcc aacaccgcga acactagcta agtacttcaa tccttgctat 120


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gccacggcta ggttaaaacc aacattcatc agcaaggtaa atacagcagt ccagttaatt 180
ttgggtggcag cttctttggc agctccagtt ttcaattatg ctgacagcat ttatcttcag 240
atactatggg gttgcacagc attcactaca gctgcatcag catacagtta ttatcactat 300
ggtcggaaaa ctnttncagg tgataaaggn caaatgagaa gcaccagat ccagcagcaa 360
ggaagcaact tcntcatcgg cagcagcncc agcgaaagnt acaggacttt cctgatnntt 420
ggtnnttcagc ttgcnnaa gntcttntca gacaaaccat ntnttcnaaa ctgaagaaat 480
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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 tgnntaacac agcaaaggta gagatgagtg 360
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gggaagggca gattcgcccg gagcgagcgc gcgannnnnn nnnnnnnnnn nnnnnnnnnn 180
nnctcaaccg acccgtcccg gagccggcgc tgggtgctac cctccggctt gccgaggcag 240
ttaggaaagt cgtctgtccc aagagaaaaa tcgctttgca gattgggtgt ttgaagagaa 300
gagagagaaa gagaaaantt tgtgtctntct gccttttaag gtcacgtggg taaccctacc 360
ctgaaatgga g 371

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 aagaagctgg agcaggatga cctggagctg aggagcatcg tgaagctcca ggcctggtgg 180
 cgaggggtcag tgggtccgga ggaaattggc aatttcaaaa tgcccaagaa agataaagat 240
 gacagcaaag actcgaaagg caaggagaag gagaagagga gaaagaagta accagtttct 300
 gctgagcctt ctcaggcntc gagacactgg ggggtgctgac ccagcgccca cctcctggnt 360
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ttggcggcga cacttaagaa gtgggccaga gcgctaccag gccctacttc agcttggggg	180
gccaagctg ggccacctct tccagatgga tgtgggcttt ggacttcttg gggagctgct	240
ggtggcattg gctgagcacg cgaggctgag cgaccggaca gcagtgtgg ggattctgca	300
cagcctggct aacactgggc ggttcaactt gaacctgagc ctgctgancc atgcagagcg	360
agagagctgc cagcncctgt ttcagaagtt gcaagccatg agcaccacca gacccatgca	420
ggagggcctc actgtggagg anccntntgc tgggctacag ggagaagaag ggntcctaca	480
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<212> DNA

<213> Mus musculus

<400> 7390

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acaacgtcat ggaggaatca catgtgaaca ccacagatgt gcctgaaaac gagacaacag	180
agtctgtcac taatgtcaca gaggagcttc cttcagtgac ctctatagta gataccctta	240
aggacaagga ggacttatct accaccaact ccggtctctt caaactgctg aaagaagaac	300

cagacgatct catgatgt 318

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 ggagagattg gttttgacca gttctatgtg ttgatttgca tactgctggc acatcaggac 180
 catctggaag accactttat gtaccgccat tcccgccag tctttgagct gcttgatctg 240
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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
ttcgggggtga anccttcgga ctgtggcagt tacaacaca ccttccatct gggatttgca	420
ggtttagctg tttgtttntt ccctgaggtt caaaactaag gntcctgcag ttacaacctg	480
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<212> DNA

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ttgtgagaat ctctgaggtt ttaactgctc acattttcct cccaccttcc tccttttttc	180
ccnctaaag acaatcaggg gcttgccagg atgggactcc aggcncttc cagcaccatc	240
cttagccctc tctccagtac cctctctttg gaagtaatgc actttgttta atgtattttg	300
cctttaaaaa aaaacaaaag aaacaaaaaa caagttgctt gtttggaaca aaatgagatg	360
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 cagaaaaccg tcaaggaagt actgcgctcc ccgtaactct cgtgcttcaa gctctcggaa 180
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 ttggacccca ggcccacc 258

<210> 7395
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 catatctatg aaaaagatca tattgggtcag agtcaaaaga caagcagagg ttacgaacat 180
 ataaactata acacaaggaa atctcttgggt tctagatt 218

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 gtactctgag cctcatggat ttgggaaggg aaattctccc tcaatggaac gacttccatc 180
 caagactggt ctgctcttca tctccagaaa gaagcaaagg acctcaaadc tcagcatgta 240
 caccagtagg atcaggctga acagtttcan gcnttntgtn tnantcctna gagccaccat 300
 acaaggtaca ntcntttttt tgaacaaatg gcacaattga ntcattggtga antcaacctt 360
 ntggataaga agaaggatta antntgnccc ttggtagagc actgatnntn nntatgatca 420
 agncccntgg atcnaactat gggaaatgaa aaagaaatct caaacataaa gacacacaca 480
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tgtgcctgct tttgcacagt tgtcagtcctt atcagcaagt gtcctgtgag caaaaaaacc 180
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agttctcata acttgggcct tcatttctcc aggcccagct gtcccctggc tttggcagtg 300
gcatattgat gggactgtct gttctagaaa acacatgctn ngatgttaga aaggatgagn 360
tctcagcttc catagtgata tctnttttng agcccttacn tgnnggccta gtaccaaadc 420
aggccatatt cacagatggg tntttnttcc ccaccantga taatcaggcc tttctttatt 480
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 atccaccagg cggcgacacat gtccttccgc cagctcttcc aggatctggc gcagtacgtg 180
 caggacgagg gtgtacgctg ggagtactgc gtccgtgccg agcgaggaca gacggatacc 240
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 cggcaccggc acaccattga ttccagctg ctgacctcnc tggncnagnt ctctatgaa 360
 gacgtggaac aactgcncc ctacgggntg ntagacaata ccagagtncc ccanttnatg 420
 aaggacttgg aacgttaccg gcagcagctg gaacacatca tgaccaccaa ccggctggat 480
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 tatcccttag tgatcctcca tgctatcggg tccaatgggg tccaaaagct tatactgaaa 240
 ctaccaagat gaaagtccta gaatttatgg ctaaagncag tgnctgtgaa cctagtactt 300
 tttctntacn atatacagaa gntntgagag aagaaantca aaagaccaag ataagaaaat 360
 ggtntccnnt nctggcacia aaacattntc caggacatan ccatcaacat ntccagaagg 420
 ttatgaaacc tcaataaatt atgagacatt accttcggaa aagaaattat aacatcacgt 480

ttgagatttt ctttgaagca a 501

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 accaaggaaa taaatgctgg tattgatgaa aactaccaag aggaagcctt tgagaactac 180
 catgagggtcc tggagaacat agaacacttg cctacaaagg aggaaagtgg caaaaatgac 240
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 caaagtctat tctgccagtc caatatttgg agtgaattat gaaatggaag aaaagccaca 180
 gccacttgaa gctctgactg ttgaacaaat tcaagatgat gtggaaatag actctgatga 240
 ccacacggat gcttttgttg cgtattttgc tgatgggaat aagcaacaag atngtgaacc 300
 tgtattttca gaagaactgg ggcttgcaat agagaaactg aaggatggat tcacactgca 360
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 agcttttagtg aggcagtcgt gtcctcagtt gctctggcta ttgacaaaat caaacaggta 180
 cagcttaact gtttggactg gaaaagatga cttttattcc cactgaggat ttactttaca 240
 ttcgagacta ctttaataaa acccnanttt tctntgatnt ttcagaacca cnnaaccatg 300
 aatttnnaca anccattggn attnngncc attntctaag aatatanttn ttaatnttat 360
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cagatgtttt taaggggggtt aacatgaggg aggagcttgg gaaagaccat cttttgttta 180

tttgtactgt ttataatgtg taaccaaacc acagcatcat tccactccc tcaggaaaaa 240

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 ttaagtgaat atatagttta gtaaaaatat cctattttaa tgaaatttat agggttatgt 360
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 gccacaggag tcaaaaatga cactgtcctg atgactgata nccatgtctt aagcaccaac 240
 gattctgcta cctatagaaa ccagttccca tcagcctcag actcttccat ggggcagctg 300
 gctaanttac agcgcaagga atantacanc aaaggaagnt atntgagntn nncnnncccc 360
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 tgtggcaaag ctggcacctn ccaatactnc cntacagggt atagctcccc cggaaggaa 420
 aatatcagtg tggatggggg gttctattct tncctccttn tntnccttcc aagacatgtg 480
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gccatgttca ggtccagtcc ctgtgcttct ccatggccca tcattctccc tgtgtctgct      180
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tcccaagtat acatctacat tgatggcaaa gctatgagcg tagctgcccc ttcctcattc      300
accacatgcc tgtgttcatt ttgtcattgg tgagcactnt gctgtgcaac cttntngcct      360
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tgtgccccat tgccatttca ccctanctca aagtccagga gccaggcttc cagaaaggct      180
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caagcctgag ctgcctagcc acttctatgt ccgtccagtg agcccatgg ataaacacat 180

caagattntc ccatcgcccc cagtcccaaa gaccaccag ggcttcatcg gatggcgatc 240

cggaagcca gcntgtact gtttgagaa gtantcagag gtttncagct gcaaagggc 300

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 atgggattca agcagagccc tttcttttgc tgagaggtgg ggtttaagca gaggcctctcc 180
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 aagacgcgct cacaagaagt tccagagtca gtgataagca aggacgtagt cggcagcacc 240
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aatctttccc tgaaatacag ccagactggc tatttgtcat caagcaatat aattagcgat 180

ggattctatg attacggctg gataaatcct ggcaccaaac ttttgtcact gaaggaactg 240

tgcttacagg agcngaanna tcaacntgct attctantag tnaacaatna atcngacacc 300

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gagcggcagc cctnccctct tggcgatgtg ggtagattgc tgtgctttcc gctggggttg	360
caggcttggtg agtagaatgg cagccaggag gggcattgct ttccttgctg aaccacaca	420
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tattttcatg tgctttcaac tataaaggga atatagtcac tacaggcagc aaggacaact	180
cctgcaggat atggcggtga cccaagggtc ctgctatgga gcagggtgtg tggcaacagt	240
gatcaagaac ttgaactcca gagagcaagt gaggcctatgt cctctgcctc ttttcatgca	300
acttatccat ggaacagcct gtccttcacc ttacagacat gaccatgaaa accaatgagc	360
cttcaccatt ttctgacatt atctaaaggc tattggcagg agcaggcata atatgtgtta	420
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 catgaanatc ntcacatn anantntnga acgcattgnt acggaagcct gccagcagat 240
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 aacgggattt aagtatgatg attgtgggtt atagcataaa ggcttgctta acaaagagat 240
 ntngatggca taagtgaagt atttttacac atctgtatac acacaccaga aaaggaaatg 300
 ttttggtagg cacaantgaa ttttctctct ataannaacg tgcanttcac ggatgggtgga 360
 ttttaagcac gtgttggtga tgttaattta cagtaatgat tattctgttc tgaaaatgaa 420
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 aagataacga accttctaatac agggcatga atgaagaaaa ggaacagcct ggggtccgatg 360
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 gacccgtggc tgagacactg tggtccgagg agatctacct gcagcaagcc cagacattcc 240

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nttccggntc cagcccagag gagcaagtgc gcatgcggca ctatcacacg caccacatgg 420
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 tactcactcc gtccagactg accttagcca catgagaaga gataaacact cacaggtgta 180
 ccctttgaaa gaggctagca ccaggtccaa gnagagaagg cagcagccga gtgcccaggc 240
 ccagattttt catagctggc cttcgtgggg gacaaagcaa aacaacctat ggggtgaagg 300
 tgaacttaac cagagcngtg gacgaaacct agagatggac gtttacagga anctgctcnt 360
 tagtggcacg gatggagggt ttaaagtgt gtgcgtgtat aaagctcatt tgcggggctg 420
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 ttcgggcgtc ccctcacagg ataactctgt tgcagagtgt ccagcacctt caagaccag 180
 ctgtttccaa aaggtcaacc ggagccctgt cccatacaa aaggcctttg ctgtcaaagg 240
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 aagccaagag agccagacac caacctacaa ttcgctgaag actgagaaga gtgagttatg 180
 ngaacaaaac ctcaagagag ctaccgcaca gtcngtngt tggccaagaa aagcactcca 240
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 ggantntaaa ccgctantac caggaacact ggnccctcnn accgnntntc atngggagac 360
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 tccatgagat gaagaaggca gtggacagga ntcattgaaga ccaattcaga aantccacca 480
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 aagaagaagg tgntagagan gnagaaaatt acctntcccc tcaagaaaag aancgncant 240
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 taattttcaa agacctacat gatgatgatg acgaagatga agaaatgtca gaggctacag 360
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caaggacaaa ccccgggcag accccagcac antagttgac aaagatgagt cantccatct 240

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 aagaaagaga tgccaagaaa agacaggtat ggatctctgg ataccagagg atganagggg 240
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ncnnnnnnnn tnnngnnnnn antcccctct nnnattcnnn atgaagacat annacaaca 360
gacagacata tantnaaaaa tacnaggaaa ttanttnagn ttgntnggan ttggnttggt 420
nggagttgga ttggttgag ttgggttggt tggagctagg ttgctatgta acccagagtg 480
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 aaacaatgag gtgcattatt ttcttcatgt tttcccagca gcctccacag ttattagctc 240
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 naaanncnng ggagntacan ttgnacaca atctnatnt ncaaactna actnntgaaa 360
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atacaaggag gagatatagt acaggggagc ggagacgacg gagagtctat ttatggacca	240
acgtttgaag atgaaaactt ctcgattcct cacaataaga ggggagttct tggaatggtc	300
aanaagggcc atcacaccaa tggntcacia ttctacatca cactacaggc agctccctac	360
ttggataaaa aatatgtggn ttttgggcaa ctaatcgaag gaaccacgt tcttaagcaa	420
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acggcaagtg ccagggagac agcggggcac ccatgggtctg tgctaactgg gagactcgga 300

gantctttca antnngtntn ttcagctggg gcataanttc aggatccagg gggaggccag 360

gcatttttgt ntctgtggct cagtttatcc catggatnct ggaggagaca caaagggagg 420

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 gttgtgggta ataaaggagg ctttgngnga gttcgcagaa atgaaagaga gagaagagag 240
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 tcctnttgat tttnccacca tgnaggggtca ctatgtatct atgcncccag gagagtatca 240
 aagctntctg agttcttctt tanaaantct tccaaagact gcaggctttc atcgctctaa 300
 caacgaccag ttgtaaagct gctttcaata ttntctggta attttttatg ttattgccaa 360
 attttatcaa aatattatat gcagtaaaaa cttaattac caaagttcat atattgaagt 420

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 ctncaaaatc tatatgcaag gggcagtaga cactattaaa nccttaacct ttgtcactct 300
 ggagactgaa gaacaaattt tcttttaaatt ntctctccct ttgatacatt gccataggcc 360
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 ggatctgatg aagggtgccca tgcgtatcat agagtgggag gaatgcttac agatgtttcc 180
 cagcctcacc acaaacatgc tgtgtgcctc atatggtaat gagagctacg atgcttgcca 240
 gggtgacagt gggggaccgc ttgtctgcac cacagatcct ggcagtaggt ggtaccaggt 300
 gggcatcatc agctggggca agagctgtgg aaaaaaaggc ttcccaggga tatatactnt 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

<400> 7447

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gagcagcacc tgcagtttct ctccacgctg ctcgactcct tctcctccgt ccaagtattt	180
aacattctcc tcagtgacaa acagaagaat gtcgtcaaag ccaaacctct ggaaataacc	240
aaacttgtag aaaaaaatcc tgcagttaag ttcttatatc ataaattnat aggctggcta	300
aatgacagcc agaaagagga cggnggcttc ctggtggaca tcttggtatan tgccctccga	360
tgctgtgaca gtnggtgtgg aaaggaaaga agtcttggat gatctaacca aggaggacct	420
gaagtggant tntnttcttc aggtcattga aaaggctttg aaatgaacca agttgcaa	480
cctttctcct	490

<210> 7448

<211> 518

<212> DNA

<213> Mus musculus

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ctttgagtga aaaacacaaa aaaagctttg ctccatttaa tatcttgatg cctcgattta	180
ggagtgcagc aaagggatgat tcttaccctg gccctggcac atacaatcca gagatgaagt	240
cagtcccaaa agttacttgg ccaatgaaat ttggatctcc agactggtct caggttccat	300
gtctagagaa aaggactcta aaggctgagc tgtccgcaga caaggacttt agaaagcatc	360
gtagccgtgt ggcctacttt agcctatatt accagtgaat tgtaggcact gtcttcacgt	420
gctgtcctga ccacagagtc tccagaactg aggacataat tgctcctgta tttctgtgtt	480
cctcggccct cttgtctgcc catttcgtgt ccagagag	518

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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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 cttctcacgt taaggcctcc aatgtccaga gccagaaaag aggtaatcat gaaagctttt 120
 agaaagttag acaaaactgg agatgggggtt 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
 atgatgacga cggcttggaa gctntaaaga cctntccctg gaaaccaggc catgcatgca 420
 gtcacgtgac tccaa 435

<210> 7450
 <211> 238
 <212> DNA
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<400> 7450
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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

<210> 7451
 <211> 526
 <212> DNA
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 <223> n is a, c, g, or t

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 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

<210> 7452
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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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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

<210> 7453

<211> 245

<212> DNA

<213> Mus musculus

<400> 7453

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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

<210> 7454

<211> 238

<212> DNA

<213> Mus musculus

<400> 7454

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ataaccagc cttgccagct ctgcgtacct ggaatggaca gaaactgctg tggctgcccg	120
agaagtctga ctttccccctt gttgcacctc ccacaaacta tggactatta gagcaactgc	180
agcaaaagtg gctggcttcc aagactagcc tgaaagagag catttatact acatccta	238

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<212> DNA

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 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 caaatttttag 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 gccccgcga gcctgtgggtc 240
 acaccggaat ttgagaagtc ccctccagca ggtgctgata tgctactact gaaggatggt 300
 caccttctca ctaaaatgga tc 322

<210> 7457
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 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
 <211> 273
 <212> DNA
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 caccaagtta accctgagcc taaaccgcaa cagcatacac cacagcctct cccgcctcca 180
 gagaaacctg cctcatctcc gttcctggta cccatggaac ctaaaccaat tcttccaagc 240

aggaaagcag tgcctctgac ctatgtggcc cca

273

<210> 7459
<211> 552
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 tccaccacac cacaccaagt taaccctgag cctaaaccgc aacagcatac accacagcct 180
 ctcccgcttc cagagaaacc tgcctcatct ccgttcctgg taccatgga acctaaacca 240
 attcttccaa gcaggaaagc agtgctcttg acctatgtgg cccacgctc ctgntcctgt 300
 gcagcntgcc cggnnagntn ngcttntng cntctctgg ggctnncca tagccgaatn 360
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 gctccatcag ctccctcaca gacatcctgg tgtggtcaga cacagccaca cgcanggggtg 180
 tggctgtggg cattctggcc tcgggctgca gctctccagc tgacnggcta caagacgagg 240
 ntccccgcct gcggactntc gccancntnt tgccgagcgc nagntnagct ttntcntntg 300
 gggatgatntn tggaactggn tcagcccntg cantntgtca cgcacctgct ggantntgtg 360
 gagagacgga ntatggaagg catcngttna gntatgcggn acntggcccn tnntctcacc 420
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 agaaaatcat ttcccaanta ctttcttttg gtgnnttagga agctgccggg agactacctg 180
 antaagntnn nnnnnncnann ntcnnnnnt nannnncnnt nnnnnnnntn agnaattttt 240
 taaggaattt actaaccaac ctcaggactg aaattagatt ctaccaagga gaagaaggat 300
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 cccgggacct agtggagatg ctgcaacaac agctggaagt cgactcttgg aattttccgt 180
 aacagtgccg ttccggactg ctgtggaggc aaacattgca tgcagaacct tggcctcaaa 240
 tatccagcag cagcaagtga tggttcagca ggagttcact gtcaatgaca ctattctcac 300
 tgttaggtgg accacagaag atcctgttct nttccgaaca tccatcaatg cctttcttga 360
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 agagagcaga ttgagaggga gaagcaggaa caggagaaga aagccaaggg gtgcctccag 240
 catgccaacg agctccgacg gcaggtgcgt gagaaccagc agaaacacgt gcagaaccgg 300
 ctcgctacct tcgaagaggg ccncncnctn naggaggaag ntgagaagcg ccgcgagcgc 360
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 gtatcatcat tgaacaacgg atgcatttat ttcttaaattg ctgtttgatt cgtggcatgc 180
 aagaatctct tctagacttc cctggatgct ttcttttcat tgagccagag ttagcagaac 240
 taggatggaa gtttgttaat ctgatgcacc acaaccagca tgtntttanc cntantatg 300
 ntgaaatcct aaaaaacatn atntcaacac naaatgatga agacgaagna aagccnatca 360
 aataatncnt gntcccaant nctgncacca ggaatccaaa gagaggnttc attatgttcn 420
 taggataaca tcacccatgg ccaacaactg cagg 454

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 taggaaaagc cagtgatgga gcaggcagca ggagtaggag tccaggccca gtggtggaca 180
 gctgcaagaa acagcagggc tggggaagag actataaggt gtccagacct cctacctcag 240
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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 cggaatcca ggtggagggtt aagaaacnng ngnannnnnn 300

naaggnnnna aannatcngn angagaaacn tntgaanatt gagctgnaan tcgagttacc 360

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 gtcccttgct 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
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 cctaggatat aggcaacctg atggtgcttg aactttcaag agggaggcct tctggaaagt 240
 tccacttcca tticagaggt cggcacttaa cttaccactc cttcccttat gagtctaact 300
 taaaaatact tctggaggca tggtgactca tgctggtgat cgtaggaaac cacttggaaa 360
 ctgaggcagg aggatggaga attttagaat agcttgagct ttgtagtgtg tttcaatgtg 420
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 tcgtcttgta gagtgaggca cgcacactat cccctcacc ctacactccc cctcccccaa 360
 ctaagaccag aaaaaaaaaan ttntttatcc atcatctatt ggaagtatgg ccnccccg 420
 gtggcagatt ttgtgtgca gtantcacat aggtttcttc acccctaata atntnttg 480
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ggcaggaggc tcaactggagt tccaggccag cttgggtctgc acagtgagtt ccagattagc 240

aaggactacg taagtaagac cctgcccttt tctcccaccc acccagaaaa taaatttatc 300

atggctgntt tcttgattct gcacatgaca gaaggctttg cattacacca atagaatgaa 360

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atgcctcgga gtcctcgagt gcatgtatgc caacntccag ntccagaccc agcttgntna 240
 acgacagata gctattttgg aaaacttgca ggcatccctn tcacagccgg gttntgggag 300
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 attgtaaagg ccagtttgct taggtctttt gcatattatg cnttataccg cctagggatt 360
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 ggtctgcctt gcttactaca caagtggctt caacacaaat gctgtggatc atgaagctga 240
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 agattctatc gtctgtgcca tgaagatagt tcaagaaccc ctgggtctgg gctattggga 420
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 aattcacctc ttagagcacg gggttctgcaa ggagggaccc atgggttctc tctgctgagt 240
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 ttntctttt natggacctt tattcaanga caggntagca gcttgaagcc attatgggga 480
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 tctttaaatg tatgagggtg aatctaaata gtcgaggaga caagatccag agcgtgtttg 240
 tatgctatcc tgtcacagtg gtagctgtgg tgcgagagag agccagactg ctggcttacc 300
 acaggacaca ggcggaccct gatccccaac gtgtatgtct gcaagcatat gtgtgtgtgt 360
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 actaagtcca acaagcagaa ggatgctggg cagaacttca gggtaaacag gcaaccggaa 180
 accagcgggc cttcgaaggt ggctattcag cccatgtact acgactacta cgggtggggag 240
 gcaggggaag gtggggctgt ggctggccag aacaggctgc attggtctca agaaaggatc 300
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gttggcactg ctcatcttgg tgctctacct gggatatggg atatcaggaa gcagctggga 180

agtgtcagga cagaccaagg actgcaacca ctttcagaat cctgtgacac cccaggnnnn 240

tgnnnntcaa accaaggaac ctgctgaaga gccattaang accctcagga agtggctgaa 300

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ttntgaantt nattcttggt atgagaaaat gactccaaaa atgataatat tntntgccag 180

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cagtagatnc ttcttgggtg anaagangnn naananncat cngnnntttc aaccactga    180
atttaaacat ttctgtgcct ggaaatactg atgaatccta tgattgtaaa gtgttcgtgc    240
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cntgntgagt gangggggggg ggggggtgca gtntcctnag cagtnctnt ccttcgaggg    360
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atttatgttt ttattttgtc cactgaantc ttgtntgtc accctgtagg gactggaagt    480
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ggggatataa actcagctctt agccagccca tgccttcgat cccagcttt aagaagatac 180

ccggatttac caaacttcag cggccggtct tggagttatt aattgatgac agcaaaagat 240

ctgacctctt caaaacactc ggacaagctt cagtggaggc cntgtggaac gctgacctnt 300

ctacgtcaag ctaccaata atagagaagg caccgatgag tncnntntgg gcccagctgg 360

gtnggtaccc agatattccc aagctgctgc agttagacat tcantcgacc ttcagaaaat 420

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<400> 7498

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agggttatga taagtacatg gagaggttca cagccaccaa gaagaaattt gcatgatatt      180
ctccaggatc atgggacaga cttggaacct ctgttgaaat ctgactgagt caaaggctcc      240
tgatgttgga tacactgcag agaacatttt acttaatgac tttttccttt ttaggactat      300
ntcanataag ctgaaggaaa gggatttagg agtaggagac angaagaacc cttcntcttg      360
anccgtgtag ntcattggcca gtgttgatnt tcaaaactat cattagttgg gctntaagga      420
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ttttcagtat tctttgccat caaattcaca ctttgtaagt aagcaattga gttgttttta      180
ctatattcac agagttgtat aagaaccact tatcccaaaa atatttagtc actccagaag      240

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aaaacagtgt acccagctgt gacccccccc ccatttttct ttttcccttc cctggcaacc   300
actgttatac attttgtttc tatggattgc ctgtttttga cacttnatat aaatgcaata   360
atacaatggtt tggctttttg tgacggggatt tcttatttta cgtagcatgt attaaaagct   420
tattcatgct anaaatcgag gatttntttt atgactaaat aatgntccac tgtatggatg   480
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 ctcacatcaa gcgactgaac acaaagccat accattatit taataatcgg caatggccac 180
 gcggggctga gagcagcagg ctttcagggc actgccgcca acgtgtctct ctcttgagat 240
 gtcttgaagt gctnaccgac angtgtgggc cttggcantc agatcatgcc tccagcttgg 300
 antcccntct tgtgtagacc cttantgcct acagtgggtca cncaantngt gggnccttggg 360
 aagcnaggtg nccagatggt tagaggntcc agcctcaggc caagcancn tgggtgcaaa 420
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 agaaccctgt gcagcgcgtt tgtctctggc cggtttgctc ggcggcgaag cctggagttt 180
 tcctggnnnc nnnnnncnnnn nncntnnnna cccngnangn catccccacc natggctnga 240
 nnaaanggnt nntnngcatc ttantttcttg nctttcccct gactagctnc ctgcctggga 300
 ggcaacacag acgagaaaag accggtgggg atntntgaag gatacatagg ctcagaagtg 360
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 <223> n is a, c, g, or t

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 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 tccntttctca gaacagtggg aaccattccc 420
 caggctaaac acataga 437

<210> 7503
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 cttatatctt tccaccccga cattcaccat gatgcctgag tcttggaag aggaaaagat 180
 gagatagaag tcctactgtg gctaaacact ctactgacac tttaactagt tgtgagtttc 240
 tgacttaact gtcctctgtt gcacaaagtt ctgtaatgct ggctcactta atagtctcac 300
 ttaatagtgt cagctgccct gagtgtgtgg ggctcgaaga gggcagggt gcatacagag 360
 cctggtgaat gaatgctaag ctggtgatnt acttttagctc cacntcaacc cttgaccttt 420
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 tatactcatc ttccaacca tcatctccag aacaacaatt tgaacgagag tcctctaang 180

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agtcacccctt gggacagttc ttagaacaac cacctgagca atgagaatct cttaaanng      240
tcattctttgg gaccaccatt ccaagaatat ctaccaagc aantagatcc caatgacant      300
nntccntgag ataacaatnt tagaaacagg tgactctggg acagcacatg aaacaaatac      360
tatggtgaca aaacatcagc catgctgtga agagaaacaa gtcaggact ggacaggacc      420
gtaggcaaat gaaaataaaa ttagacaatt tattttcata ttatgctgag gtatgccagt      480
agggtattac aattgtcaac ctcatatttt gatggccgga ct                          522

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 atccactgga gtccctccat ccatgtcaga gttgctgcga gaaatntttg ttgtntgccc 180
 taaagaccaa cgcgaatnag ggnnngagac cttcacacca tgccctgggtg cttttttcac 240
 ccttntngtc tggagctgct ttctaattta tctgtanttc aanttcnccg aggtggagca 300
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 aaacaagcta tggcctcaaa ctgcaaccat atctctcagc cctgtcatgg cctgcacctc 180
 accttgccctg cccctgggat cacagttgag gtggcctcct gccagggacg cctcaggggc 240
 ccggtccagc atcgtcttgc ctccccctgc tgtcttcatt cccatttccc tttccctctn 300

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ttccccccat tcctttnttt gngnaaaagc ttttccantt cccctcntac antgcatcca 360
gaggtgacct caagagcagg gcnggaggtg ttagancaac ctctgaaggg aaggggctcc 420
tttaccacc acc anttntagta gccactgtta ctggcgggtg cccaaggaca agatntcttg 480
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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
 agggctctgca gccantctgc caacttttta cacatagaaa aacataacaa acgggcaatn 420
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 caactgacaa acattttacaa aggaaacatt agtttctcca agtgagtctc cttgggtaca 180
 caaaccact tgatgcgcag gcccacatgcc cagtggtaga tagccaacac aaaatgaaca 240
 atagtatttt tgtagatttt ttttttttg gtctcttatt gctttatctg gaggttttat 300
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 acatnnnnna ggttgctaan aactctccag gagacaatag aatgtccang aagngactgc 180
 tgatgtcatg gactacatac agcctttggg tccctgataa tgttctccct gtacngacag 240
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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 ttcacgagg tctatagctc tggggaagtg tatgtgtgcg 240
 aagaagcttg tgtttgggca tctgtagtcc acatctagtt aactgctttt cttaaataa 300
 gtctgtcaac ccagnacncn ntnnttntgc ctntcacct gatnaacncc aaggactaca 360


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cantcggatc tggaacactc agacagctaa tatannttcc antnccttaa aaccatgtcc 420
aagcantntt ccctgttgna aanttcacag cagaaggaca gaacagattc ctaaagggttt 480
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aatgtcacta cagggaacta ttgacagtg attttgaaca atccagcgaa cctcaacaga 180

gtgcaagtaa gaacgggctc catcacggat ggaaagtaca tcctagaaaa aggacaggtg 240

gagctaggct atgatcctna aggaacacnn ccacaatna ccagntttac cctnntggnc 300

cggcttgtgc aagggcagat ggatcanttc attntggaaa gcattgggta taaantaanc 360

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<212> DNA

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acaagaccat ctgtgtctgg aagcctacaa ccaacaacct gcctcttcag ctcaagggcc 180

ataccatttg ggtgaatagt ctagcctttt ctctgatga actgaagtta gccagtgtg 240

gttactctcg tacgggtcaaa gtctgggact gcctcacagg gaaatgcctt gagaccctaa 300

agggcatgct ggatgtggcc catgcctgca ttttcacccc agatggcaaa ntcttagtgt 360

cnggggctnn ttnacaaga tgacaantct gctcaaagtc gagaacctnt cccatgtagc 420

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ccta 484

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 gcagccaccg tcacctacct tttcctatac tgtgcctgga gaccccgagt gtccaattct 180
 tctaccagga ggcaaaggca gctaaaggcc gatgtgaaga aagctattgg ccagctgcaa 240
 cttcgagtgc tccaggacga agataaggag ttagaccgca atgaagacag ctgcgtgggt 300
 tgttttgaca tgtacaaagc ccaagatgta atacgtatit taanttncna acatttnttc 360
 cacaagactt gcatcgatcc ctggctttta gcacatagga catgccccan gtgcaagtnn 420
 gacatcctga aaccttaaga agcccagaga tctntccaca gattaaaatt agacgaattt 480
 gctcactgtg ctgtacatcc aaagcaaaca tgacccttag ttctt 525

<210> 7515
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 <213> Mus musculus

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gcagaaggta cttagagcaa agcctcaaga gactctcacg ctcattttgg agctgtctga 180
tattcatggc tccgagctgg gcaaatatta gctggaagat gtagacggtg ataaggccaa 240
cggcctacac ttctccagac cctaaaaggg tttctgttga cacaacctga tttgtctcng 300
gcagcagctg cactgcatag attttgcacg gaaccctnt catggttggt gctcgtgtgg 360
ggagccaggc acctccctgg atgctttatc ataggagcga cggtcagcac agttctatan 420
tcatgggctt taggaagata agaaccacca atcaaccctc agttatgaag ttattattgt 480
tgtagctttc tgttccactg 500

<210> 7516
<211> 324
<212> DNA
<213> Mus musculus

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cacctgcagc cgtgacatgg agaaaaaagc aggaaacatt taaaatctcc aaggtaataa 180
agagtgggtg cttgcaagcc agggcccaga agaggaagac ctacgttaag aagccccgag 240
ttgtcttctt aaagacctac catcacagca ctaccatggg gaagatgaag gcactggata 300
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 <223> n is a, c, g, or t

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 tgaggaaaag agaaggcaag aggagctaca gcttaaggaa gcacgtgaca gaagcgctga 180
 ggaagcaaaa acaacagaaa tgctgaaaga agaaggntat cagattcagc agaagtgtga 240
 aaagtgtcac caggaactgc cctcgacctc tttttcctca gacaagaccc cagccctgca 300
 ggaagacacg gcaccccttg aggagaagac tatgaggcag gaatctcaac cgggtncctc 360
 gcgtgtgatt tctgagatgc ctcaaagggc tattccctca taanaaaatt tttaaaaagg 420
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 acaccaattc ggaaggggaaa 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
 agcacaaaagg gctccgtgtg tgcttgca 448

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<223> n is a, c, g, or t

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gtgtcttcaa cattcccatc cggcaactgg acggtgggca ccactatgcc ctgggtcggg      180
agggcaggaa tcatgaggag ctcttctcct ctgtggccgc catggttcag cattacacga      240
agcacccctt gccccttggtg gacggacaca gtggcaaccg gggactcacc tacctgcgct      300
tccccaccaa gccctgaaga aacagcagca cacagatccc cctcaggcac gtgatgtgtg      360
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<212> DNA

<213> Mus musculus

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gcgctgcagg agtctcgact gctgtttcta caggggcgctc tgctacgaga aagctgttcc      120
catttatgta caggtgttct tcaactctgat ttgggttcgtg gcaggggcct tcatcattgc      180
cgtcatttat aggggttatac aggggactaa aaaagagaag aagcctttac tcccagagga      240
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<223> n is a, c, g, or t

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137

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 gagtctgttg ggaaggtgga atccttggac aaagagaatg tcaccttgga gagctcaggg 240
 gatcccttcc attgtcatag aagatcagaa gaatccatcg aatacccgag ttggattgtc 300
 cagaggcagt gggactggag tagcgatgag gaagattgtg anggctantc catctccgtc 360
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 attacatttt aaaattgagc aaaatccagg gtgaacaaaa gagaatcgac aaaattgaat 180
 atgaaaatag acaattgtgt cagaaaattg cgaatgccta tcgaggccct gccaaaggtgg 240
 actgctggaa tgagtatctt tcaaaaagct taaacagaga atcaaggaac cgagagctag 300
 taagaatcac catggaaaac cagggcatcn taaggaggtt gagtgatcgc aaacccaact 360

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 caagatatnt tntcttccaa gaagantagg ttactcacca tggaaaagac accgagaaga 480
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 tttatatact ttataaacc tcaaggcagg aaagccacag ntntcagctg gctgaacaca 180
 aagcagtcag nccccgcacc cagacttccc taacagccct aaaggatcatc ttctaagggc 240
 tactgcagtc attcattcgc aacctgagct atgaaagtgg ccaagaaagt gccctacang 300
 aaaaannaaa nnaatcccnc caccacctga 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 aatgggttcag 180
 cctggcgaag aagaattcct ttttcaaaaa cttattcaaa gacggaaaag gtatatccag 240
 agccaagaag aaatgggagt aagtaagcct ggaggttgag agaagaggaa aatgaggaaa 300
 gagagaagct ccagccatca tctgattcac aatcanaaat gaaaattcaa agaattgagat 360
 attcaagtac tgcatagtat atagtgggta gccaacngtg ataaaacgca aattntgaaa 420
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<210> 7526
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 <213> Mus musculus

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 cttgaccggc gtatcctggc ctatgtgttc ccaggggtga ctgcctcta cggtttcaca 180

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gtgtccaaca ttcttgagaa gatcaagcag acctctatca agtccctaga tggctccgtg      240
gatgagaaga agctgcgatga gtgacgcata gctatctgac tctgacggca cggctggaga      300
agctggggcta cagccgcgaa gtgcacccgg tgttcagtga gtttctcatc aatacctatg      360
gcatacctgaa gcagcgtcca gacttgccgg ccaaccact gcacagcagc cgggctgccc      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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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 atgntttgtga accaccangt	360
gnntncantic agtnaaantt gggttntcgg gaagagcagc cagtgcnttt 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 cttttttaaa ataaaaatat	360
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<212> DNA
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 ggcaggcata accaaaagaa agtcgctcgaa gtataaagtt tattctgatt gtctgtaagc 120
 acaacggttc gttgttaaag gatcgagtga gagaagacac tccaaaggaa gnctatnaan 180

tgacaacaga ncctnancct tnngctttga anatggagga agantaccan tcaagnagt	240
caantggttt acagngctc caaaaggcgg ggaaacttcg gactacagac ctgttggcac	300
cctgatntca gtaccctggn tcctcagaag tgggagaaaa nataattntg ttgttttggg	360
acctccacac gggggtgatt antcacagnt ccatagaaac acagattgtg gaaanttgtt	420
cctccttaat tcacaccctt	440

<210> 7530
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tacaagtgac acccgaaggc gaatctttaa atttggcaga agcagacaca gaggagaatt	180
tgcagctgcc ctccaaagag ggnagtgaag acatgtttga cctattactg gggagcaacc	240
atggcactag cagcccagag attcagccca agaagacagt gagtaaagac ggctccaacc	300
cagagatgga gagctccatc acccagcact tactgcatga ag	342

<210> 7531
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 <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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 acaagagtct ggaagagatg tgagaatttg cactctgtat gtcccccttg cctntataga 120
 aagatggcat gattgcccac ccaagcctaa gtctgagcan gagtttgagg agataaacta 180
 ctatctgctt cactgaactg tgacatgcat ggatccgcct ttaacaaacc cctacgaagg 240
 ctttttagact ccggaccctt ccaaaaaaca acttcaaaca tctgacaaag cctagttaag 300
 ggacaacact ggtaggaaga attgttggaa aggcattgctg gctggaacat tttcccaact 360
 t 361

<210> 7532
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 <212> DNA
 <213> Mus musculus

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 <222> (66)..(67)
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<400> 7532
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 tgaggntttt tatgacgctt tagagtcac tgatcacact ggccatagcg ggtccactgt 120
 ccaggtacct ggttttcttt gggaaccaga tatgctactg ctgccggtaa tgcccttgat 180
 gtggtttctt acattcctgt tatcaatgat gatgtggatt agaaatggaa ttngcaagtg 240
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 ggagctgaac actccaacac aactgatat 330

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<211> 475
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 <223> n is a, c, g, or t

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 gattgaaatg tgtaaaaccg ccctcaagga cagacacaca gggccagtgt atgcagaaat 120
 gatcaacaac ctcttggggc ctctggtaga agccaaggac tgcactttga tcagacataa 180
 tgtgtttccat gctctacca 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
gtggaggggtg tggaggggata aagctgggggt gggactggac actagagatg cttgt 475

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<212> DNA
<213> Mus musculus

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agtgaagagg ggttccagtt gttcacttca tccccactag gctgtaacac ggtgaagtct 120
aggccgcggc agggcctccc ttgtcttcac agctatgggc aacactcaca tgtcgccagc 180
aatgactccc taacaagcca cccccccagt gtagcaccca gcagtgtgtg gaccctcaa 240
gagccacact cactgtaagt gctgttcaca cttattttca ttgtatgcat ctgggtgttt 300
gcctgcat 308

<210> 7535
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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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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
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<220>
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 <222> (345)..(345)
 <223> n is a, c, g, or t

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 tactgagtcc aggatgtata agccttttga cctccggaca ataatcacga tcatcattgg 120


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ttgcgggatac 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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<210> 7537
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<213> Mus musculus

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<223> n is a, c, g, or t

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caggggtggaa ggagaggggtg aagtcctgag acatgtcctt tgttgtacac acatgttcgc    180
agacaaacac taaacgttag gaaaaaaatg tattcagctc aagctaaata ttaaaacagg    240
cttctggctg actgaagtca acccagtcct taagtcatt gagtccacca gaccattcag    300
acaacaggta tcagctctat ggaa                                     324

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<210> 7538
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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> 7538

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agccaacaaa cagacaaaaa cagcacagct gctctctggt ctcgtgcatt tgaccgtcca      120
aaaaaaggaa ctcaacgaaa tccactcagg ccaacgactc tcatgtagaa agctaaacaa      180
cagaacacag ggcaacacaa aaagttctac tagaaggaaa catacggctg nggggtgcnct      240
gatttggtag ttncnctnt atgaancnca ggggttgatt ccccagcacn gcataaaatt      300
canccttgcc agtgaatncc tatantccta acctcaggga gatggaaaca agaggagcgg      360
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gggaacaggc tcatgccaga gccaggacac aagactgggt cagggccaag gcacaggagt      180
ttgtcagtgc naaagagcag cagtacgtca gagccaagga gcaggagcgt gccaaggcca      240
gggaacaggc gcgtatcgga gccagggatg aagccaggat caaggcaaaa gattacaaca      300
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tcacccatgg tacattgctt cgctacacgg aagaagttat ttagaacagc tcatttcgag 180

cctgcttata catacaatgt ttatgcatat ttacatcaag gcatgattac tagtcagaga 240

tctnaatgct gagcatttnt tnccagctg gagagagcgn tangttcaca gntnaaaaca 300

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atcnangccc ctagtgcaga atgagattgg ccgcagagac tcggtccagc cacctgaccc 360
agcctgacac atttttntnt tntgtatgga acacattttc agaaagggtt ctatgtaatn 420
tntaaatcct ntcattgcct ggaagaaaat ttttntntc caaagcaaaa aagccaaacc 480
tctgtggcct gaaatgtcca aa 502

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<210> 7541
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 tcntggagag ccttggagga gaccatgtgt cccttgtgca agagaacccg ctntggggcc 120
 ttggagagga cataggagcc aaagtgccag ggnctgggga acaagagggg aaggatggcc 180
 gaggaggagn gaggccagtg ttactgagga agggttcgtc ccagcggcag tcctcccat 240

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tnagatnncc cccagagttg cccagncagg agacctnggg ctantntggg gaaagcatga      300
gggagggagg gaggaaggaa gnagaacccat gagagggaca gaagaaatgg aatgcccatg      360
cccttgcagc ctgcccaaan tccgntcanc cacttgtacc tgggaggtca ggccgagc      418

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<210> 7542
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<223> n is a, c, g, or t

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gggggaaata gacaaccgaa acctcccgtg tgaactgcaa actataacct agggagggag 180

aagaactgtt ttctgcattt taatttcacg caaaaagggt cnagtgtctn tgcggtaaan 240

ttntttnnnt ntntntntacc cantccagna gaaccagag ggtcctatct tggggatagc 300

atcattcnga agagccccag ccagcggcct gtnttcctgt tcccacattg cccggactgc 360

atccctgttt ggggtactcc atctatccta tagagctatg gtcaggtatn tatgaatact 420

gggcgaattt ctgaaacca actcttgcaa c 451

<210> 7543

<211> 455

<212> DNA

<213> Mus musculus

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 ggacaggatg tggaactgca gccagactac tgactgggct ccaggactag taaggaaagc 120
 accatggtca cttaaagact catcctttcc cagacctgcc ttagtttggg aagttgactt 180
 gaagtaacca taatggcaaa agtccatttc tatctcaggt ctcatgact acaaaccat 240
 ctattgctgt attgantngt tngttnttt tttnnagttc aattcaattt aatttttttc 300
 ttaaaaagtt ttggtatata ttaagatgaa attgagattt tttttctcat tagattaata 360
 ttcccattgt ggaaaattgg gcatttagta ttacggttg aaactgccag ttatataata 420
 atctatttta catgtgacac ttgtattta acttt 455

<210> 7544
 <211> 295
 <212> DNA
 <213> Mus musculus

<400> 7544
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 ctggttggag caaaggggtgc caaacagagg tcaagctcgg gccacagga aactgggaaa 180
 atacgttcat tgccatgtgc gaggagtcca gtggatttca gaaatcttct gtgtcttctt 240
 ataggataca gtgacagccc cttactggaa gaacatttta gagctgccat tgatg 295

<210> 7545
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 tgcagtttgc caccgccgta cttcgtgtct cttataaacc actccattgt cttgactctt 180
 agatcaaata caacctgctt ttgccggctg tcatcccgca aactatttct ctattttgga 240
 tgttgtggta accatttctg atattttcac cactgactnnt ggnagatgat tccntnttct 300
 tcactttnac acctgacatc natggcagga ccacatgtga gactnccaat tcccagcaga 360
 cactatcttc actgaccctc caaatcactc agtatatttg gaatacgatg aattttagc 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
 aaggcggggg gcgaaatgtg gatgactacc gggaagacct gactc 345

<210> 7547
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 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 tgaccaaca 420
 ctacntcatg attgctgaaa tacttttgtg atttttataa ggttgaaaaa ttcttaggaa 480
 ggtacgtgaa gctattgcat g 501

<210> 7548
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 <212> DNA
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 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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 ggcagtctat tagaaggttc ctgtatcagg gtgctgcaggc ttgtgactga acttaccctt 180
 gagtgtgaca cccttgtaag agagctagag caagattcgg agaaccaagg tactatatat 240

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264

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60

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aatctcttga tcaatttaca ctgtgattct ctgaagagca tcttttattg atttttgttt      240
tccatgttag ttattcttag ctttgaaaaa tgnatttga gtttttctct tcccacaact      300
gattttccng gcgattcctg ttctgagatc tcagataccn anaacctccc tacgtttttt      360
cattttatgt acnactgggt cttttgantt natctaacta cgattgtatg gttcagagtt      420
ccaggactat gatgattcac ccnaaatntt aatgtttttg ttctaattat gaaaacatgg      480
tagagcacca ttttaacttgt gaccaacatc atatctactg catctctca                529

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<223> n is a, c, g, or t

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 aagaaagagc caaggggaga gggctcttga tcacttagca ggctctttcc tctcttgggt 180
 gttctgagaa gggttttacca ggcaggcctt aggctgagga tgaaattaag gtgcactcag 240
 gtgatagatg tgactctgtg caagcttccc ctaatagtca cctatttatt atccttgagg 300
 ggccgacttc tctngggcag ttcacttccc cntccccac tnggatantg aactaanaaa 360
 atnatnnttg taattntgan ttanatantg gatctgaaac cagaggtaca ggtgtaagat 420
 ccacaacagc agtcggcca 439

<210> 7552
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 <212> DNA
 <213> Mus musculus

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 gcctccaaac ggcaaaatga tnaaatggna agagagcttg ctgggttttta caggagggaa 180
 aggagaggtg ggtgtggtga gtggcaaagg acagncggga caatgacttn ggtgtgggac 240
 agaaccatc ggctcgttct tacattingcc agantcagg cgtcnggtta actgagctaa 300
 tattccactt gctgtgnact atgtcttctt ttcgatgagc tgcattcttc tcctgntact 360
 tcatnaacac taaantaccg atcagctcat gtgacagcca tcagntcctg cttgtcacgt 420
 caccctnttg tantcttttg tttccgttga ttacggctct tccaccaca gaccaaccct 480
 caagtttgta agctgtttcc aagcaccaga agataacagc ccagctntgc aggactagag 540
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 ctaccgttgc catggcagca gtcctcctgg tgacggtgct ggtggtgttc aacttggtca 180
 catataaaag gcggagacag acaaagtatc ctccagcgaa catgacatac aatattttta 240
 taatgaatgg gaagtctttg tggcaaaatt cccaagataa ggacctcaaa aaattcatgg 300
 gaaagccgaa gcacctgaag tacaattcct tcgtctgagc cgggtggaggg gccagcaaac 360
 ggccaccag cactgccag agagtntttt tgcgctaccc ggatagaagt ccaaggattt 420
 gaagtgaact cccgaccttg aagcccagga agaaaatgcg gccgaggag gagccagcag 480
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542

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 tcagttcctc aagacgtggc gaaagaatgt gaaaatcggt tgtatcgtct catgtcaaaa 180
 agnnnnntgt ggactcatct tccaggacat gggctttata gtttatgagt actctatctg 240
 gaacgccagt gatctctgct cagaccccag catgttcgtg gaagtactcc agcatatcnn 300
 ggtcnnncanc atccttgtga ttgggaacat nactgattgc aagttcacac agaatcagtg 360
 gacgaaactg atgtccatca ttaagagcaa gcagatattc ccattctttg acattccctg 420
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gttctgatgg atgaagtact cagtccgaag tgctcggttc aagatcaacc aacattgtta	180
gctaacctg 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
ctatggttga ctatcagcac agatacacca atagttt	457

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<212> DNA

<213> Mus musculus

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gctatttcaa aaaccacttt ctccagtaat ttactatac gccatacaag gagagtgacc	180
caactgtgcc aaacagatgg caactggcta caaatgtatg tatggtgcca tgcattcgcc	240
agtgcaaacc tacattatgg tgacagcatc cttcaccagg acaactcaat tctaaaacca	300
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<212> DNA

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tgccaccctg ccagaaaga tccagccaca agctgggggt cccttgggca attcaacact	120
ggcaaggcct ctagattctc ctatgtgtcc tgtctctcca agaggagtcc ctagatcata	180
tcagagtccc ctaccaaatt gtcccttgac aaatgtacct tcccacacct gggaaaatca	240

gatgcttagg cagcttctgg gtcgtgggcc cgatggccaa tggagtggca gccctcccn 300
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 gtcagaaact aagaatcacc tcagaacacg ctgagaagga gagctaagga ggtgaggcct 180
 gggttgtggg agttggcacc tgacacagtg gttcccactg ctgggttctc ttctggtttt 240
 gattgtctac gctcaggctt cagagccctg ggcattganna aaaanaangg gagaatgaat 300
 angttantat tccatgaagg catagaagna ggtatntggg aatggctgtc gttcnaatntt 360
 ntgggtagtc atggctntca ggtgggaggg ccagggagag ccagtgtccc gtcagtcaaa 420
 accatggcag ggtggcttac attctatntc agataaattc tttttgtttg gtagagaagc 480
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 gacaaagatg gtgatggcta tgtaaattta gaagagtgga ttaaaggctt ggcagtgttt 180
 ctccgagggga cttttgaaga gaagatgaga ttctgttttg aagtttatta tttaaacgga 240
 gatgcttata tttcccaaga aaaaattttt gacatgttga agagtagtct cttccagcac 300
 tctcctgaag aagagaatga agaaggagta aaggatttgg tagaaataag cctgaagaag 360
 atggattatg acaangatg caanatntct tttgcagant ttgaaaaagc agtgaaagaa 420
 gacggacttt tgttggaggc atttggacca tgtttaccag atgcaaagtt ctgctttcac 480
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caggcaggct gttctacgaa gaaaaatcag taagccatgt ctcttcagaa ccaggaaagc 180

agttcctgga cctggcagac cttcagtgga ggtattttcaa ggggcttgcg acgtggggga 240

aagtgccag gatgttttca ttcattggaca tagagttcaa cagtgagaag agatttgtag 300

gcagccaagg catgcntggn tttatnttcc cgcntntggt tcgtaagaca ctggtgggtt 360

acccccaggt ggagtagcat gatttggncc actattctgt taagtggaaa gcctaattta 420

ctgaacgttt ctagatgtgg atagctgcac ttgggaaccc ggagtcgata caagaggcag 480

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<210> 7561

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<212> DNA

<213> Mus musculus

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 gtctgcaaga gagtggagga caggaaagga agaccagtga gtctctcagc ccagcacatt 180
 ctacacaacc tgcagacgac aagtgnctctc cggcgtaggg aataatcacc cttgaaagtg 240
 atgactctga ttgcagacac cgtcccagac tgctccacac ccattttcaa aagccgtgag 300
 ctctcgaatc aatcattact gaggatggca ctgaatncna ttatcacaat aaggaacaac 360
 ccagccantg aaagagntcn taagagggan tctggaacca ccacaccccg gagcactggc 420
 tggagaaaac cggggaggaa acgggcagga gagaaggaag cgaccggaaa ctgttggatc 480
 caaaagcgtg ttttcctcag aaactttcta gaattccatn tcctggatct tgggcaacac 540
 ttatgttt 548

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 <211> 372
 <212> DNA
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 atgtaaaaaa tgagttatct gtcctcacga aacacacata cacaaccaa gatgggtctag 120
 atcagcagtt ctcaaccttc ctaatgccac cactcttttag cacagttctt caccttggtg 180
 tctttcaatg ctactttgta actatagttt tgctactggt atgaattgta atataaatat 240
 ctgatacttt caatgggtctt aggtgacacc tgtgaaaggg tcatttggtc cccaaaggg 300
 tcgtgaccca cagattgagg actgctagtc tagattaatc ttcatatggc ctctatgata 360
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 gccacaacct cccggttaaa gatgggagac atgggaaaaa ctcctctttt aactcacacc 180
 acacatgtgt tctctctgtc tgtgtgagag atgaacagac acggtcagcg aggagcaatg 240
 tgggcagaaa cccccaggt gcaggccaga gaaccagggg gttcccaaga ctttcagggg 300
 atctgtgagg ttggaactgt tttcccatgn tgccacaggn tcnttnncct tcactcacgn 360
 tgaaagcaca ggggtggcact ttccagagcc taggatatgt atggtnttgt gacagtgagt 420
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 acccagaaca attctgcaga catcaactgg tcctccattt tgaaatgaga gtgattccat 180
 ccttaattac taaaaacacc tttctacaaa catatcacct attgttcaca agtatntgta 240
 nnnncaanac nnttntactg gaanntctgg ncnacnata aggattnntc gntaagcacg 300
 ttggggantn tnnccaccn ccatgtgcan ntntnttgcn caatgcggca gattntctaa 360
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 tataactgaa cattttgtgc aggaaggata tctagaatgc agacaggtgc caggcagtga 180
 tcctcctacc agagagtatc tgtggggggcc gagggcacat gctgaaacca ccaaaatgaa 240
 agtattaaag cattttgccg gcatcggtta acaggatccc anacctacc 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 tccaaggcc ccgcgctttg aatcttccag atggataagt gtcaggaagg 240
 gaggaggtgc tgagaccctc tcttcctcag gagtcaagct gtttcactcc ttttctccta 300
 caatggctgg aagtgatctt gttgnaaatc tcagcggtag aaaatgctnt catcaagggn 360
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 tgaggactat gactttattg gagaaaatat ttatttgggt agaattgaaa cccaaccaga 180

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agatgttgtt attaattggt ataatgaaag taaatatattt aattttgatt ttaataacctg   240
ttctgaaatg tgtggccatt atacacaggt agtttgggcc aaaacggtta aaattgggtn     300
tgcagtttca nattgtcnta atntcaaggg cttttcagct gggctatttg tatgtaatta     360
ttcgccagca ggaaacttta taggnnttcag acctnnacan gagaggagac tcttgctcta     420
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aacctccatg agctcagact attgccctcc gactaccccc ataaaacaaa gaaccctcaa   180
gttctctttg ttggagagta acctccctga gggcacaggt gaattagact ttttcaccac   240

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acagaagtgc aaatacagtc acatagagcc cccantgggc agacaacggt tnttntntan 360
tnagaatcaa gacgagtatc ctttcaagta ccagggccca ttgggtccaga agctaagtag 420
catgcatgag agccatctgc caatgggcac acccaagtac cttggctgct ggcatgaga 479

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<210> 7569
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<213> Mus musculus

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tacccttcct tctaataaaa gacccccatc aaccagttcc gtagtctttc accctgatca 180
gaaaactagc cactctcagg ttgatagggtg cttaaacaag aattctgacg aatggactga 240
cactcaagaa aatggactga ttacagggcc cgtgatacca ggacaggnac atcaagagcc 300
actgactgaa ataactgaag aagaagagat gcaagccttt ggcatgtaag gctttttcct 360
tgctaagatt tgaggagaac accagcaaca aaggtgagct aacatcagga ctgctggatt 420

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<210> 7570
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<213> Mus musculus

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ctgggtcagc tgtatggctg caaggaagaa gaaatgccag acgtagaaat tgacattgat 120
gatcttcttg atgccaaccg caaggaggaa agagcttcga aattacagga agctctcgta 180
gtctgctata aaccaacaga ggaattcatc agagagctgc tctcccgaat aagagcatga 240
ggaagctgaa ccctccg 257

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<210> 7571
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 gctggctcag tttcctccca cagcaggacc aggtcggcat tggggacgtc agaggctgag 180
 atgctgcggg aagtgtacct ggtgctctgg gtcacccgca aacaactaag agagctggcc 240
 cgcagncagg agaggcgaag acgncgccgt atgtggtctc atccctccca tacttcccgt 300
 cactntgaac cagtgcaggg cctcaaacad gatncccgaa ntcctcttta ggcaggggag 360
 cccagatcc ttgaaagcc cccacctcan tnttacggaa gattgacagg aagggttcaa 420

tggccatcag gcc

433

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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 tttgtgtgcc nacactcaca cacatagntg cctacttcag 240

tcaatgncag tgtgctttta gagctaacat cttgctacat ttgagaaggt ttcttttggt 300

tgctgccttg aantnttcaa gctntcttat ggaagactga agaataatatt catacagaaa 360

ttcaagaata agcttcagtt attaaacaat gagtatntga aaatcagaat atgatttgaa 420

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taaatactga cagcaagaaa accagctttg actcggaggc gagtgtcccc ccagcccgag 120

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tgctgggcag gccgctgttc ctttcagctc actttcacag atggtagtct cagctgtgac    180
aggacctctg ccatccaagt gatgggtaag caggcaaaca gaaagagcag catgtcctgc    240
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 aatatttgtt gngganttcc nntgatgang gagagaatgg aagnnaaaca aaggagacaa 180
 tgtccgaagt gctaagacnc ccgaggannt nngnannncn nnnnnnnnnn nnngnnaacn 240
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 aanaccnnnt cactggcagg gatccatgga ccctgacaca cagagacagt tntgaatgaa 420
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tactatgtgt cagtggagat cccactgac acacctanta tgtntcaatg gagatcccca 180

catcaatagc tntcctaaat atatttcctt gccatatttc aagatgggta ttntgagaaa 240

cggcccacaa aaatatgtgc tgaagacgtt gtttccatca atctgcatca gcnggnnnaa 300

aaaaaaaaaa aaaaaaaaaa acngcaggca caggcagaaa ctctcttgaa gagtctctcc 360

atctgcccag gaa 373

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<212> DNA

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 catcttacnc agcacatctt tagggattaa tataacctct tagcttttgc ctcccggaat 240
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 gctgatntac agagaagagg acacaaagag atattaagag attctagggc ctccancgac 360
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agattgccat tggagtaaaa cctacccaga tgaatctttt tccattggca agccaacatt 240

aagagagtgg agttaaaatg ttttcaggaa atagcacact ggatgactcc ctttnaaagn 300

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 ctacagttca gaaactcgaa gaaagtaaac aacttttgaa aaataatgaa aaattaatca 240
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 cctctgccac cccacattct actagcaaca gcaccatcag aagtgggctc tctcccaatc 360
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 ctttcagttg ccgatcttcc ttacaagcac atcgtagaac tcacagtagg gaaaagccgt 180

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atacgtatca gctgaaggga catcatccga ttgaagcaga agaaaatgac cttgactgag   360
agagttctca acagctgaag gctctcgtct ttcattctgt gcagagaaac ctgaggtggg   420
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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 tcntgcgac cagtaatgcg 360

gtnccgtagc aggagcttaa gcccatttn tcctcgtaat cattttggaa taagcacggt 420

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 ttgtttggaa ccaaacacat taccagtaa 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
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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 cactgggtgca gttntttant gaaacttacc tggatacggg tacagaagaa 360
 atgacaaaaa ttnttgaata tttttgtgag ctgcagttca aagaaaatgn tgttcctgta 420
 gttaaaacaa gcaagagntg caacaagcgc agaggagcag tgcattgcttt gggttagtga 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

<220>
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 <223> n is a, c, g, or t

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 atccacctat cattactgaa aactacnagc ccccttggtg tngcnttngg agaaanatcc 180
 ccgtagaggg ccagactact tattccatca actttactcc caaggatttg ggcaagtgcc 240
 cagcatcata catggancct ccgggctata tnttcgagga agtggattct atggggcaca 300
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 <223> n is a, c, g, or t

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 gaagctctag tttctgtcta ggaaaatgac tcatttcctt ttctctcagc aaaagtgact 180
 tatggctctc caattaacat ntcagcacia ggtgcaagcc cggcagcctc cagactcctt 240

cagtccctac aagcacttat acatttcaaa gcctgtcac cagtcccctg gcccttccca 300
 cccgcccacc gattactcat tcttcttggt cactcttctc cgctcctgct gctgcttttc 360
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 ggcaaagccc agtctgctac acatgggtcaa tctact 456

<210> 7594
 <211> 411
 <212> DNA
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<400> 7594
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 tagctgtgaa ccaggagatc tacaacttaa agggtttatg caacttggtc attctagaca 180
 tgtatggaaa cattattata tggaaccaag aaaactaccg gttctttgta atatttcac 240
 ttccagaact gaaagccttg gatggagtct caattgagac atcagagaca gagactgcaa 300
 aagatttggt tgggtggacgg cttacctctg acatgattgc cgaacgacaa ggacactcaa 360
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 <223> n is a, c, g, or t

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 agtggcttct ccagaccccc ngcgccagga gtggtntncc cggtanttca cattctgact 180
 gaattttgct ggcacagctc tgtgtggact gttccaagag catgactgca taggaatcat 240
 tatgtggaca gncntttcta tgttnaacac tgtgaatgag aangtgtttn tctntccgat 300
 ttgaaaatgc actgtattcc ctgtgat 327

<210> 7596
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 <212> DNA
 <213> Mus musculus

<400> 7596
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aaactagggg tagaagacaa gcccatagag aagatactac acaacactcc ttggcctttc 180
ttcagctctt ccattccttg gccagagcct gttcccagtc ttcccaaact gcactgccca 240
catccctctt tactgaaggt cggtaccagc aagaactgga ggaactgaag gccttggggtt 300
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 tggaagcagt acagtntgac atcagaggag attcctctgc anctgaatgg gagtgactgt 180
 ggaatgttta cctgtaaata tgcagattac atcnctaggg accancctgt gaccttttct 240
 cagcaacaca tgcccacctt caggaanagn atggntntggg aaatcctnca cagtcantta 300
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ctgaggccga gttagcactg gttcccagagg agccgggpgt ggaacagctg cagctgcaga 180
 ccttgctgcc cgtggcaggt gagctgggct taggccttgc tttaccctgc cctaattccgt 240
 tagtgccact gacccataat cttcctcctc tggtagagga gggtggagag gagcctgggg 300
 gtctgtctag tctgaggggtg agtggcagcc tcaaggctga ggtggataag acgacgcaag 360
 tggatatcga caagatgttg agtgtctgtg ctgcccctct nnnccccct ntatcccctn 420
 agtacaagtg acnatctagc cactgagaat acccctggtc taggcctaaa ccatggctct 480
 aagtccatcg gcctaagcca tcaggtggag ga 512

<210> 7599
 <211> 521
 <212> DNA
 <213> Mus musculus

<400> 7599
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 ttccggggag agaaagctcg ggatgttgct gctcggttatt ctcaggttga atgtgttaat 180
 tttctggact gggcagatgc aaggctgatt ctgaaaaaaaa ttattacaaa gtcctccctc 240
 atcattactg acccagaaaa gggaccgggg aaactcttca aggaagacaa gagcaccatc 300

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ctcaatgcgt gccgtctgaa aaacgagtggt ttggaaagcc atccagagggc ttccattagt 360
gagatTTTTTg agcagaaaca acaattggaa gatatcgtct ccccatcct agcaaaaatg 420
tctacaccac gtcattttgc tgcctcataa agagacctta cacttatcaa caggccaagt 480
gaagagtgcc aaatcgataa cctaagccgt ggtcaccaga g 521

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atagggattt gtcattattg tcaccagaaa aattcatttg gttgcttttt cattgatttt 180
aacatgattt aggatgtttt caatctaggg cttcaatatt ntnttggnac atataagtaa 240
gaaaggacta taaataattt gctgtgtcct gtgagacaca tgttttatttg naaaagtaat 300
atTTatagat atatgtgtag attcattttt tcttgtttct ttcttcctaa ctgtacatta 360
ttatTTTTat aaattttccg tgttccttgt attttctgta 400

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<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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 agccctgctg ctccctgttg tgaccagctt ccttgttttt gacctgctct atgggcccac 180
 aggtgccaac ctgccacgac acagacttct cccaatgggt cagagccagg gggctggtga 240
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 cctgcaggat gcgctgctcc tgctgttcct gggcctgcgc ctgttcttgg gaggtctctg 360
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<210> 7603
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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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atgtgggaca atctaattcca ctcacctaaag gtccagcatc tacctgagga tcagggatgc	180
ttgctgggct gaggaactat tgggatggga tgggnagtca gaacctgggg tnnagacacc	240
tgtctgcaga cagccttgcc tagccactg aggtaggacc cagggaatca gctcaccaga	300
cactggccct actcccctgg agccttgacc tgaagagtca actgggtttg gtaanttttg	360
ttntgagaac ccacgccccaa agccttccca ccctagcccc tgcccaatga tggttccctc	420
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<210> 7604

<211> 312

<212> DNA

<213> Mus musculus

<400> 7604

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caacagaaga cgtggactcc tttgagatgg aattctatga gctcgttacc acccctccta	180
ataatgtgcy cacagagctc tgtggacaaa ttcgagacat cctgcagcag aacctggagc	240
tacacaacct gacccccaac actgagtatt tgttcaagat tagagccatc aatgataatg	300
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<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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 ctgaggagct ttctcaacaa gggattttta ttcgtgtcat tgacctgttc actatcaaac 240
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 tggaagatca ctaccgagaa ggtggcattg gtgaagctgt gtgtgcagcc atctctagag 360
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 gcgagctact ggatatgttt 440

<210> 7606
 <211> 445
 <212> DNA
 <213> Mus musculus

<400> 7606

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 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 gtccgtgggt 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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 aacaaaacaa aacaaaacaa aacaaaacaa aaccttgaca ctattactga agccatgttg 180
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 ctgttgcaga tatgtagagt caaccattga gctgaagtcc agg 283

<210> 7608
 <211> 332
 <212> DNA
 <213> Mus musculus

<400> 7608
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 ttagaagaca gccattcgga ctgcctaacc cacaacctgt cttccaactc ttggaaagag 180
 aattccactc ctcaacaaag cggctctgtca atgcctctcg aagctcactc agctttatct 240
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aacattttcc cattatgcca agatttgaca attcttcaat tcaaggaaac ttggaattc 180
ctgaggataa ttctgcacgt cccagaggca atatgagaat tcagagcaat gtcaatacta 240
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gagttcccag 310

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caccacagaa ttcttcacca tgactcaca actggcactc caactttaca agacagtga 180
attgggcgcg aaaggtccag gtgacaactt acaccaactt gccctgaac tcattcttcc 240
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 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 tgggtccatnt ctgaaggaga agacattcag aaaatcttgt 480
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tccctgaagc ttcctgatgg acggactgtc actctgggaa aggagttatt ccagtgccca 180

gagctcctat tccatcccc ggagattcca ggattgtcgc ccancggcct cccagccatg 240

gctgaacaga gcctcctcaa ggtgcctcag gagctacggc ctcatgtggc ccggaatgtg 300

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 gtntctgntgg ggactgaaga gatgggggtn anatnccaag acccntcaag ttataatttt 420
 cctgatttca aaatggagtg aacagacnnn tcaantcntg ctactccng cagctcantc 480
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 aagtcatgtg agagaacaca cagtaatgca tggggaagaa acttagatgc acagtatgac 180
 attcttaatt tttggaactt tccaagtggc cttggattaa aggtgaaagt aggaacctat 240
 tctctaagtg cgcagaatgg tctacagttc tctatatgtg aacagatgat acagtggcct 300
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 aagccagggtc tcccagagga ttgcatcctg gctccacgga gcttttgaaa tgcaagtgtc 180
 ctgcatggca gcagtgccag gcgacagcct gtggaagttg tggatgcacc tcaccctgac 240
 accagtgaat gccagatatg gggaaagttt ggactgaata gtagttgctg cccccccga 300
 cgcngccant gtagatatcc ataagcttng tnnccatcct gttagctttt acatcattcc 360
 atacatcaat ttcttttatn tctgcttcta gtnatctgcc caattagctc ctagctnntt 420
 gagcnttnna taatgaacat tatnnancaa ntcagacaga gactgccagn tgcgtttccc 480
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gattgggatt tgaaatgcag cggcttgaat ttgatgtatc tccattaaac atggacattg    240
gtcagggttta taaggaaacc tgtttgattt tggatgggga agaagaaaaa gaatgggcct    300
ttgaggaaag caaaatagat gaacaccatt ttgttgcagt ggctgttagg aagcctgatg    360
gatctagaca tcaaaatggt tcatatcaag ntgattntaa gctatcccag aggaagttta    420
ccattcttaa ttttaatgat ttggtagcnt ctgctattcc tatgacacct gaggatcctt    480
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<213> Mus musculus

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aaggagccaa gtggtcttca gtgggtaaat gtgcatattg tgtcatgagc aaaatgggct    180
ggatatagcat cgagactggt ggggtactca tgttcaactg tgttgataaa tttcaaataa    240
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 <223> n is a, c, g, or t

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 aggtgctgan ggggtgaaaa agacgattgt atggcttgtg cagatggact gaaaggagta 120
 gacgggaaag gtgaaaagag acactttgag ctggccagtc acgtgaaggt caccaacgta 180
 ctgcctttcc caccactgc ggcccagacc cacctgctgt cagccgagtc ccaaaggtgc 240

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tgctgcact ggtccctcct gccccagaaa agcactgtgt tcccacctaa ccccagcgac   300
atccactacc ttgccaccct gcaggttttg gggcaacagg gaaagcaaag ctgcagaact   360
aggntcaaaa ccaaggacac aaaacntccc aggaccactg ccaagcatat tatcacagag   420
gccaa gcagc aaaacaggcc ccacgtgcta gaaagcaaan tnttcctaa acntntnttg   480
ccatccctca cagtgagcag ag                                           502

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<210> 7623
<211> 494
<212> DNA
<213> Mus musculus

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 tcaaaatata gagtcccaa ctttctggac ctctaccaac aatatggaat tgtcacccat 180
 catcatccga tcccagatgg agggactccc gacattggca gctgctggga aatcatggag 240
 gagctggcca cctgcctcaa aaacaaccgg aaaaccctga tacattgtta cggaggactt 300
 ggaagatcct gtcttgngc tncctntctc ctcccccccc ngcccccccc nnnnnnnnnn 360
 nngnnagnnn tngnnnnnag gaaggaagna ntatgaact tcctgcttcc acanttcaag 420
 ggtantactg gccacaagca gagctgcgag tgttttagagt agagacattt ctcctttcct 480
 cctgtggcat tgct 494

<210> 7624
 <211> 490

<212> DNA
 <213> Mus musculus

<400> 7624
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 tgagagaccc cgaaaccctt gccatggaaa agtaccacgt tttggagatg attggagaag 180
 gctctttttgg gagagtgtat aagggccgaa aaaaatacag tgctcaggtg gtggccttga 240
 agttcatccc caaactgggg cgctcagaga aagagctgag gaatctgcaa cgagagattg 300
 aaatcatgcg ggggtctgtg catcccaaca ttgtgcatat gctcgacagc tttgagactg 360
 acaaagaggt ggtgggtgtg acagactacg ctgaaggaga actctttcag attctggaag 420
 atgatggaaa acttcctgaa gaccaggttc aggccatcgc tgcccagttg gtgtcagctc 480
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<210> 7625
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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

<400> 7625

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aagctntaca ccntctacag gatgatgata acttacagaa taaaaactct aacatttacn      180
gagagtgcctt acaactcatg gggtagctgtg gtgggttcgaa tgagcatggc cctctaggct      240
cacatatcttg aatgcttggg ccctagttag tggaactgtt tgagaaggat tagaggggtgt      300
gtctttgttg  gagaagggtat ttcagtagag ttggaattag agacttcaaa agcccaagca      360
aggcccagtc  tctctctccc tctccctctc cctccctctc tctctctctc tctctctctc      420
tctctttctc  tctctctctc tccctgccta ttgcctgcag atcaa                          465

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<210> 7626

<211> 521

<212> DNA

<213> Mus musculus

<400> 7626

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gaaagctgca gtccttatct ttgcaaataa acaggatatg aaaggggtgca tgacagcagc      120
tgaaatctcc aaataacctca ccctaagttc aatcaaggac caccctgggc acatccagtc      180
gtgctgtgcg ctcacaggag aaggggtgtg ccaaggtcta gagtggatga cctccaggat      240
tggtgtgaga taatTTTTTT 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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<210> 7627

<211> 445

<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 cacaaactcg tagaaagaag cacataaaac cctggggccga gaagcagaat gccctagatc 120
 taggggaccc tcttgggaca cagctgctcc ctggggttggg gcagctatag gcaactcagg 180
 taaaagacct gagaagcaga ttgggtggca gactttctac cacgcanncc ctggcgntct 240
 ntccanntnt cctgtttcta acagcctgga cctcaggggc tgggaccctc agtntagacc 300
 ccacgcagcc agtcaagca tagttaaac tttgttgtgg tgttgacaac tgcattccggg 360
 gcctctcccg atcccatatt taaacacatt tatagtttcc tatagaaaat ttcaccaggt 420
 tcctggattc ctggcatttc atgta 445

<210> 7628
 <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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ccggctttgg nngttttccc gctcttgatt ggtaattnga ngtgctcggt tnttcntgat 180

agnttantnt tntttcttta cganncaaaa acctatattc aaaacctgaa gattcngcgg 240

tttcccagnt ctngctaggg gaaccgtgta anttntacgg cccacagcca atcntntttt 300

tcttggcgnt ntantcggtt tnttcctaac atatgcgggg gcggtagcct agcttttagcc 360

atctntctga gaacaattaa agcgcttgga agattgcnaa aangcagcgt tttaaaaaca 420

atcggttttg ctgggtagta aagcgtgttt tacagtaatg gcgaggntca ccnagggggt 480

taaggatatt atcttgctca tgacgttgat tcgttat 517

<210> 7629

<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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tggctttcct ggcagaatct tttagtcaca tcacctcagc cctaccagct tcaggcttcc      180
tgagaatttc cacctacata cccctggact tgtctggatt tgtcccggat cctctctttc      240
tacttccagg aggaacacac actctggaat gggctctcact gccaggacga tagctaggga      300
tctcacctca ctcacctctc agaaatggga aagaggccaa tcatgatagt gtgtgtgtgt      360
gtgtgtgtgt gtgtgtgtgt gtgtggacct aaggctttgt gcataagcat aactccacc      420
ntacacactc ttatTTTTTT nttagaatc tccaggtctg ttacaaaaaa aatcaaagtc      480
ctgtttcagc ctctacatn ttggctgatt cactactttt gaaccttggt gttaagttag      540
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<210> 7630
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<212> DNA
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 ggccgtctgt ggctcccacg tctccctggc ctggctnngc ctttttnatt ctcnagnanc 180
 attacaangt ngagtgagca ccatgatatg gcctaaantc attnatgggt gtccaganca 240
 nagcacngca cacacaaacn tgnacacgcc agntccctga aggaaaccaa catggcagaa 300
 taaaaagtaa tatacntcaa attttcttgt gcaacaaaac agcaaaggaa agccaggtgt 360
 tggaggaacc ccgaggaaat tgggctccct gtgccggact gtagntntac catgctgtca 420
 gatggaaagc aatgaaatgc atccctatga ccacctgtcc tgagttggtg ctcacacttg 480
 ttttaattcca actgcacatt ttaaagtaat tgtaagatga tgccctgcct tttaccgtga 540
 gcttgaaga 549

<210> 7631
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 <212> DNA
 <213> Mus musculus

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 cggctctatta gtgccagtga cctgagtttc aaaagtcatt gtaatgacga tctctctgaa 180
 gaattgctac aggacttaaa aaaaatgcaa tttagacaga cttcagcgat agaaagtgggt 240
 cataaagacc tacctttaac ccattcagag tcatttaaac ctctcccgtg taacctagaa 300
 gatgatagtt ctgaaagtaa tgacttcagt actcttagtg gaatgctgag atacataaac 360
 aaagaagtga gactgctgaa aaaatcttct ctgcaaacag ctactggttt aagtcaggga 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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 gtttgctggc cgtcgccttc canaccttcc tctcggaag agcagcttca ttccagcgag 180
 aaatgancaa tcctctgaaa aagatgnggg aggaanant 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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 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tgtntnttaa nccncttg gtttatgact gtctgttctt taaaaactat aaaatgtcat 180
 gaaaccactt ccgtgttata aaagaaattt ggcataactg tgttccttgt nccatggaca 240
 ttcaaagtgt 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

<210> 7634
 <211> 341
 <212> DNA
 <213> Mus musculus

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 cttaagacac cagcttatat atagcctctg tgagtctggc ttctgcataa actttgtaat 180
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 ccatgtcant ctttgggtgtg atcatgtttc tntntgagat aagcgatttg aaantaaagc 240
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 gttgccttct gcctttcagc cttcaactcc atccacttct ctcacccatcc gagcaccggg 240
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 aatgtcttca ccattctgtc acctgtagac cacctccttc tgcttccta caggaagggt 360
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atcttttaca agtacgagtg tgtgggtttcc tgtgacagcc agaagacagc atcggatctc 180

ctggagcttg cgttttttta gaagccacct gacatgagcg caggtcttct gaaagagcag 240

cagctgctga tcaccaccaa gccacctctc canccnnaag gcatgggtgt tntttgagga 300

acgggagcat tcagtcnta gcagattctt ttccagtttt tntcttcct catctggatt 360

ctacaccaca cacaccctac tgacggagaa gctgttcacg gcgagagcga agagacagag 420

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 aaccaagcat atgctgttaa attgtttaaa caggagaaaa aaatgcaact aaagaagcac 180
 tgtaagagat ttttatcaga actggaagtt ctactcctgt tccgtcacc ccacatacta 240
 gagctggctg catatttcac ggagactgag aaactttgtc tggtttatcc ctatatgagc 300
 aacgggacgc ttttcgacag attacagtgc acaaatggca caaccccnct ttcnnggcac 360
 gttcgnatca gcgtattgat aggnatancc naagccatcc aatacttgca caacactcan 420
 ccgtgcnccg tcntctgtgg caacgtttcc nggtaaata cctgagagct ctgggttcca 480
 cctaaatccc tgtcngccct gcaggtgagt gttcttttcg gccag 525

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 gatagtcaag ttccacacgg ntttggatgt gantgaantg ggttggctga aggagaacgt 180
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 gcctgtgggt gggcctctca ttgacagctg agtccattga agaagggaaa cctggaggag 180
 agaaacctgg aggagggaaa cctggaggca gcggacgagg atgttttctc ccaccactgc 240
 caaaagaaga tgtttcacta tgcaggaacc tagaagtttt ctacatggag atggggaaca 300
 tcagctgtaa aattgttcct aagtgc 326

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<211> 303
 <212> DNA
 <213> Mus musculus

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 agggccagag aaagatgctg aattccgttt cagagacaga cttaaggcat tgggatcaga 180
 cacaagtgga ctctgccgct gccagctaag gctgggagct gcttgcctta ctgcataact 240
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ggagtttcag acctgggctt tacacgtggc aaactgctac aattaccgtg tggagtttac 180

tggggtaggg acaccgccag ctggatctga gcatgttgga tattgtaccc agataggtgt 240

ctttacaaag aatggcgagg agctctctac aacttggggt tcccagcagt gtgaccagca 300

cgtttataaa cctgggtctca ctnggtaccc ccnngcnggc ctagactngn tntgtngacc 360

agactgncnt tgaacacata cagatntcnt atntctactt ctcatntgcc aggattaaan 420

tngtgcacatca ccacacctgg ctaaattgacc taattttgag gttcctcata gaaagatcct 480
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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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 tgcttctttc tcctnattga gggttcagac tccttttggg ataatacttt aatcagtcac 180
 gtaggataga cttttgtttc caaggtaaat tttnggctga aactcaaaca cagccttgga 240
 cacatgagac tatctccaaa agaaattgat tggcagcctg aaagtatcac tctgtgtatt 300
 agtcaagagc agagatgccca ggacgactat ctatctgtct gtctatctat aaataaaggg 360
 ggttttattcg agtggcttct acccaatgcc ctgtcactca cagggtccctt acagagctga 420
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 <223> n is a, c, g, or t

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 aggcccaggt gatcaatcaa gcaatggcag agctggcaac agtcccttat ctccaggaca 180
 tcagtcaaca ggaggcagaa ttgctgcagt cgntaatggc agacgccttg gacacccttg 240
 aaggaaagaa gagtgntaag gagcgtgtgt ggaatacaat ccaaa 285

<210> 7654
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 7654
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 gttgaaggat cgggagcaac atatgttcaa gatcagtgtc ctagaagcat cactaaaact 180
 gctgcaggag ggcccccag ggagagccct tctggagcaa tgcttgggaag ggctgaaaaa 240
 ggaactgcag ggccttcgga gtcaggttca agagctagtc caaaaccaa tgaaagcaag 300
 accaggaaag ttgggtcctg ccagtggctt tcaccaagag ctg 343

<210> 7655
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 <212> DNA
 <213> Mus musculus

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caaaagaacc gaggaacgt aaacatgaag gaggattgag aaaaggctgc aangttctct	120
gtccctcata cagacctaga ggaaaattat ggcaacctgg ctggtcctgg gccagtgtgt	180
ttcccttggc tctatacatc taaggcatcg aagactccca aggatacggg gtgactctgg	240
gtatcagctt agcacatgtt attttaggtg tttcaacagt gacaccattg aggtagtgtg	300
gcttagtgaa ggaatgtggg cttggacggg atagaatggg gttgtcattc cacagttata	360
agttaatatt cttattaact tgggcaatca tgtgactact cagtatccta tttaaatctt	420
ataaatgccc actgaagtag gcatggacta nnnnnntgtt gtggatactt ttttaagtctg	480
cggaa	485

<210> 7656
 <211> 285
 <212> DNA
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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
 <211> 278
 <212> DNA
 <213> Mus musculus

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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 ttcattgttaa aatagactaa 300
 aataaatttt cagaattcag acaggtgggt ttgtcagtt attgaacatt tgtgtctatt 360
 ttattttattg 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
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 ncncttccc nccgggctaa ngnnnnnnnn nnnngnnnnn atgngcccct cgaagctggn 180
 ttcttccccg ccaantctag tgcagaagca cccctcttcc cctttnnnna ncctgtttcc 240
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345

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 tcccaaaaca gcttcaggaa gttcctgaaa ctgggtccaca ttcactagct ccctccctcc 180
 caatagtaaa caataaagat tgcctctntn tgaaaagcaa gacaactgag atgaaccag 240
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 cagcctc 307

<210> 7662
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 gagnagtncg cagagagccn ttttcanaca ttactggaat ttgtnttaat ccagagncna 360
 aaatcattct agattnnaaa attattttta aantcaagtc agaaactcan atcatgattt 420
 tttgnaatca aatatttttna gccactata atccaaagac atacttacat gatatatgtt 480

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 cgtgagtggc caggattcta gccacttagt cagagaactg aagagcttat gatgggacat 360
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tacaacaatg ctcaanagat agcaataaat tggaggaaaa tgtgtgtaat cttacagtca	240
ccnaaat ttt acagattgat gtattaaaaa ttaattcctg agtccagaga gacagcttag	300
tatttaagag tgattgctgc ttttccgggg gaccagacct gacagctcac acttgccctgt	360
aactccaata cacacacaca cacacaaacc antacacntt tgaaaaaatt ggntttctat	420
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 aanaaaatnt ccagcatngg gcgggggaca gggcagagnt cgtccactcn ctggtgatnt 480
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ataccagcac agaaacgcaa gagccaggac agnanticctg accactgcaa gcaagctatc	180
cgaaagtggc cgtgaatatg ctttggttatt aanticcttac cacctactta cgtctcacag	240
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caggggccta agaactgcag gcttcaaagg tcaatgcccc ctgcaatgaa tgggttttctg	360
ttacaatgta tttcatatat atgaagttat ttccccaaa ttttatactt actttgtatc	420
tatgtgcatg tggaagtcag aggataactt gtggaattaa ttctcctttc caccatgtgg	480
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 taagccacca ggatgatcaa ggggatgacc ggagggttag aagaggagta gancgggaga 360
 aantgantnt ggagaagcag ntgncanatn tgcgagtnca gctgaacttc aantccatgg 420
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 ccctactgtg agcaagagac acagaaagca ggagatgcat ggtaccagag ctggaactgc 360
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 gtgcccaata tgagatgaaa agaacaaggg aaacgggcct aagtcgtgtg ataaggggggt 180
 aagccagtcc ggtgacaaca gagggcaggg aggggcacac agagcctgag gggaaaacat 240

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tagccttatg tagtgacttt aagcctctcc tgcaagctca aggagggccg atagccttgc 480
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atttctgaaa atatataattt ggtnttggac taatgtgtnt tgaaaaatta aaccatggat 480
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 tggcaaatgc tgtncactgg ttgccccgag gtntcctgtg ggctggccnc ttccctcctt 180
 ggctgaaaaa gacttacttg tgtatgtacc tcacgcatgc ctggtgcnta tggaggttgg 240
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 agagganggg ccttctgacc tatcagggat ggggaacttt ntgaccaaca ntcacntag 180
 tacnntgagc cagacaggaa gtgantggga gagaaacatc ntaggaagtg gaggggggct 240
 ggggcngntt ggnanagcag tgngatccag ccnntgnnnn nncaagcata ccagctgtgt 300
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 gctatgacat cctcattgac caggacctca agccgtggnt cctagaagtc aatgcctctc 180
 cttccctgac ggccagcagc caggaggact atgaactcaa gacctgtctg ctggaggata 240
 ccctgcacgt ggtggacatg gaggccaggc tcacaggaaa ggagaagaga gtcgggggct 300
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367

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 gtggccattg ttgaagcaat tagcgagaga caataaccac cgagatgcgt ttaattcgat 240
 tccgtgcacg ctgcaatccc cgcccgggct ntgcgatatg caggcctggg ataaccgga 300
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 tgacaccatc cttagagtac ctcagcctcc tgggaaacgt ggcattgtccc aatgagctgg 180
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 ctggcttctt cccgccacaa gaacgggtaa ctactaggaa ggatgacggc aggtttacca 180
 ccacctgcca ttatgcttac ccagcatccc tggcgctgta cctggcccag caagaccctt 240
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 cagaagtggg caaaggntac cttntantcc ntggctgtnt ntgtgacat caccagagan 360
 tcaagntccc catcttgaat aggtggggcc ccttgatncc attttaccag tagacgtgtg 420
 agaatacccg ctgtttnaac gtatgaagga attccatgcc aatgntcaca gagaaagcac 480
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aaggaagact ggaattaaat tcctttntga ntcnttgaag ataatgttgg atattgagan 180

naananaatn gcatcagaga tatgtggtga aaggaatcag tctgtttgtg agaacaantc 240

acctcctccc caaatntcag atgttntnta ccacgtntnt tggagatggc ccctgatcga 300

tttttattgg tccactgaaa ctataactca ggaagttacn ncacacgtat aataatgaat 360

attaaaaggc tgatgtggat gccagttcat cttttttcct cccagagtat ccctgaatgg 420

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 tgtgangata aannnnacgg gggnaagaag atcttgataa taagaatggg aagtgtata 180
 tctgtgagtt agcattaac 199

<210> 7686
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 <213> Mus musculus

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 gcttctctca gactgcctct cccacctct gcctttactt tgaagaccag ataccagct 120
 ggctcagcca cagagttcat acttcttcat ggcaacaaag tagcggatga aagtctctcc 180
 cagagcctgc ttcagacact catcttgctc cagggcggca agggcatctt ccatcttcaa 240
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tgcagagagc gcaccgcaaa atgaggtcaa ctgggaggaa tgcagagacc agatgtggaa      180
ctaagaggaa gaaaaacaca cagacacaga ataagactgt caggatctcc agcagctcgc      240
tctccaccag cttcctcgcc agntcagnat ccgctgatag caggtngtgg gcaatgacca      300
ggccccggtg ctgcacggac aactggtcac gcaggcaaan ccgctgtagg atntccancc      360
actgggtngt ntgcagagtg gaagctgaag aatnagttag gaggnagagg aaagactttt      420
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gtgattaacc agattttata ggcaatgttt caaacaagca ccaggctgtg tgtcnnacg 180

tattgttggg atgatttcat taggttctct gataaataat gcaggctcta angatgcatt 240

tcctctttta aaaaaaaaaac ccacaatgga aactccattt cataaagcaa agaagaacta 300

tggcatctgt ttaattttta ttacttttaa attaatccgt aagntcttaa gaagtggata 360

ccgacttgaa agggggagaat aaaagggagg ggaaaggttt acctgtttta aaggtgaact 420

catgccccgg tgagtggaaa atggatttag gtcaanngcn nncanngnnn cccacnttc 480

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 tgccttccct agactggctt cattatggac tggagggttg acttagtagt cacctacagc 180
 ccaaactctgc tctgttcttg tttcccatgg caggacttgt gggactcact tgatgggtcat 240
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 ggcctttccc caaagcacag ctttgtcagt ctctcagcca tcttttggtc ttcaataagg 420
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 gagagactct gctacaggga cagatggaga ggccaatagt gactcctcaa caacaaggag 180
 cctaaagata acgccaaaag aagggttaca ccaagtgact ggctccagt gaccccagga 240
 aatcacacgg gacactagga ctaggcttca ctacagagga cacacactcc ctgagggcaa 300

tggggagagt ggactccttc cttggcttat atggactgct gttatcctta cagatgnttc 360
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 ctctctgaac tcagggcttg aaaacgcctc ctctgaccc cattggcaca tataccccag 180
 cgtgtgctaa ggccttgttt gaagccaagc gcttgttgat ggagtccaaa gacatcttaa 240
 cagagatggc aaagaatgag gtggacattc aaaatcaaca acaggagata agcaaccgtg 300
 tatgctcctc gctggcacag aagatgcgtg agaccttggg gttgaaggaa agaatgacca 360
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 ccgggaagtg atgaatcgga cgccggcgga gccggaaatg atccagccct ggagccccag 120
 cctaggcgaa ctacttacca acccccaggc tctgacgctt ggcaacctat tcctgctcgc 180
 ggccaccgct gcacttgggt ctgccnnnt nntntnntn nntntnttt ctcnatngct 240
 gaganttnc tggctngnt ancnggcaa cntttgtnac cacntcaaca gctntagcat 300
 ttaantgtta atttctcca ncaacaggac acaaaagtaa ttgagnatgg ccatgaactt 360
 ctcacntcc tgccttcaac ttncaggatga tacagattct aggtgtgcat cacac 415

<210> 7693
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 <213> Mus musculus

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cctggcgcg g ctctactttt atctgaacgt gacggggcct cctccgcctg aggacactga      180

gctccaggtc acgttccggg aagtgatgaa tcg                                     213

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<400> 7694

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acctccccgg acgggctcct gatggaagga gnnnagcagc ccagtcccgg tcagggccct      180
ttctttctaca ttggaggcac caacggagca tcaataatca gcaactactg tgagagcaag      240
ggctggcaac gcactcagga cagccactgt gaggactaca agctaaagtg gtgtgagatc      300
aagtgcaggg acaactactg cagctttcgg gaaggccagc agttgctgtt ccagctcccc      360
aacaacaagc ttcttacgac caagatcggg ttnttcagtg ntctgcggga gcangcacgc      420
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cccagaggca cgcccacttc ta                                              502

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gcagcccagt cccggctcagg gccctttctt ctacattgga ggcaccaacg gagcatcaat      120
aatcagcaac tactgtgaga gcaagggctg gcaacgcact caggacagcc actgtgagga      180

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ctacaagcta aagtgggtgtg agatcaagtg cagggacaac tactgcagct ttcgggaagg      240
ccagcagttg ctgttccagc tccccaacaa caagcttctt acgaccaaga tcgggttnnt      300
cagtgnctctg cgggagcang cacgcacttt gagcaaanc caggatgctgc ccagtaccca      360
aacca                                                                    365

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 catgccagnc agaatactga agataattca tatctccatt tatcattcat tagaatagaa 180
 ctcaaattct ctaaattaca ggaaaggcaa gaaagcactt ctcggatatt gggccaacac 240
 ttcaagaaag aaccattgta taaaagagga cactagtagc ctgtgttttc aagttgttac 300
 gtagattctt cgtcatccac ttagcagcct cattcaagaa gacagttggg agccttgga 360
 gncctgccgg ttgnatggct gtacgaggac tggaatcctg tgntgntntt ccttgagcag 420
 agtgactgtc atacttgga gactgacntn aatgtntacg gggtgctcac cattgtccca 480
 atgaga 486

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<223> n is a, c, g, or t

<400> 7697

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gtgaaaatca acatgaatgt tctcagtgtg gaaaagcctt cagtacaagg tcctcgctca      120
ctggacataa tagcattcat actggagaaa aaccatttga gtgccaggag tgtgggaaaa      180
ccttcaggaa gagctcatat ctaaccagc atttaagaac tcacactgga gagaagccct      240
atgaatgtaa tgagtgtgga aaatctttca gcagtagttt ttctctaact gtacacaaga      300
gaatacatat tggagaaaaa ccatatgaat gcagtcactg tngnaagct ttttaataatn      360
tctcagctgt gnaaaagcac ttinatgactc atactggaca aaagccctat ggatgtaacc      420
actgtggaaa atcttttacc agtaantcct acctgtctgt gcacaaaaga g                471
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 cgaaaggaag cccgaaaaag agaactgaaa aagaacaaaa aacagcgcac gatgggtccgg 120
 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
 catgatttttn gttccttcaa gaagccaatg tagattgtaa aagtctccta agtatactaa 240
 catttcacac aaaacntgcc atagtttttt gaaggggggtg agggaaaagc ttcaatttag 300
 gttttatttt ttcaatatta aattttccat cttgaatatt ggtacctcag tgattagtgg 360
 atgaaaagtg taggggtgga tttgtcttat gatgagtaaa gatgacaatt aaattgngtc 420
 tgcnagngcc tgtgtagata agtattcttg tncctcatct ctagtttttg aatgcatgct 480
 ctttttncctt tttctttaat acctttgcaa gcaaacttgg tttttat 527

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 agctgttccg atcccttcaa gcgcagagga aagcccctag ctgaccccca gtcagaagaa 120
 atgaggccct ggcaggtgcc gccctggcct ctggcagcgc gattccagca cagcgcacct 180
 ttttccagtc ttcacctttt tccagcgtgg cagntgtttc actggacagg accagcttgt 240
 acttggaaca gantccctgg antccccant ccagccctgt gcatntttga accaggaaca 300
 gccaatcttt ggaactgggt gggcttatcc ttgactgatt ggcaactggg cccaagagg 360
 ccaagcagca agttccactg ctgagagagc acgtctaata ccacatctaa taaagcacag 420
 gcttagagct actcggcact gggcgtagct tgggatgctn ctgnacgttn tgatgtctct 480
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tggtgtgttt ctttgaagg ctttatactt gttactttgc tgtaagggga taaaaacagg 180

atataaagtg gntntggttt ggggtttntc nttggtagtg tcgggtgttt tctgtttgtg 240

agaacagcac tagatgtaga aagtttctcc tcaagtacaa catggaacaa gattagacaa 300

ctgtctgttt tactgaaatc agagaaactt gtttgctttt ctgtatctgg aaactaaatg 360

caatgttacc tttcatcgc aatcatggat acacttagtt ccatcattaa atttttatgg 420

ggaagatagc aggatgtnaa atccattggt tgtagaaact ggaaaaggaa tctacaggcc 480

tgttttcaca anttcggcag cgcagacaat gaggacagca ctggcagctg aggagcacct 540

ttgcgaaact gcag 554

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<211> 508

<212> DNA
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tttttgttat gctcaggaac ctcttgtata ttttactatt taaaaagcat tttttttaaa 120
tagcatatgt ctccaatttc tatcaacaag aaggaaatgt acctggggag gcagcttggt 180
tgtaaagaaa tagtgttacc cttttacaat gaactttgca cactggggtt ataaacttgn 240
ttctacactg taaacataat tcatttttaa aataaatgct tagcagcttc cataaggata 300
gactgacatg ctagatatnn agaattattat agtatagttc gcattgaggt tctgtagtag 360
tttttaagaa atgataacac aattcctatg tgaaacacat gccttgaata gtagaataat 420
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<210> 7703
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 tgagaatgtt cactttgcac acaccagtat attgctgagt tttttagtga gggctggaaa 120
 gccatatgac ttacagatct atcctcagga gaggcacagc atcagagttc ctgagtctgg 180
 agaacactat gaactgcacc tgctccacta ccttcaggag aaccttggat cgcgnatcnc 240
 tgctctgaaa gtgatataa tctgacgcat gtagaacttg gtgtacactg tctaacaaaa 300
 caaagagggt tagccaatag agaagccaga gttgatgaac ctacttttgt acctgccaca 360
 taagatctat ttctgaaagt aaatttggtg ccatgcanga aatctgcagn ttcattggant 420

agtactctan atacnttaac catngcncat naaactgagt gacatgttcc caanggattg 480
 aacagtacct gaggatactg aaggaatcaa ggcaccagcg ccaatattca gactagccta 540
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<210> 7704
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 tgtccctgag cccctcaaaa actgatgtca ttcagtgggg aaaaggaggc tcaaggttgg 120
 ctttttccat cgctacattt attgcttgga taaaattatt atgggattcc tgcctaaaga 180
 caagctttta aacataaacn gtaaaataan taatagcctt ttgaggaanc aatatgcttg 240
 tgtattgaat tatataacga aaaactatth gcttctcatt gtaacactta tgcaaaagac 300
 tattattgca gttgctctta cgagcttcat aaactgtgca agagattggt gtcttaactt 360
 tcagcagtgt catgaaccat tggtgactga ttgtactatg ctacgctgtt aacatctgta 420
 tagctgcgac atgtttcccc aaagatcttt atagtgtctg gcattccagg taatggcctt 480
 gtgcttgcaa aaggccagct agggattgcg gcactttctg 520

<210> 7705
 <211> 263
 <212> DNA
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<400> 7705
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gcggcacgtt ttctacctic agcatcactt aaatggcagg ctccctccca acctgactca    120
cctgtcacct gcagactgcc ctggggggcgc tttgaatgac tcgctccaga ttccaacaag    180
ccctcaacta tctcaggcaa tggaagtgga cggactgagt gactctagca agcaaggcta    240
ttcccaggaa accaagcgcc tga                                           263

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccatccttg ggcttctcat ttgtctcttg agattggctt acatactttg ctcacctctg	180
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agaatattaa tccacccgca gaagcacttg ncgctgactg cagttctgag naacacaatg	300
gctacacggg tggatgggag gacntcance anttcctnt caagcgtgtt ntcccgttat	360
ccanntcaga accaaagcca ggagggttgg aatttatata gaaaaaaaaa ataaattgct	420
tccaatgtaa tntatitttt aaatgattat ttaaaagaaa ctaaactaat ttaagagttt	480
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acagnatnnt cacaacant cccacataca cacacacaca agttaggggn aaatttcctt 240

aggaaatnta tttttacttt tntattatnt ttaaataaaa atntgatggt tgtccagtca 300

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 gaanaggaga accaagtgga ttgtagcccc tnaaacgatc attaaaattt aagaggcaga 180
 ggtgaaatca gagaaatagc agtgaagatc aggggtgttca agactgatgn tgcagctgtg 240
 atgatgaacg cagaccaaag attgaattaa atccgcaa atcggtaaa acataccana 300
 cactggatg tttntgtgag agtgttncnt gggaagatca agcagctagt gantccggcg 360
 ctgactatgg gtaatactat cccataagct aagggncca atatgattaa agacctaagg 420
 aaaaggctta tgcatagaatt nttntntntaa ntcctaacca atattatttg acctgntntc 480
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 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
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 tggcgcttgc cagcatgctg acagatgaga acangaggct gaaagaagag ctccagatgg 180
 gcagttgcag tagcaactgc aaaaccagga cagntgtgga ntntcaciaa tnttaccaa 240
 acagctggct cactntctgc agagggagtg agagaggacg catgtaggct tggaagcaga 300
 gtagagaagg aggaggagtg gaattttcca ttgtagagaa attgtatntc ttagggaggc 360
 tccatgcttc ccattctttg gcttataaac agatgaagaa gannnnnnnn nnnnnnnnaa 420
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 tctacttcct aactttgttt ttccttaaaa aggcctccaa actgtacctt tggaaggaaa 180
 ggggggtacag agcctaagca cctgtcatca atccagtggg tttgtataaa ctacaataaa 240
 atacaacagc cgtgttgtaa cctgttttca aagtagcttn tggatgatgaa ctgacagttt 300
 taaaagaaaa ttttcattgt gagattaagg ntcccaacct atgaggaaat aaatttatnt 360
 taaagcaata tgcgctccgc ttctgggttaa atagtagcca ggaggggctg gcaagatcat 420
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 cccagagacc attttttgaa caagactgct ccagnactc aagccagtac agcagccgca 180
 agtaggaagg gagccccaag tgcgaccag actcaccac atggtaaaaa accagaagga 240
 gaggatcgga gaaaacagct ggaagaatgg cagaaatcca aagggaaaac ctataaacga 300
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 aagagcattg aaaggaaga agaagaaaag aaagcgcagc tggagctgtc caagaaaatc 420
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 ttcaccatag tatccagtat tcctgaggct gaaa 514

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 gggtgccagc atgagccttc cctatagggc cttcagatgg ttgttgtgtt cttagaggc 360
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<210> 7714
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<213> Mus musculus

<400> 7714

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tggggggtcac tacaacacag ggaactctat taaaggggtca cagctttagg aaggttgaga    180
accacgctat aaaccttgct aaaggttata aatttgcaga tgataggggg atggggacag    240
aggagaatat ggttacactg ctcatatata aagttctaaa aataataaat ataaagacaa    300
gaatatgctg caggcccaca gatgtacctc atggagagca gcgcttgccc agagtgcaca    360
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<400> 7715

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ttgtgtcccc tcggccctc tggttcacca ggtgttcccc accttttcac accaatcctc    180
ccttgacctt cttccctctg ctttttcacc ccatttcctt ctctccagg ggtgacctgg    240
aaccctcctc acagaagctt tcatcaagtg aagtatgtgt ctcatctccc tgaatccact    300
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ttcagaacca aaagtagctg tcaccgttaa cttccgcaga ggtcaancat actagctcct    360
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ccggtctgta gaccttcaat caccaaaacc nnnnnngnnt tccaggtctc tacttcagga 240
accaagacag gtcgctgcat ccccaaaggc cgggccttct gtctcaaaga ggtctgtgac 300
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gctggaannn aggtntgttn tcctgccctg aaccctggga accccttggtg gagtttgctc 480
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a 541

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tgccatttta ctgatggatt cagtgaaca gatggaccat ccacctgacc aaactgcaga 180

atcgaagtat ccatgcacgg agatatntc ttcacagaaa attaaaaatc ccacatttaa 240

atntccanat agtcacagac tctattatat gactgcaagc agttccttcc tgtctgagcc 300

tcagtttctc tattacaatg gagagagtta aactaaacag attttcccca aaggatgcca 360

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<210> 7718

<211> 523

<212> DNA

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gtcctggant ntntggggcc gcacctcat tacccgagaa ttngttagaa cgacacattc 360

acgaccacac ctaaacctac agaatcagaa acgncncnnn tagtgggggc ggtcctgaaa 420

cctgggtaac aagctcccaa ggtgaatctg atggccgctt tccctaagca gtagagaccc 480

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<210> 7719
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 gccgcctagg cgggcgtagg aacacgagct ggTtctacg aactccattt ctgcatggag 180
 gcggccgagg ctacaatgca tggtcgagag ctgctgtcta tataaacact ggagaaatta 240
 caaggccgtt cagaataatc tctggttata agtgaactac agtgatgaag gaaacgttta 300
 taaaacaaca caccagacta actccagaaa aaggaaagaa aactttgaga ggaaaacctg 360
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 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
 tttgcttggt aagt 434

<210> 7721
 <211> 93
 <212> DNA
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<400> 7721
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 aagacagtga atggtaagag agttgtcaca aag 93

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 caggtttggc cataataact ctagtggaat tatttggaact aatttatatg aaatggcttg 180

acccaatgat aggtttccat aagacacaaa agtgcaggca gcgctgtctt tgttcccagag 240
 tttcacactt tgtctcactg gctctcaagg aatactaaat ccaaccannt nnngtccaga 300
 ncaagatgcc agacgttcca agtncnncnn nntcaccttg nttttntcat cncgtgaagcc 360
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 tcaagtt 427

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 <213> Mus musculus

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 gagaaaagcc tcaaagtgc 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
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 <212> DNA
 <213> Mus musculus

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 ggagctccaa gagaaggaga cagtgtctga gcaacggagg agctctactg gcaaccagc 180
 tgtgtcctgt tatgggcacc ctccagccag ccggtatgga ccacatccac agaaccacag 240
 ggccccaac ctcatggttg ggtttggcca gtgggggatc ccagtggatt tgtacgcaca 300
 ggttaaagtg aggatggact ctctatgtcc ttagcttctg tgagcttcct agccatatcc 360
 cacatgctgc ctttgactt 379

<210> 7725
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<213> Mus musculus

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gcggcgctcag cggcgccatg gcaaccagaa ggcgcgngn nngangnngn cacngacgnn 120

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nnngatnngg gnnngagtcg ggcgaatccc ggaagaacgt gcggcgtata acctcagtcg      180
gccgtggggtt ccacgagagg ctgcgttccg ggtgatggcg acacgggtta cgcgacaacg      240
gaagggggcgt ggttgcatcc gcaaacgct                                         269

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<210> 7726
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<223> n is a, c, g, or t

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aagaagaaaa tacaggaaaa caagactccc attatgatct gggagattgg taagaaattc 120

agagccaacc agagaactca ctcatacaaa gaaaaggacc gccacggaga ggagaagtca 180

gaaaggccac cggggaagta cggacaaaga gttgnnnna gagactgaac agatacggga 240

tccaggcttc aaangctctt ncnggagana tattctggaa atntcctnna tctacnanac 300

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agaaccaatn tgaagtggca gactcgtctt gagagcagag ctgggttttca ggntccaggn      360
tcccacagct tacntccctg agtggcagtg ctgtcgagtg gagggtagca actnccatnt      420
cctggcttnt tgactttggc atctagtaaa gttttcaagt gcatntcctg accatagaga      480
ccaacaaatg atgcgtaaat gtgcccaatg aggtctagct agctcagcca caaatg          536

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<210> 7727
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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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 gtgcctcgga ggagctgagg gagacctctg catctgaacc tgccccctcc gtccccctact 120
 ccgcccgaagg tggccacggg gactgcccgt cctcatccag tctggaggct gtgcccagta 180
 tgaaggatgc catgtgtgag gaaaggagca gcagccctag aagcgcaggg ccataccttgg 240
 ntgagccctn tccccagna ctgcagccct tgtcaccacc acctgtggag gacatntgct 300
 cggatgantic agatgacatt atnttttcgc cttttctgcc caggaagaaa agcccntccc 360
 cgttctaaga cccagccat tgccctcagg 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

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 cgccggctcc cagcaggagg acaaactgca ctgtgaggac attggagagg acacagtcct 120
 ggtgcgtagc agtcagggta gagccaccct gcccaggagc agcagcctgg accgggactg 180

ggccatcacc tttagagcagt tcctggcctc gctcttgacg gagcccgctc tcgtgaggtta 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 gtgtaccacac agaagtgttt cgacgaggat gtcaatgaca 120
 gactttctcaa cagtaagatt cgggagcaga tcccttt 157

<210> 7730
 <211> 296
 <212> DNA
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 <223> n is a, c, g, or t

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 gggagcttga cggaggctaa gcctccacgg tgctgtgagg ggtccatagt atttttttgc 120
 tgcnnctgag tccccaaggc cttaaagng aagtgcagat agatgcttgc catcagccag 180
 cccagacttt taccaggaca acagggaaca gaccctgtgg gtttggatga gattggcagt 240
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<210> 7731
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 <213> Mus musculus

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 aaccatccgc tgtttgtact gggctatggt tggacgagac attttgatct gaccatagct 120
 ttggactggg aaaaacaaaa gaaagaaaat ccatntnnng nnnnnnnnnn nnnnnnnnnn 180
 ntttatgaat cgagagtcac gtcacacct gatctgaaat gtgctagcag gtattcattg 240
 cgtaaggctt gatctttgcc ttgtaagaaa cactggtaac aacaattcag cttatcatat 300
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<210> 7732
 <211> 369
 <212> DNA
 <213> Mus musculus

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 <222> (139)..(139)
 <223> n is a, c, g, or t

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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 ctgagaatta ctactggtg tcagcacagg 300
 atgtttcttg gcttcaaacc atttggataa gtgatggcag caagttcgcc actgtaaagt 360
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<210> 7733
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<213> Mus musculus

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<223> n is a, c, g, or t

<400> 7733

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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
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<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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aaggtcacag ctcttcacag ccgaaagctt gcaggccagc agggacaagg aggccgatct 180
 tcgcaaagag ttccagggac aagaagccat ttacgaaaa accataggaa aactgaagac 240
 agagctgcag atggtgcagg atgaagctag cagccttctt gacaaatgcc aaaagttgca 300
 gatggctctg gccacagcag agaacaatgt acaggttctt caaaaacagc ttgatgatgc 360
 canggagga gaaatggcct tgtaagcaa gcacaaggaa gtggagagcg agctagcagc 420
 tgcccgggag cgattgcaag agcaagcttc agatcttggt ctcaaagcta gtnnnntnn 480

nnnnnnnnng gcnnnnnnnn nnacnaann 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 ttttaattcca ttgcagaaaa atggctccct 120

catctgttgg cctctccttg gagtctgatg aaggatgttt tgagatcagc gtctaataac 180

tcaagcccta tagaagccgc gcgctgattg gctgccgcac cctgccgccc tgctccagcc 240

aattacctac ccacggccaa attacaaacc ccgaaaagag cccaatatg aaatacacca 300

ccacgaagcc ccggcgaggc ggctgttcgc ctcggcagcc cgagaagaga gaccgagggc 360

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<210> 7736

<211> 336

<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

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ggagtgtccg agggcaaatg ctttcccgaa cagaacctcc gtccaagcct caacatgtgt	180
atgttccaaa caattacctg gtgccaaactg agaagaaaag atctgccttc ggtggggtgt	240
gcgttgtgac cttgcaaatg gtntcatncc caagaagctt cccttccnc 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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ctgccaaaggc aggctggtga tgtacatcga gagagacagc agaaagacct ccccaggcaa	180
ggagcagcag agtgggaatg agtacctggc cagggtgcctg gacctcctca tccagcacat	240
ggtacaggag ccacctcgga tcctaggcga cattctcaac gccctggcaa acgtgtccgg	300
ccggaagcac ccatccacgg tccaggggaa gcagctgaag atgtgtctcc ccatgatgcc	360
tgtggtgctt cacctggtga tgtcacaggt atttcgacct caagttgtga cagaagagtt	420
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<210> 7739

<211> 255

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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taatcccgtg gagctaagca gtatgtcttg atttgaagaa ggctccgagc tcaatggggtt 120

tgaaggagcg gatatgaagg acatgcagct ggaggccgag gcagttgtaa acgatgnact 180

ctttgctgtc aaccacatgt ttgtctcaaa aagcatgccc tgtgcagatg atgtggctta 240

catcaatgtg gagac 255

<210> 7740

<211> 313

<212> DNA

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 gtcagcacc acagaaggca tcggaggaag aagaattnaa atagcctgag gaccagtggg 180
 ggcggggaga cgatgccac accctcctgg cagtnttgcc tgctctctct cctaattcat 240
 ntatcacgat atggctggat tccatccatc ctaccaactt cctgntcagg aactggccat 300
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<210> 7741
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 <222> (173)..(173)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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 gtccttagca gaggccctag tttggtaaac catatataag acattggaac 420

tncaaaaaaaaa aaaaaaaaaa tgctagcact aagaaaaggt gggcttacat tacaactagt 480
 tggtttttga ggaattacaa atttaccact gagccaaacc tacctagtgt tctac 535

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 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 agttttttat gctatgattt tgccgactat gtactttaga tttcagtaag 480

accattcacc aaagccc

497

<210> 7743
 <211> 448
 <212> DNA
 <213> Mus musculus

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 tctaccttca gcatcactta aatggcaggc tccctcccaa cctgactcac ctgtcacctg 180
 cagactgccc tgggggcgct ttgaatgact cgctccagat tccaacaagc cctcaactat 240
 ctcaggcaat ggaagtggac ggactgagt actctagcaa gcaaggctat tcccaggaaa 300
 ccaagcgctt gaagcggacc ccagctccag actccctagg cctggagatg gagcacaggt 360
 ttattgatca agtattgtcc acttgtcggg acgtagagca agtcaggtat gccaatgcat 420
 acaggaaatg gctggtgact ctgagtca 448

<210> 7744
 <211> 457
 <212> DNA
 <213> Mus musculus

<400> 7744
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 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
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<210> 7745
 <211> 488
 <212> DNA
 <213> Mus musculus

<400> 7745
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ctttatccag ttttgagaca gggctctcacc 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 tggcctgcat ctcgaactcc agaccataga aggaaacagg accaaaaccc 420
ctgacccagt cagccttcag agtttctggt tgctatggga catcacccca tcgtatctaa 480
cagtatct 488

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<210> 7746
<211> 278
<212> DNA
<213> Mus musculus

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gccactggaa tgactctaag gattgggaag gctttcaatc tatgcaggag gtgtgggaac 120
cttggactca ggatggtcta gagcaacctc cccagaccat ccgcttcag ccagcagtag 180
aggccaggcc tctcaaactg gaaatccggt cagaccaggg cctagaggcc tatgtgtata 240
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<210> 7747
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ggttttaagt ggcccaggat gtctgaacc ttgctatgta gctgggggtga cagttatgaa 180
gtgctggaga tggaccaaga gccttgatga ccctaaagga gctccatccc tagccgtttc 240
tgatcttgac aactttcctg agtttatctt actgtgtgaa taggtcagag cttgcgctca 300

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ggtatgatgg tgt 313

<210> 7748
 <211> 414
 <212> DNA
 <213> Mus musculus

<400> 7748
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 cccttctttg aaataactaa aaatgcaaca tctgaaggac ataaacaaaa ggattctcct 120
 ggattttcat ttcttatgag ttacacctct agatcacctg gactaaattt atttgattct 180
 tctgtatctg attcagaaat ctcatcggat cagtttaatg aacattactc tgcggtaaatt 240
 ctaaattcctt ctcatcaca acaaggaatt ggaaacttat ttggaaaatc agaaggagaa 300
 gatgccttca cttttctttt ttcatcagac tcttctcaca catttgagc tggaagagat 360
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<210> 7749
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 <222> (225)..(225)
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 ttttaattgg aaagtgatcg gcgacaaatt ttttataatt caccattgag caggactaac 180
 tgcatactac tttgtattga caactggagc gnnngcnnnn nttgncaatt tccgcctgct 240
 tgccgagctt tccagcccct ttgtaaacca gaggtgggttc tttgaagccc tgaagtaccc 300
 caagttttcc aaagccaatg tcatcaatgg aattcttatg acggtgggtct ttttcatcgt 360

gcggatcatt tcgatacctc cgatgtatatt cttcctttac tccgtgtacg gaacagaacc 420
 ctacataagg acctgcatcc tgaagggtgaa tttttaaacc tctctccccg atgagattcc 480
 agcatcagag aaaacccaaa gctgaagaaa tctagtttgt gcctattagc aagaccggag 540
 ctaccagtc aatgccagtc aat 563

<210> 7750
 <211> 371
 <212> DNA
 <213> Mus musculus

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 ctgaggagta taggaatcaa cttcagatgc agattgccca ccagcagcag gctcgagaag 180
 cagaaaagga agaggaacgc caggaatttg aagcaggggtt ggcagcaaac aaagcctgcc 240
 tggacaaaat acagaggatc ctctctgaga atcaagctct gtcccagaat gtccacccca 300
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 ctgggtcttt c 371

<210> 7751
 <211> 202
 <212> DNA
 <213> Mus musculus

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 agctggagtc ggtgatgagt cagagaggca tgggttcctgg gggggaacat gaaggagacc 120
 ttcggatgaa gacggagtta ctggtgcaga tggatggctt agcacgctcg gaggatctcg 180
 tgtttgtctt agcagcctca aa 202

<210> 7752
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 ggccgacttg gagatcctac agcagaaggt ggccggggta caaaggaggt tggaggactt 180
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 tcgtgaacac tgccangcgn ttggagaaca tgttggtgag gagccacaac ccgctgagag 420
 ccatcaggaa gagccaggcg gactgagcgg cccgcgccc agtgtgccc cgagctggcg 480
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 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 aacattttctc aatgagctca 420
 aatgaanttc tgtgcctgca taaatatntt ntcaacttga agatcaacaa tnatatacac 480

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534

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 attgggcgtc tgggatctat ntccctctc agctanacag cagagntgga ggcnacctca 240
 ctgggacaaa gagacgacaa antgcaggca ctgcatatct ggtatnttat tnatggtttt 300
 gcatgggatt taatntaatn caagnttcan ntttttttt tnatataagc tttcaggttc 360
 ctttttttagt gtgggtatct tnttgactga ggggtggctat tntttagacc cgtttanata 420
 ntaantcccc caataaaggc agttgggcag ttttaagatga cccatatnta aatacatctt 480
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 gtgcacctga gcctgcccc caccagttag aggcagctgt ccctgatgca tccgcctca 180
 tggcacctga acccgctgta cccttgtctg tgggagcaca gtcactagct gaatccctg 240
 caggcctgtc tcccgaaaac aaacctactt caggtgagcc tgctgcaaca cagtctctgc 300
 cagccttgcc tgctgcaggc ctggctgttg nanccaanct tcntgcagca gantctnntn 360
 cannccgacc tcntcnannt gaantnttgg cgancnntn tgttgtggga aaanttattn 420
 cagctgancn tantgaagca aaaccacagg tacttgagcc tgttgaggcc aantctgcca 480
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<212> DNA
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<400> 7756
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tgcgttctgc cctcatccat cagccgtgga ctccaatggg gatgtcatgt tctccataga 180
ggcatctctg ctgggcctct ttccttggct ctgcgcaaga atctatgacc ctggaaaagt 240
catgcaatct ctcaagttag gcttcctaga ctaacagaca gaagcagagg ctcacggggc 300
aataggttct gaaggctggg actntacccc nntcantgtt nctcctccan nccccnanat 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 ctgggggtatt aatgaatgtg 240
 gagaaaaagt acggtgttgg atctataata cagaaaaatt ggtctacaca ttttaagacag 300
 tatggattaa catgcaaata ttgtcaggct tnggttntnt ttacnggggt nacagacatg 360
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 <213> Mus musculus

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 caaggaatgt ctcaaaatgc cgtattttacc agaattgtca aagagctcaa gttcatcttc 180
 actagaggct cacaagcgcc tgctgcacac ggacgctgag atccctccca tcaggataaa 240
 gaagaccaag gagtcgtgca gtatggcagc atttcaggag aagtcaaaag gctctgtctt 300
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<210> 7759
 <211> 507
 <212> DNA
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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 tttntcaga 420
gaaaaatttt ggttgatggg ttgaaggtn tagcccataa ctggantttc cattgctttg 480
ggcccatggg aaggctggag gctattt 507

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<210> 7760
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<212> DNA
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tctactatgc tgggtgccatt ataggtggag tgccctttca ggtcttggac tttgctcagc 180
aatacttgaa aggtgttttc ttggatactg aaaatggagt taacagtacc tatgaaaagt 240
acctcaacaa atattttttc ctcaacaaac ctaccaagct tctatcccca gaatacagct 300
gggaccctac cttcaa 316

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<210> 7761
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<212> DNA
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 aatgagaagc gatctacata agtgccctgt catgtcctga cttttaaaat taaaacaata 180
 gcaatagaag gaagcatgaa atgaaggaac ggcttctctt cctgggtctgc gaaagcctct 240
 gcgaacaaca gtctcacagc caaagtctct gtttnnnnnn nncnntccct tnttctccca 300

gnntccccan cntactgtc cccctggnan aacaanttaa ntgcagnttc agattccaaa 360

tatgaactaa cttgctgtgt gacct 385

<210> 7762
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<400> 7762

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ccagcccagg gccatcaccc tccggtctga cagaatagca cagataggag aaggtagagg    180
aaccatagga catgacttcc aaggccagag ataattgaat tacctgggtg tcagccgtga    240
tgaatatgag ccacgaaggc ggtataaatg tcctatttgt tccatgtccc cggnagcacc    300
tccagctttt tgtttctatn ttgggactga gtgacctnta ctccacagta tgnccatttc    360
cagcccctgg ggacctntaa ggcaccctg ggaggcaatt gtgatntcan ccatgaattc    420
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 ggngngntttg tntggttatg aggcntgaaa ntacaaggca gaantctcct cagtaaagat 180
 tgcaaccntc ctacagagag ctgaactgta tgcaagagcc taaccagca aggaagactt 240
 tctgagctta ctgatttggt tttaaaaaa gattgacagc agntntatta caacctgtaa 300
 atttagctgc aaaatacaac ttggtgt 327

<210> 7764
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 7764
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 attcaccaga atattggagg gagggacaga taagatctac tgatcagaaa ttttgggaat 120
 ctgatatgaa atacgtaaga acaaagcaca atgtttttat ttcataaaaa gctcaaatca 180
 ttat 184

<210> 7765
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 7765
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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 tgaaaaatth caatttcact agttctgagg 240
 attagtgttg actgttgcct ggatatagtg taggtagcac ccatgaggaa ttatttagat 300
 cactttggac agtctaccgg gctgtgaggg attttccttg atctaattga tgtaggaaga 360
 cccattnnna anntggnnng cancttttca tgagctganc nttggagcga aggggaagggg 420
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<210> 7767
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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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aacagtactg ctcatctcac agaattcaag tcgatccaga tgtggatttg attaatagaa 120

gcttactaac tgtggctaata 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

<213> Mus musculus

<400> 7768

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ctgcactaat gagagcctgg acccagaaga atactctcta ctttcttcct ccagaaattc 180

agagtttcca gtctagtaga tcaacctgga attgacttga gcacaagacc cctcaagatt 240

ctacgtatga gatcacatca tctacaactg gagatgggtt tacttcttct tcctttccca 300

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<210> 7769

<211> 562

<212> DNA

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 <223> n is a, c, g, or t

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caaacttgac gaacatcagg ctgccattct tgggagaaat cgtatttggg 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 cggctcgggtg gatgctatga cagagccccc aggttcctgc tacantcttg   540
ttctttgtgt cccatacagc ag                                           562

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cagcacctga cgtcagcttt cactgctatt cagaagtcct tgcaagtga tagtgaggaa   180

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ttccaaaact caaagtcaga actcctgtgc ctttataagg aaattcagag tcttccaagg 240
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<210> 7771
<211> 201
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<213> Mus musculus

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aaaactcaaa gtcagaactc ctgtgccttt ataaggaaat tcagagtctt ccaagggctg 120
agggcagaga gcaattttta gtagcttata acctgctact gagagagaat tctgaattag 180
aagccaaggt ctcaaagctt g 201

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attatcaaac tgaatagaaa ggaggggaaag aagcaaaact ttccaagact aaatagaaga 180
ctccagcaaa gtggtacccg gcaattcagg atgagagtac ggtggggaat ccagcagaat 240
tctggttttg gtaaaactag tttgagccgt agaggaagag tattgcctgg aaaaagannt 300
ccttatggag ttatcaccgg ccttgacagg aggaaagcaa ct 342

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<210> 7773
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gacaagagaa gagctggaca gcccaaggcc caggcgcccg ccaggcagtt atgggatcca 120

gtaaagaagg aagaactaca agaatatattt 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

gcccaactccc gtgttctata cagtaaagac aactgctcaa tgatactcat t 471

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<211> 309

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<213> Mus musculus

<400> 7774

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tgtaaagaga tagaatagga aaaaaggagc tggttttcca gataacctgag tgcttagggc      180
aaccgggagc tcataagggg agtcagccat ccagccagtg gacgttcca cagtgggtctt      240
tactggtacc acatttcac ctcgctgaaa cactgggatc tgtaacacag cagcactctc      300
aggaatgac                                     309

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tgtcttctcc ttccaagtgc tcaggtgaca ggtttgtgtc accacacca gtttatacag    180
tactaggtac tgaccaaggg gctctgttca tgttaccaag ctacacccca aaccttgcca    240
tatggthttt actggctctg tgggccttgt ccatacagcc aaataccagg tagtaggagt    300
ttcctactca accctaacca accaatgaag ttattttatt tgggaataac ntacatggtc    360
agatthtntn ttacttaaat gttgaaaatt ngcctccang tntctntnag acacaggaaa    420
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<210> 7776

<211> 337

<212> DNA

<213> Mus musculus

<400> 7776

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ttcatgaggc tatggaacat atacaacagt ccaaggacat taacactgat gacctgatac    120
aactaataac agcatgtccc cagattgact taattagatg tcttactcaa gaaaggaatg    180
agaaaccacc atthtttatct tttgggcttg ctgtactcca tatgtthtct gtggatatga    240
aaaaagttgg catgaggcta cttcaagaag tcagtaaagg cgagaaagat gtgattgagc    300
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 aagaagaaga ggaggagaaa ttgaaggaac agcagacaga aaataagtag atgactttct 180
 aattataact catctggcta tatccagttc tcgttttaca cgtcaatcaa ggtatacatc 240
 atgatttaat tctcagttag cttctgcctc gcctccacat aatanatnac nntatnaacc 300
 gtaggatgaa tattcacatg tacttttttna anatctttgt tncattgaag atantanatn 360
 attacntcaa acnatnatag gaatgcntaa aactataaat aaaaacagnt agtantagga 420
 agatcctggg atgacactaa taatgtgaga agaatatcaa aacactgaaa ttgcaagaat 480
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aggaggacta aagagctaca aaaagagcta gccgaaatga agaagatctt taacatgccc 120

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

gnntntgcc a ttggatcgga atatgtaaat ggagagagag gangtacaga aagagaaccc 480
 gngcctttct acaaaagcag agcctcagag aaccagctc 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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<210> 7780
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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
 ccacaggggt cacgatgcga agctcaccaa cagctcatgt gagaacaggt gtagctgata 360
 agaccacact gtactntntc cctcctntca aaggaggaan atctgntttg attttaaatn 420
 tcattactga tcaacttntt ctnaaatntg taaactacaa tgtccagaga tcaantnttc 480
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 cccaatgaca agtgatcttt cctaattgctg 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
 gnttcttcca natncaggac agaccacaga agnttggagt ttccttgcta tttggatgac 480
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agcatantca gaagantcct atccagtgcc agaagaggaa ctgntgcaga ggcaacngg 180

antntacgca gatgggcctc actgtntntt ccaccttcac tccattagaa gaagagaata 240

cgctttgttt ntntgactat ntntacacca cagcccatgc tttgatgaac ggaattcacc 300

atgggtatatt ccatactcaa t 321

<210> 7783

<211> 285

<212> DNA

<213> Mus musculus

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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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 atctcctaca gagtgtgagt aattagctct ctactctttg acatcattgt tccctatgca 180
 ctagtgcatt gacaaagaag tcatacacat aaacttcctg ctatgaagag acagccatcc 240
 tgactctgca gtccaggtgt gtctatcaca gagcatgcat nngntgaaat ctatgaagaa 300
 cagcagatta aacnntttcc agttgcctgg cttggagtag catagganac tggntcttag 360
 cttgntgtng gagnccgccc acaatgcctc tgtgctgtga actttgtgtg ttcatttatg 420
 ccctgatgtg aaaactcaaa acatatgaag aaactggggc agtgtaacaa tttccatact 480
 t 481

<210> 7785
 <211> 225
 <212> DNA
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 gtatttgcaa attcatcttc ctggatgaga atttcttgaa gtcgggtcatg cgtataaacc 120
 aagtgtggta gtgaacgctt gtcattccag cattctgcag gctgagacag gagaatcttg 180
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 gatgccaggg taaactgctc ctctgtggag ttacttcctt ggcctaagtt tgtttttnt 300
 ttattntgaa tntttantag tgggctggat nccatntccg tacatggaag gttagtngac 360
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 nacagtting aacacagcag aantttcacn ccgccantnt ncaggccntg gcnttttgtg 360
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 cttagaagcc agtcacacac ccaagagtga gggctcttga acaattactt acacaagtat 240
 tggtgtatct ccagaaaaga cacaggaaaa agagcctaac tcagaaaagc taaagctggc 300


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ctttaaagaa gcttgaaaac aaagtcaaca ctcttgcgga agaaagngat gacataanga 180

aggaagttga gggcaagcga acntntctag aagtcaaaga acgagagtat gncnntgc 240

ttaaactatt ggaactaacc aaagagnacg aagcctctc gctagctgaa aggttgctta 300

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 actgctgaag attgagggca ggatggcccc aagggaacac tgatggaggc tgttgagagg 240
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 cnnnncntnc tttnnnnntn nnnnnnnnnn ntncnnanan ccttnnaant ctncngngng 360
 aaanntnngn ctnttctgca gnngggaaag nttnanatnn ataagcgata accttngact 420
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 gagacgggag acagacataa gcttttgaac cggcgaatct gatctaccct gaagtaaaca 240
 aaagactcta cctcaaacaa gatgggagac aaggcctgaa acctccacct aaccactcta 300
 gtacacacac atctgcactt acacaaacac gcacacatac accatacaga tacacaccag 360
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 aagtgggtaca caaacaaca cctagaagaa tctggatgaa gtgcaagaca ggggtcaatct 360
 agatgataag gtgagataaa tccaantagg ntccctngag gaggaggtnt tatagaactg 420
 ccaccctca gaaaggatga aatgntagag agaaggacac tccgggcagg cgacagagta 480
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 aaaaaccttt ngaatgcaat cactgtggga aagcatttag cgatccntnn tccctcagac 420
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gttggaatat ttagatggta aatttgtata aatactgaaa gggggcatga agtcaactca    300
tgatgtcatc ccttaaacta tgggtgggttc aacatcattt agtgggttatt ttaantaaat   360
acagaaagaa tttggaattt gatgaatttg tgaagacaca ttcctatcat gtgtgtaatt    420
ntttgagtaa acatatgtgc tataacctca aatttagtga gatccaaaat caggggctta    480
ttaattnttc tatcttacct atatggacaa tatcgtgctt gaacatatgt ntntgaccag   540
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<210> 7798

<211> 531

<212> DNA

<213> Mus musculus

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<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> 7798

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tgatgtgatt tacaatgggc atcaagactc acagaatttg tttcaatggg gatccgtaag    120
catacattct ttgtgatctt caccagaac actgtatggg aagcatcaaa atcagtcctg    180
tgcagtgctc ttctgtggca tcgagcgctc tctctctctc tctctctctc tctttctctc   240
tctctctctc tctctctctc tctctctctc ctctctctgc atttgtgtat ttgtgtaatc   300

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acacacacat atgtaaccaa cattgtatgc atttagaana caccctgcc a 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

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agtgaagcaa acggttgact tagagagctt tatttaatgt gtgattcaga taggatgaat 180
gaatataaat tgctgtgttg atactgaagt cctgagaaac agagcctcaa ggagcctcag 240
cttgactcct acaattcttt tgagcaagaa gacgcagagc ctttcttcat tcgagtcgta 300
ctttcttaca tgtctgtgcc tt 322

<210> 7800
<211> 482
<212> DNA
<213> Mus musculus

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<222> (275)..(275)
<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>
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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> 7800

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aattccatcc acagattagt ctcatccaga ttgatggaga tgtattttaca gtaaaagaat	120
caaggttaca caatgtttcc aggttagcgc cagaactacc tgtgatggca actttttacaa	180
cgcaacaagg ttgctaagat gtgactgtga tcttgccttg tttcacaaca gtctcttggt	240
tcaaatttaa tgtgttcctt ttacttatat gtcantcaag aaattgntga tgaggtaggc	300
aggaaaatca gnatctaccc agatgactgg ttacaacata atcttcactg tcttgacaaa	360
tactaaagtt nntacaact caggagggaa agaaaccag aagatccgta tccacagctt	420
agcagtcttg taagttaaag caaataatta agctccagta actgtaccac ctaagtcagc	480
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<210> 7801

<211> 435

<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> (370)..(370)

<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> (381)..(381)

<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> (405)..(405)

<223> n is a, c, g, or t

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ggctttgatg ccatcccacc tgtggacctg taagctgctg tgcagacttg acagcctggt      180
gccgccacat gtcctcttga catccgagtc tagtgaagcc agttgttcca tcagctgaag      240
caaaactggc tgtcagtatt tggtgaggca gccctgcaag gcttttcggg ttctgttctt      300
ttaataaggc catcttgga cctgaagact ttggggacag cagcagcaga acccctgcc      360
cacntgccaan ttcacactng ntgtcaaacc ttccagggtt aancnattgg aaacatttgg      420
aaaggcctgg tcagg                                              435

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<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 7802
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gagtcaaaac cattggattt gccatgtact acttcacata tgaccacagg attggcaaac      120
tgcttcacct agaggatttt tatatcactg aagactatca aggtataggt attggggctg      180

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acatgctgaa gaagctaagt cagatagcca tcaacaccga atgctgtggc atgcagtttc 240
ttgtcatcat ttggaatcag gattctgttg agtactatac tcgcctaggg gcttttagacc 300
tntcctgtga ggaaggntgg catctnttca gatttaactt ggatgatntn ctggagcttg 360
cagaggaaga atgaaaacaa aaacaaacaa caaaaaaaaa cccaaaaaca aaaacaaaaa 420
caacaaaaaa acagtaacaa cttatcccaa aataggcctc aatgtttgaa tgtcacctg 479

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<210> 7803
<211> 442
<212> DNA
<213> Mus musculus

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<220>
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<222> (332)..(332)
<223> n is a, c, g, or t

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<220>
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<222> (349)..(349)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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tacggaacta cacctatggg atccggttcc ccacctcca gatatgaagc cccgcctatg 120
gggtatggaa ctctccttc agggcgtgag tccatacctc ctggatcaag ggccacgtct 180
gtagcacagg aagctccacc tgctgggtct gaagcaggcc atcccatgtc tgtggcagtc 240
cagaatcctg aattccaggc atcttttccc tctacctcgt cctcacaagt ccactctccc 300
cgctctaaga tgtaaacctt gaagtttcac cnagcaaac agcacctna tntngaagtc 360
aagataaccc ggaacactta ggtatctgat cacagacctg ttctaggtag tttgtttccc 420
tccttgggag tttagtcaca gg 442

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<210> 7804
<211> 177

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<212> DNA
 <213> Mus musculus

<400> 7804
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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 tgccttacga gaacatttag 120
 tcttcaagat tgctccaatg ctcaaccctg atggagttaa cctgggcaac tacaggtgtt 180
 ccctgatggg gtttgacctg aatcgctact ggctggatcc ctctccatgg gcccatccca 240
 ccctgcatgg agtgaaacag cttattatca agatgtacaa tgaccagtg agtagcagga 300
 tgtcctcagc agctactggc tgctggccac atctggggat ggaagattgt atgggggaca 360
 tcctcggaca gctctaaatt a 381

<210> 7806
 <211> 515
 <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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 <223> n is a, c, g, or t

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 ggatgctggt acgaacctca gatgccagcg tcatgcatgg gacttgacc tgagacatgt 180
 ttagagagga tcttaaaata atccaatcaa accaccaa atctctgcttg tggcagaagt 240
 gcgccccgagt ggctgttctt gtgaagaaac agctctttga tcctctcaag aggcttcctc 300
 agctgcccag acagttcttg 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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 cacgtgccat ccttttctcc tgaccccggc cacggggaca agggcaccag gccgggtcct 120
 cacatgagtt tatcctcttg ttgaccttg 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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gaaggggaggc aaacattcct gttcagtact ggagaaagag gggaaggaga ctaaacggca      60
agcgcagccc acaggccggg ccagagaggg tgcaaacaga ctgtgtagat gcttccccag      120
tgaagggctg ccaagaattg tgcattgatgc cccacacagca cagacaagac agcaggtaaa      180
aaagaggggaa cgggtgcaaa tcaaagacca ccaggagcgc atgcttcgag ggaggggaact      240
cacagagcaa agactcaaag aacaactcat gcagaaagac cagagccagc tcccttcact      300
tgagaagctc catcgagtga agaaagagat gaaggactgt gaaagggcca atgcacaccc      360
acttctgcag ctacgcacta aaag                                           384

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<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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<222> (134)..(134)

<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> (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

<400> 7810

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cttgtcccta cctaaaggca gatagaactc ttancnaaaa tccctctncc cctgggataa 120

ctttgagcag atgntctttc ctgaantatt aagtgnanat gtatttgttt cacaaacttg 180

ttaaatttgg tttttttttt tttagattac cataagtttc anggctataa atgctcagaa 240

atttcctctt tttcactagc agct 264

<210> 7811

<211> 563

<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> (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

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<222> (370)..(370)

<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> (377)..(377)

<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

<220>
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 <222> (518)..(518)
 <223> n is a, c, g, or t

<400> 7811
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 gatgagctcc gcacaagtcc cttccagtcc aatgcagcac cagggctctct ggccccgggg 120
 agtctccaga cacagaaaag acctacacag gatccgcatg gggatcctaa gacctctggg 180
 cagtgaaaat caggtcactg caatcatgaa ggcaagagat gtggaacatg gaacatgaag 240
 aaggcacatg gaaccaagtg aagtggctaa agctatgatg aattttaaata gaggtaaaac 300
 aagacgtgtg cttccttctc ctcgttcacn agcagcttgn agaggacaag gtgnagcatt 360
 aaaagactgn anaatgntga aacgcttcgg aactgtgcaa gctgccccaa gaccagaat 420
 aatcaatgtg gaaccctgct tactnttttc aaagggctga aatttccaac tggaaactga 480
 agcaacgagg attcnttnca ggcactaatc agtggganc ctcactactt tctgagaaga 540
 gtgaaattct ccatcaatga aag 563

<210> 7812
 <211> 183
 <212> DNA
 <213> Mus musculus

<400> 7812
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 caacagtgtc aatcgagata tttccgttct ccagtgccat ggagattgtg accctttagt 120
 tcccctaata tttggttctc ttactgttga aagactaaaa gcattgataa atccagccaa 180
 tgt 183

<210> 7813
 <211> 337

<212> DNA
 <213> Mus musculus

<220>
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 <222> (251)..(251)
 <223> n is a, c, g, or t

<220>
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 <222> (253)..(253)
 <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> (295)..(295)
 <223> n is a, c, g, or t

<400> 7813
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 ggatgagaaa tagtaccagg aagcctggat cttagaactg ttccatgtca gctgatattt 120
 cggtcagata cttgaggctg tgtgtgtgaa gggagtgatt cctacaactt cactagaatc 180
 ctaaatacaag attatcttcc cacaaggacc tcagaaacaa gtgttcttca ttcacccatg 240
 gacaagacac ntngtatctt 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 cctttgacct tagccagcaa agctgcttct 120
 gtgggtggtca gcacttaaca cagagactca taggtagtcc aagtgtgag ttaagtgact 180
 attggctgtt cagtcctcaa tgggacatat gtatcaagaa ccctcaaggc tcaggggtaca 240
 ttttacaaag gaaggcagaa aaaagtgaag taagagacag agaaagggag aagtgtgtgtg 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

<400> 7815
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 tagtctttctc caacaacaaa gggtcaggct ctggccctac ttctctgcca atcagcagga 120
 gcctctttcca ccaaggagat ctgaaaacaa gaggttttgt gctctttcgg gcaactgttgt 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>
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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

<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

<220>
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 <222> (116)..(116)
 <223> n is a, c, g, or t

<220>
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 <222> (177)..(177)
 <223> n is a, c, g, or t

<400> 7816
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 ctnttagtnt atgcctgtat cacaacctaa tcattcccagc gacgaccacc tcccantccc 120
 ctcgcagagt gccactcgc ttaaaacgca ctggctgtaa tgtttattac ccaatgngga 180
 caccctgtgtt attgatagca gc 202

<210> 7817
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 7817
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 agccaatcca cacaacgaa cactgggaac cctaggtgtc tactaaacat gaagactccg 120
 ccctggcaga cagcaggcag caacgctgct gcattcctaag aggatttccc aaggcatctt 180
 ctcttttggtc ccactgtgtc ctgattgcac ctcttcaaaa tgacagacat gttttcccaa 240
 gaaaactgaa tcagggtcat tctaaactaa aaaccctgag tcatgcacct ctaggaaatg 300
 caaacgtgtt gccacatct gatgcggaga tgcagatgga ctggataaca cagacacaac 360
 tgcaagcatg agaaccaag tccggatcct aagcacccat gtaaa 405

<210> 7818
 <211> 457
 <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> (345)..(345)
 <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> (425)..(425)
 <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> 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 cctaatacatg 300
 tatctcccaa aagatgagta actttttcct tcccatgtgc tgntnttcta gctcttacca 360
 cttcntccta aagataacat gattttacttt acataactat aaagacttat tgactaaciaa 420
 agaanangct tagtgtacct catgttggtt 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 gaccacagc ttctcaggcc tccgccgcca tagagaccgg 120
 aactagaatg agagcctcgg ccgtgagcac catagagtac cgggaggacg cgcagaggga 180
 acgttcccag atggggctgc gctcgtcgcg cacgtgggccc 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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 actttacaac aaataaaaag aaagaatctc tttctgcccc tcatgctaaa gagactgctc 180
 tgcaaaaaaa gatccctgtt gttttctaag gagagaccga aaggatgtgg attct 235

<210> 7821
 <211> 504
 <212> DNA
 <213> Mus musculus

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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

<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>

<221> misc_feature

<222> (448)..(448)

<223> n is a, c, g, or t

<400> 7821

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aaagctacct tcaatccatt ccgtcttcca ggaattctga acatcattgc tagcagcttt	180
gtctttcttt ccatcttgta caattactta tcgatcattc gcaaggatgg gattgccttc	240
ccccgtctt tccacacacc ctcttccca gatcatcaaa aaattggcac tgcactggca	300
atggcaactc tatcctgttt cttatttcta gtgggtggaa taattcccct ttctttcant	360
cttccccac gttcccagat gcncataact 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

<400> 7822

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gctttaagat gatacagtct gcaaagagag aaaacacaaa gacctcaca acaaaccaat	120
gaatcatgcc aggccgtgat aaagactctc cgaggacaca gttaccagc gatgacgtca	180
cagaaaaggc aagagggcct gacagggatc tcagaggaca aacagagtct caccagaccc	240
gacggaaccg ttccaggtgg atgaaggggtg tgatcggagc ggccttagtg gagtctgtgg	300
aaactgggaa atagtgggcc ttaagctggg aatgtggatt caggccagaa tgtggaagga	360
aactaaggcg cttggacttc atcctagtgg aagaactnca atccagtgc taagcagnta	420

tgacagaatg tgtgtatattt gggacgtgtt tctac 455

<210> 7823
 <211> 525
 <212> DNA
 <213> Mus musculus

<400> 7823
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 aggaaacttt gggctgcacg ataaatgagt ttctcacaat gacaagtga cagaaaacaa 180
 agctgaagtg gcaacttctt ttggaaagaa gcaaaattta tttaaaattg attttatcac 240
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 aggcaagcag gaacctggct agacaaggac atacttaaaa ccagattttg ctccaaattc 360
 tgggaaaata tagacattta actcttacga tggaatgtta gcttgagaat tatgtgtaaa 420
 attacatttt gcctaaatgt ggtaaaatta tttcttagat tgtcactgtt tccttctaga 480
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<210> 7824
 <211> 545
 <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> (416)..(416)
 <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> (499)..(499)
 <223> n is a, c, g, or t

<400> 7824
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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
aatctttcac cttcccggac tggagttgct tgatcggaac 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

<220>
 <221> misc_feature
 <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

<220>
 <221> misc_feature
 <222> (388)..(388)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (393)..(393)
 <223> n is a, c, g, or t

<400> 7825	
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gaatgagaag gaacggctcc ccttttctga atcagcatgg attgctgttt ctaccttccc	180
gcagtcgtac atctgccaac cggattttcc aaatcaaaca ggaagaaggg atggatatgg	240
caattagaga agcaatgcat gagagggaca tgcatactgc aatgcagata agtcggggta	300

cggaacaatg tctaaatctg aatgacaata acaccgtgaa gtcattccact atgaggaaca 360
 tnaatccaaa tcnatthttcc 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

<400> 7826
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 ccccgagcag gcgaagccag cgcctcagaa cgcaggaaat gggtgaaagt atttaaagca 120
 tgcgatgaag acaacaaagg ctacctaaagc cgagaggact ttaagggttc gattgtaatg 180
 ctgtttgggt acaaaccctc caagatagaa gcggatgctg tgatgtcttc agtaaattccc 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 ccaaattgcct gaactcttct acgcctgttt 120
 tgtttacgga tatgtcaat 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 tcaactgtgtt ctaggcccta ggggtgtttt 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 gagaaagggg acggggagga gaatagttcc 420
 cggaacatt 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 ttgtgtttta ctgagaagag gaggaacaaa gcgaaaagtt ccctggcgag 120
 ggaaactaag ctctctgccca 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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 taagcctttg gagcctaccc tgagggtggc agaaccatc aaccaccttc gtctggccag 180
 agaggcattc aagcaagagg aacgcatgcg caangtgcaa gacaagatgt ttttgccatt 240
 ttcttcttac 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 gctttttaaат ctcaggaaac 360
 gttagacatt gtgccacctg aggacgacgg taaacctttg gatagtgtct tccccacaac 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 ttcattgtaca gaaaacgttt ctgcagcaaa atttgactac 240
 aagctaaaca atattttcag acttcatgaa ctcccagtga gctgcatcgt catgcatccc 300
 tgcagagact atctcatctc ctgtagttaa gatcgtctct ggaagatggg 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

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 <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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 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 tatacaaagtg 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 gaaaagtga gaaaaagatg ctgaggagat gaagcggcag 120
 aatttgctgt atganatcga gatgaagaaa aacctagca agaaacagga agagatagat 180
 acaaacagga aactgcttct tgacaatatg cacaataaaa acatcatccg agctgtagaa 240
 caacagcagc aagaggagga agacgaaaag attagaaagt ttatcaaagc caaaaaacgt 300
 cttatacaaa tgaggatgga caaagatgct gaaacacata ggctaattgga agaacggaga 360
 gaaagaataa ataatttcct aagtaacta ataaaagaga aacttgatac tgaagatttg 420
 attatngcta gagatatttc tgaagctgat gctgaactgg agaa 464

<210> 7837
 <211> 190
 <212> DNA
 <213> Mus musculus

<400> 7837
agataatgtc ccgacactgt ggcttcgttg gaggtttaca ttaaaacagg actttggtga 60
gcatgtgatg tcaagacacc ttctttctac ctgagagaca atgacatgtg aactgagga 120
ggaaagtgtg tagctcaaga ccagcagaca aatgaaagct tgttatctca tgtagtgtgc 180
agatggacag 190

<210> 7838
<211> 466
<212> DNA
<213> Mus musculus

<400> 7838
tgccaagtcc tcgaagcagt acctgcggca ggtcatctcg gaatatgagg cgctggatcg 60
ggagctcccg tgtatccgaa aattctcaga accaccctct gccagcccc tctgcctttg 120
catggagact tcggaagact ttacgcacgt ggaggtgctg caggctttgg aggccgagct 180
gcccggggcc atggaaagcg ggcgcgtgaa cagcatccgc tacgagaata tgaatgtcat 240
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gtcacgcctg tgcgctccgg gtcaccctc cgtggaaccg cgtaccact 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>
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<222> (273)..(281)

<223> n is a, c, g, or t

<400> 7839

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gagaacttca cctcctgggg cctttggact atgagcagca gaggttgtac aagatcacca	180
ttctgctgat tgatcacagt caagactggg acctcaacag tcaccgatca ggttcatgta	240
ccataacat tgagggttgag gnnnnnnnna nnnnnnnnn nctgattgtg acagaattag	300
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tccttctggc tctgggttgg ctctcagca ggatcctccg gggcaacatt ttgatggcag	420
agcccaagat gtctgtatgg ggagagatta cctgttcaac acactcacgg gagcccggcg	480
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<210> 7840

<211> 444

<212> DNA

<213> Mus musculus

<400> 7840

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gcgtgctaga gctggcatca tgcagggat ttgcgtacat atatgtctgt gtacctcgtg	120
tgtttttggg gcctgtggag gccagaaaag ggcatggat gccctgggac tggaaatgca	180
gatggttgtg aggcaccata tgggtgctgg aaatcaaacc caggtcctct agaagatcac	240
tcctgttcct gggctcgcct gaccattct tcctgtagtt catccaattc acttctagag	300
gtgacctccc catctgagat agaagcaaag aagatcaatt accacacctc cagaatcaag	360
gcgaattatc tgttaacctt atggtcacga tgccattttc cttggagct ctcgctttcc	420
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<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 agcgggttttc 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 tcaaggcttc 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 gcacagggtc cgcagtgttt ggcttttttt ccagagcttt	180
atcagagcaa cttcgcttaa gactctaaac tcgggtttca gagtgatgcc gccatttaac	240
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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

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tcctcagtga tgcagagcat gtccctggtg acattgctga gcagggtggg ctcaaagaaa	120
tttcctccac ttggtgtcg ctttccgccc gtcacaaccg tggccctttt ggcaactgcg	180
tcattcacct gcttctctac ctgagagatg agaagaaggg caccagggaag 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 caccacacc cacatttttg agatagcatc tctgactggg 300
acatgagact tgtagtagct cacattagct cctcca 336

<210> 7845
<211> 446
<212> DNA
<213> Mus musculus

<400> 7845
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ggaacaccat cctgaaccag ctggtggacc agaggcgaga tctgcagatg cttcagagga 120
cacagagaga gcacatggca gacagagctg ctgagatgga tcgagtgaac agactcaacc 180
agtgtttgca 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
tttcccaggg aacatttatt tggagt 446

<210> 7846
<211> 508
<212> DNA
<213> Mus musculus

<400> 7846
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tcgtctggca agaaatccaa gggaaacaag caaagagaaa ctgcctttct ttcaaggaag	180
aaaaagaagg aggtagaaga gagacaaaaa ggtttctatt ctcctttctc atttcaaaac	240
tctatggatg tggataacaa ttccctgggc ctaaaaagcc cctacagaat caagtctcct	300
tccagtgagg gcagcagcag tatctccaca atcaagcagg acatgctctt ccagctctca	360
ccctcctcca tggaatgaac ttgcccaaga acaggaggag actgcgaggag tgaccctcct	420
gtctttgatc agatgcggta gaaagcggat tcagcaatgg caactgagag ctctgatgca	480
gccagtgatg catggaacct ctcccagt	508

<210> 7847
 <211> 529
 <212> DNA
 <213> Mus musculus

<400> 7847	
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ttacagagta gcctcttttag aatctccctt tcagttacct cacatgacaa aaggagagga	120
aatttcccggt gtttcagaag taaaaggaaa ttaccctcag acacctccat cacacttgct	180
gagactcacc cggaagatgt aaggtactgt tctcttgtcc gtggacttga gggctacgaa	240
ggctatgctg tcatacaggg aagtatggct cagtacacag ggaccgaata tggcgttctc	300
tgggatgtcg caggttgtat atacactggg aaaaatgtct gtcagacact gttggacagc	360
cttggcatct ccatcccaga tgctctctg gatgcctgaa tcctccatca ctggagacag	420
ataccagga cgagaagaga gttgttattg ccttttctgc tacgaacctc ggcagagcgt	480
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<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 ctctcctta tttcttgaag	240
agccagaaaa gagctgataa aacgatgtat gtagactttt tgtctctgag tgaatcttaa	300
tatcaatttg caacagaaga gccaaactcc atctactgtg agatgggttc 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 agcaggggtgg gggggagccc tgaacctagc cagggggctg 120
 gagcccccca agaccctggg ggaacagccc aggcctgtga ggagtacctc agccagatcc 180
 acagttgccc cacgttgagc gaccgaatgg agaagatgaa ggagattgtg ggctggatgc 240
 ccttgatggc tgcccagaaa gatttcttct gggaggcact ggacatgttg cagagggctg 300
 ctggaggggc tggcccagac acctcgactc ccgagagctg aaccctctt cttagccttt 360
 cctcctgaag gaagtcgagc cgtg 384

<210> 7850
 <211> 132
 <212> DNA
 <213> Mus musculus

<400> 7850
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 aaaatagagg acacaagcaa acaagacagg ccagtgaag agtctcctgt gctggacagt 120
 ataagaaagc ca 132

<210> 7851
 <211> 412
 <212> DNA
 <213> Mus musculus

<400> 7851
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 ccatgaaggg cttttgtgac ttcttgaaa gccatgtcaa ggtaggatt gaggaagaag 180
 atgagctatt gtacattgag caaaatgaag aggaggaggt gttagctgag ccagagattc 240
 agctcataga gaagttgcct gagaatccac tgctcaaat 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 gcgaatgggt 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 ataagatfff 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 ttggaccaa tcaacataac ttcggagcaa 120
 atggaaactt ttgtgggaca gttggaagag gaggaagtac tggaggactt aatttttctc 180
 aagtatatgg caattttctg aatgtctgca atacacttcc aggtttccaa gactctaatt 240

gtgattatatt 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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 agctggagca gtctggctgc cagctcacct gggaccctac agtcgtgcct cagctttctg 180
 cactctacgg gtgcctcaca gggctacagc tactagctga cccatgtcct gggctttcta 240
 ggacagtgtc tgaagaggaa acaccgattt gtcctaagg tctcatcaa tctgatgcct 300
 ggcagcctag gatgtcactg accctcacta gtggtcacag ctgatgacac ggttccacca 360
 ggagaagccc cacaccacac ttttaagactg gtttcaaaca tctgaaacac ctattcagaa 420
 caatatcctg aatcagtgtt atttctgagc agtgcaggct acctgtaaaa ctttttggt 480
 gtgtatctta ggtagcatag tcccttctgt gctcaggtaa aatcagccat tgtaaaagat 540
 ttgtggtaat tcccagggca c 561

<210> 7856
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 7856
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 ccctagagca caataaggag agtgctatgt gcagctgagc tctcgctttc aagaaacatg 120
 atagcaggca tcagcttaat ggcacagagt gccagagct cctgtccac gagtcaggaa 180
 atggatgcac ccagcccacg taggagggag tgtttcctcc ctgcccttg 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 ggcttggtcg ggaccaccat cagggcagca gcatgccatg acagtgccaa	180
aaagtgtga ggtccccaag gccaaaggagg atggatgggc catatgttaa ggaatacaac	240
tttcccctgg aaaccactga aggaagttcg ctttctccaa agcaaactcat ttaggacca	300
cccttctcca tatggcctag aagtctttgt tggagacagg ggcaggacac cctggaaggg	360
ggatgttaca cctggagttc agataagttt ctgagaattc ttttctagcg ctttcccttt	420
tcttttaacc ttacagaag atctgggctt ctttctctc ctcttctcc tcttctctc	480
cctctctctc ctctctctc tctctcttct tccttaattc atggatcatt cagaagtcac	540
ctttctt	547

<210> 7858

<211> 333

<212> DNA

<213> Mus musculus

<400> 7858

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gagacacgct ctgtgtttgc aaaaaaccac agcagttagt ttggaaagaa ataagctgct	120
gttcttcaag taaagggttt ttctttacat aattaaattc tccaggatc tctgtgaaat	180
actctgactt gttagaacct gtgagttgga atccttctat agctttacta aaactcacac	240
agcgagcat aggatatgtg tggaggtgct tagccaggca tgatttatat gttgatttca	300
gtcacaaggt tgatcagcag catgtgaatc cag	333

<210> 7859

<211> 429

<212> DNA

<213> Mus musculus

<400> 7859

aagccagcgg aggagaaact ttccagaaaa cagtaattac cctattgcaa tgaaacatta	60
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aagtgttagc cgagaatttg tgataatgaa gactgtaact ataagtccat ttttgtgaaa	180
aaggttgcag agtccgccct cttcgtattt tgttgatatg attggttggt atactacctt	240
ttgttggtat tttgaaggga aaatggttag taaaacattt aaatgtatgt gtcccatgac	300

tctgaaaaat ggttcagaat ccatcctttg agatctgtac acaaattatg tgcattgtctg 360
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 gcccaaccag 429

<210> 7860
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 7860
 ctccactgtta tcatggtgat tgtacatacc tctctttgct tatttaattt gccagtggcg 60
 gacatgggtg aagcagattt accgaagttt aacaggcagc ctccctt 107

<210> 7861
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 7861
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 catggttgaa gcagatttac cgaagttaa caggcagcct cctttttcct tgatggttgc 180
 tgtcatcagt gctttattta ccagacctgc ccagtcgtta gctcccatgt tgatactgtc 240
 taagctaaac cagcatgagc atggagaggc gaacaacaga ctttttagatc ttcaggacag 300
 catgtttaat tcggtctgtg tgggtctcct gggca 335

<210> 7862
 <211> 371
 <212> DNA
 <213> Mus musculus

<400> 7862
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 gcagaaccca ggacaacgaa gtgcaaagac agatgctgcc actgaaaatc gaagcccata 240
 gttatcatga ctctgaaag catgaagttg gctaccatga acagctgaaa gagaaaagat 300
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 ttagggacga t 371

<210> 7863
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 7863
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 gatgactgtc tgggatcaaa gttcaggatt tcacatttct actggctggg ggcgaatctt 180
 tctaacaact ttgttgaaa aattgtaccg tttaaagttg ggagactctt agttctgagg 240
 gcagagacac accaccattc aatgcttatt gaatctacaa atgctttctt gagaaaggaa 300
 gacattggga ctctctatct ggtttgatga tatagagatt tatcaaggtc tggaaatgtc 360
 aaaagcgatg tagcaccag gaggtcttca gcgaaacaca tgcaagctgt cttctacatg 420
 atctag 426

<210> 7864
 <211> 422
 <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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 <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

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 ttcagttacc acctcacaac tctccagacc tcccagccct ntgaatcaac ctcttctcca 120
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ccttctgaca tcccaccgag ctcacccaaa ggacagcttt atctctgaaa caaatcttat	240
ccatgaaaga ccaagctacc ctctgaagaa acacttactg cgtgcacaga gatattttta	300
actcctatct cacgggaaca cggatgacgg atgaagagtt cactcagcaa gacactgaca	360
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aa	422

<210> 7865
 <211> 488
 <212> DNA
 <213> Mus musculus

<400> 7865	
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acctcagggga ctgtcccttc acttctgccg agagaatgat gcaaaccctt gaggacgatg	120
tgttcctatg gaatccatct gtgacacctc tgtccctgtc aacaatattt ttgacagaca	180
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agaaagcctt cctccacctc tctagggcga gttaagcact gcgtcttctg tgggtggcag	420
cagacagcag ggaagagctg ccctgcttct ctgcagcttg ctagatgatg tcacgattgt	480
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<210> 7866
 <211> 477
 <212> DNA
 <213> Mus musculus

<400> 7866	
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tcagtcctca gccctgaacc agagaggcat catgtccaag aaatctgtac tctctggtga	180
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ccacaagaca accagctgct gtggttccga ctctctctcc agattctccc tgcctcttgc	420
tgctgctttc tttgccccct gcccctttcc gagttaacag tcgtttcgaa ctcaaat	477

<210> 7867
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 7867
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 ggctccagca tggaatgata ctatactgaa caaatcctat gaagattcaa ggaatagact 180
 ccgtccaggg agaagaagga acaggccatg agaccaagc ctcaactctt gcacaagaat 240
 ggggtgtatgt tctcccagag aaagatgata 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 atttttttgt tttgttttgt taagagactc aagttttatg 120
 atcgtgtact actcaaatca gagcaagaaa caaatgtatt tttctaagac atcaagataa 180
 attcttaaaa ttttgtctaa ggacaccctt cccacccctg tctaggcagt atgaggattt 240
 gctgtttata ggggtattctc agggcagcgt tattaacccc tgagggtgctt tggaatccca 300
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 tcctgttgaa at 372

<210> 7869
 <211> 504
 <212> DNA
 <213> Mus musculus

<400> 7869
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 caacttctcc aaactaggaa cctgattcag tgaccggaca ctaaacaact agttgttcag 180
 gtccaaattg atcatcatat cctattaaaa tatacaaaga attttcaact gaggaatatc 240

aaatgactga gaagcaccta aagaattggt caacatcacc tagtcatcag ggaaatgaaa	300
attaaaacaa cgctgagatt gcacctcaca ccagtcagaa tggctaagat cacaaatatg	360
ctaataaag aattttaact gaatcatctc tcatactact agtacactaa tctcttggac	420
ttcttcagca gtataatcag caatctaata attatctatg gacctgctct tagctcccag	480
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<210> 7870
 <211> 488
 <212> DNA
 <213> Mus musculus

<400> 7870 gttcagatgt gaatgccacc actgccagat gtgtgggggg aacacatctg ggatctctga	60
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cagtaacttg aactcaacc ttcataccac ccaaccccat cttgtacaag acaccatatc	180
aaaaggagag aacaaaattc agtgggtcaag gaaaaacaaa aggatgtttc aaaaggttct	240
atacaaatgg acagaatgac tgtgacactg tcatcctcat gagaaggaag atccaaacct	300
acaggatcat gagtgtcaac atcttttggg gagcatggtc aggaggagta atgtccaacc	360
gagtataat 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
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aggaagctta ctttgctcta atctgtatgg aaaatggctt gctgtccttg atcaagaatt	180
ccatgatcaa aagatttctg ctatccaaag tcttttaata cagatgccat taccaaattg	240
tctccttttg agacaccttc tctctgtgct acacaagatt aaaggctcgt cttctattac	300
tcacatgact gcttacgctt tatcagttcg catagctcca agtatgcttt ggaatccttc	360
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ttgacaagca gcaaccggat tggccaaata gcttctggat ggagaaat	480
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<210> 7872
 <211> 437
 <212> DNA
 <213> Mus musculus

<400> 7872 atgttatacg tgtagactc ggtacaatgc ttggtacaca tgacatcatt	60
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gtggactgaa acaaacctag aaattactgt taaaccaga	240
ataagtcgtg taaaaaagta tgtggtctga cgacttacta	300
agcttgtaga gtaaggaaat acatatgtaa aagtccaat	360
ggcccagcac gattgggggt cccctatgt attccattaa	420
ttgcaaaaac aaaaaataga taaataaaaa taaaaactca	480
gtgaattcta gatgtgcctg ctgagcttgg agacttcaa	540
atatgagtga aagaaaagaa agtgtgttcc ttttgtcttt	600
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<210> 7873
 <211> 483
 <212> DNA
 <213> Mus musculus

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ggaagaaacc aatgtcctca gccaagtcc ttgcagcttt	120
taaagccatc caacttgagt tctttgacac ctctccaga	180
ttctgactcc tcaccaagta gaattccac atgtaagaag	240
gcaccaggaa tcacaccatg ccattcaaaa catcagccaa	300
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aacgtctaaa ctccgtcccc cttctggctc tttcaagcaa	420
aaacaaataa gtaaccccca agtagagcct cagaacttcc	480
aggccaagac aagcatccca aggccattag cacggccaaa	540
agagctgcat gctccacaca gcggtttgca ttctggggat	600
tgtgtggcct ctaatcgata ttctcgtctt cctaaaccaa	660
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ttt	783

<210> 7874
 <211> 385

<212> DNA

<213> Mus musculus

<400> 7874

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acgcaggcctt agatctcacc atcttcgagc ttctgaagaa tctactggcta gaacactatg	120
caggaaactc ggtgaatcct ggaatagcaa ttgtgctggg ttgtagcaca gtgtcacaca	180
cttgtggcca gttagccagt tttccactga ttcttgtag aactcgcattg caggctgtca	240
tgctggaaaa ggaaacagtg cgcattgatgc 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

atagctcagt cagtatggcc atgaagacat gaattcctta taaccagaa gaaaatgcc	60
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gctggtcagc ctagcttcct cagttagccc caggctcaat gcttcctgtg gcaagctccc	180
aggggcccc 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
ttccatgcc aagtgtgttg taaatggctt aagggaacc gtacctgccc aatttgccga	360
gctgatgctt cagaagtgc tgcgattca gagtgaccag cctaagagca caaatttagt	420

ttgggtgttc ctcatcacat gtatatatgg actatccatc gaacttaacc tgtgtgcttc 480
 cagccctccc tttaacaaaa ggggtcaatgg acctttcttt gcactgtgtg act 533

<210> 7877
 <211> 481
 <212> DNA
 <213> Mus musculus

<400> 7877
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 ctccggtggc ggcgagcgac agagggcacc ggcgcggacg cggggggatg cccacaggcg 120
 agcggccggg agccggaggt ccccgcgat cccacgccgc caccgggacc ttgcaggcta 180
 acacgattgg agccttgagc gtcggtggac tttcctggaa aaataggaat attgccaccc 240
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 g 481

<210> 7878
 <211> 468
 <212> DNA
 <213> Mus musculus

<400> 7878
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 tagtcatttt ttctttgtat ttttcaccct ttcacttatt gtaatatgaa tttgtgtttc 180
 tctttgttca tgctgaaat ttaattggaa ctttcaactt gatagcctta tcaaagcagc 240
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 tttatctcaa tattaaattt cacacatatc aaattcagga gaaaatgtat acttgaagac 360
 tgaatgcctg acaagactga aaggaacact tggcaaacac ccaaaggctt aatcttacct 420
 aatatagaag tcaccagat tatgggtctg aagaattccc aaggaaga 468

<210> 7879
 <211> 538
 <212> DNA

<213> Mus musculus

<400> 7879

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cccagaggca gccacaaagg ggtcaggacc ccaggactcc tgccgtcctc atgctggtgt	120
ctaacagaga tctaccgcca attcatgtgg gttcaacccc aaaaaaccc aggaccgtgg	180
taaggcactt gaatatgctt caactgtcat cttcaaagt 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 caggggtgcac	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 aaagctttta 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 ctcccttgatg gccatggact ggaagggatc 240
ccgagcatac agaagggcac gtcgaaaggt ctggaagatc ttcaaactcg ataatagaagt 300
ggctggttat gtgaggcgtg tgggcaaatt ccatcaggta atcgtccgag gtggaggaca 360
cattttgccc tatgaccagc caatgagatc ttttgatatg atcaatcgct tcattctatga 420
cag 423

<210> 7883
<211> 508
<212> DNA
<213> Mus musculus

<400> 7883
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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 cttttggcac 360
cacaaccaca aacaactctt aacattcaga aacattttctc 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 tcctcaaadc	120
tagaaactca atccaatgac acacacctgc agtgatgacc agtcccttca ctgagtaagc	180
agagggcaca tagacagcta tgggtggaag atgaaacccat cgcaaccgca tagacaacgg	240
tgtcaacact ggaaccaatg ccgggcccaag cagggacctg gcctaattct ccagccaagt	300
ggaagcattg tgcaaatctg caaccgcctc tgcacatga ctgtctaadc ctaattgtaa	360
tgtcatctgc tccagtcagg tcttttgcac acagggct	398

<210> 7885

<211> 285

<212> DNA

<213> Mus musculus

<400> 7885

ggatgattct gacagctaac tagctttctg tgacgggtgga gccggggagg aggcggtagc	60
tatcttctgt catgctgaaa aactgggatg gtgccttctt caactacttg gtttgcacac	120
agatccacag agacctttga actcttccag aagctctttc tgaagggtgc ccctccacgt	180
gttaggtctt cctcctgggc gcctgcctga gcgtgctcct gcacaggtg ggggtgggacg	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 ctctggacac gcctgtgaag	120
aattctctag tttaggtgag aagaattact ctaaagttaa gcacgcacca ttccacaggc	180
tggggctctg 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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 gtttgtttgt gtttttaaaa tatgtacgag ggatttgtct acaagtatgt ctgtgtacca 240
 tgtgcatgcc tgggtgccttc aacagccaga gaagagctta gatcccctag aactggagtc 300
 acagattgtt cggagctgcg atgtgggtgg tgggactcgg cccaggttct ctggaagagc 360
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 ctgatcatgg gatataattcc tgatgtcctt tgtcgtcttc atgatct 527

<210> 7888
<211> 457
<212> DNA
<213> Mus musculus

<400> 7888
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 cctggaacct gtgctgaaaa aagggttgat tcttctctgat aaacaaagca aagccctgct 180
 aacaagtacc ccattcttcag acatagctga gtttgtgatt gatttgtctc cagtgcacaaa 240
 tgtgtctttt gaagaactat ttccaaatgt cagcaattat gttaactcaa gtgaagttgt 300
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 ctgtttgtatt attaggtcat caccaggaac cagacagatg agaaggaaag accctgctgt 420
 gaaaaacaga tgttctcttc ctaaagatgt tcctcta 457

<210> 7889
<211> 330
<212> DNA
<213> Mus musculus

<400> 7889
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 cagaagacag tggccataag acttggaaca ttaatgccaa gggtccttca tcaattacat 120
 ctcaaaactt aggggcacat gaaaggaact gaagaagaaa tctgaggaca tccgtggcta 180

cctaaacaaa cctattggct ggtattgttc tgctattgca gggaagcccc atccttgaaa 240
 ctgtagaatt tgcattaata ctagcttcta gatttacttt gcagcttttg aggactgatt 300
 ttgccaaaggc cccacaagac acgaggagca 330

<210> 7890
 <211> 502
 <212> DNA
 <213> Mus musculus

<400> 7890
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 cggctgccct ttgatgacac caatctcaag aagctgctga gagaaaccca gaaggaggtc 120
 actttcccag ctaacttgac catctcccag gagtgcgaag gctccagcat aaaaccaggg 180
 cccagcccc tttcaccaga gtagtgcatg gggccatcct gcttcttcct taggtccagc 240
 tgctcagtgc ctgtgctcac aaagtggggg caagctcagc caagccctct ctctcccctg 300
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 gtcctcaggg acccctggat gctcaagttc cagcctgagc aaccttcgaa tgaaatcagg 420
 ctgctcgagg ccatgtacca acccaccagc tctgctaaac ggcaccagtc cttggaaatc 480
 acaacctgaa agtggctgag gc 502

<210> 7891
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 7891
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 aaaattatth attaggaga aggaataaca ccttcagcta tttgcctgga gttcataatt 360
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<210> 7892
 <211> 520
 <212> DNA

<213> Mus musculus

<400> 7892

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gagatacatg ggaggatgca ggccagggac cagccaattc ctgccccag atccagaaac	180
tctggtccat tggccgatgg atgcccctag gaccagcaga ggatgatctt gactcgtgga	240
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cgtcgcatgt gctggccacc gacctgctgg tgcagatcct cctggggccag gcaggccccg	360
ccgggcccc cagcgtgcc gggcccgcg cttgggcagc cccggcatcc tgagtcccag	420
gagaaggcgc cagctcgagc ctgacaaccc caaactccag gcaggaagag gtgcggctgc	480
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 ccattctctag atgaagatat accttcacct attgaaacgg atgaaataag	240
gtcatctcag attttcttt ctctgagaag ggcagctcaa attggaaaat ttccaacaa	300
tcactctcca aagacgatag aaactagtat tcagctctct tgagaccgt tcttacgcag	360
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<210> 7894

<211> 204

<212> DNA

<213> Mus musculus

<400> 7894

ccaaagatgg atacgtggtt tcatagttag gaaacactta agcccctatt ttaaacataa	60
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aagtgatgaa gacaaatact tggaggattt cttctttatc aagcctgaat gcaacataaa	180
agggaagggtt gcacactgga aaca	204

<210> 7895
 <211> 254
 <212> DNA
 <213> Mus musculus

<400> 7895
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 ggaatcacgc acttcactcc ctggacaaca gcaatgagaa ctgcctctg attggacgct 120
 agggatgtca gctgtacata gaagataagt gtgaggtgga agagagaact tcatctaata 180
 gtacatctag gacaaaatat tttaacaaac tgaatcttaa tttaaaattg tcatgacatt 240
 actcttcac taag 254

<210> 7896
 <211> 337
 <212> DNA
 <213> Mus musculus

<400> 7896
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 ttaagtctac cacaagccat attgattcct gacagaa 337

<210> 7897
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 7897
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 gctaaccggc tctctgacaa gatcttcatt ctgttcgggt atataatgga gaaatgggcc 300
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<210> 7898

<211> 204
 <212> DNA
 <213> Mus musculus

<400> 7898
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 aagatagttg ggaagcatct gaaaacaatg ctcagagtaa caaatctaag cggcccagag 180
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<210> 7899
 <211> 506
 <212> DNA
 <213> Mus musculus

<400> 7899
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 tttgttttgt tttgttttgg ctctggagac ctcgggatcc tttatcggtc tcccaaacac 180
 tgccttccta gatctctgtt agttatTTTT cgtttgctgt ggtaaagcac catgactaag 240
 gcaacttaca gaagagttaa ttatgagttc acagttcggg tccagagggt gagtccgtga 300
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 tgacatacca cgaagcattg caatat 506

<210> 7900
 <211> 458
 <212> DNA
 <213> Mus musculus

<400> 7900
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 gatgatcatg cacacggagg attccatgaa aaagtttgag cgggatctga cgttggagag 180
 gaaccttgcg attatggagg agaagcaaat aatcctgaaa cgccagcaag aggagggtcaa 240
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 caagaagacc ctgcggcaca cagaccccat ggttctggat gacttcagca ctagtctctc 360

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<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 tcaaattggat gactcaattc 180
 tgaccaatga gagacaaggg gatgattcct gactcagaaa cccagcagca gacttctttt 240
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 tggaaccctg aaggaatcca actttcagaa tgagaaagat aaagggctaa ggacaaaaac 360
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<210> 7902
 <211> 539
 <212> DNA
 <213> Mus musculus

<400> 7902
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 tgaccattga agaggcctgg gccaaaagca agaagtgggtg tgggcctggg cctatccctt 300
 tccctgagga gttttggccc aaaactagta tagatgttgg cctaggccaa gccctgacct 360
 tgaagatgtc cagatccaaa ataagaaatg tgggcagcct gtcccaacct ctgccactta 420
 agaggcttgg gctgaatcaa caagaattgg ggcctggcct tttccctaata cctctagagg 480
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<210> 7903
 <211> 451

<212> DNA
 <213> Mus musculus

<400> 7903
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 agaggaggaa catgggagac tggcctatcc ttgtctacag caccgtgtgg cgatcagttc 180
 tgccctccat ccacagctca ggccaggtct tggcagcagc aggcaagaca tcaggacagt 240
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 ttttcagaga cctcgggtgag tcgccgggtgg gatttgggag tctctgtccg tcacggtaag 360
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 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
 tctagtccaa ggagccaagt ctaagcaggg atctttgact gagtcagggg ttctaacaag 180
 gctgcatgac ctatccatac agcagacatc tccagagtgg aagtcatttt ttgactgtgt 240
 taccgtgtct gatatagaga aatgcttgag ttcatacctca aagtcaaatt ctccaaagcc 300
 aagttacgga acagcgatcc cggaatggc actgctctcc aaaaagaaac ctgagtttga 360
 aaagctgtca ggatatggcg gtaaa 385

<210> 7905
 <211> 296
 <212> DNA
 <213> Mus musculus

<400> 7905
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 cggttcctgt ggctcagttt cgatcagacc tcccttgagg tgccatactt ccataagag 180
 caggttgac gctcgggaca caggtggcaa gccacgctcc cgcggtaggt cctactcctt 240
 gctgcctgag tcttggtagg gatccttctc tggaacttct acaatactct cagctg 296

<210> 7906
 <211> 226
 <212> DNA
 <213> Mus musculus

<400> 7906
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 ctgtgcagca gagagagcag cagcccttag aactaggata ctaaaccagc tgccttggag 180
 actctagaga ctcggaaaca tgggaagaag gccacacca caacag 226

<210> 7907
 <211> 395
 <212> DNA
 <213> Mus musculus

<400> 7907
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 tacaactcag tctgagtgtg ctaagacaca accacagaag caaacatgaa ggaagacgct 180
 caccacatcc acagcatcgc acagccgctc tcgggggata tgctcagtga tggacggaca 240
 ctgattctgc aggagcagca cagccttcaa accctcggct gtgcagtcag caacgatcca 300
 gccacagtcc agtgtgctga aggagaaacc accctacaga gacagagtgc aacagtgccc 360
 tccctacaga gccgcacagt cagggcaagg cctag 395

<210> 7908
 <211> 462
 <212> DNA
 <213> Mus musculus

<400> 7908
 aagttacatc tagcctgact ccaagaggct ccaacgaccc cactactact gccgtctggg 60
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 atttcctttc ttgggtgggt cagctcgcct ccgtggaaga tgctgcctgt gctcggatgc 180
 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

<210> 7909
 <211> 499
 <212> DNA
 <213> Mus musculus

<400> 7909
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 caactgccaa tcgaggggag gtgctacaag tgtactgagt gtgtggagta ccacttatgc 180
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 aaccaaagat ggagatcagt agaaaaaaag atcagaagtc atgaaatatt taaatactga 300
 aaatgagggg gaagcaaagc cgggatgttt tcaagaaaag cagggtcagt ttacacacc 360
 gaagcatgtt gtaaagtctc tgcctctcct gatgattaca aagaagagca agctgctggc 420
 cccagggtag cagtgtcgac ttgtcttgaa atcattttct ttgtgtcaat atacaagact 480
 gctacatgt actcacaag 499

<210> 7910
 <211> 417
 <212> DNA
 <213> Mus musculus

<400> 7910
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 caccatcgg gaaactacct catcacagcc tccagtgcact caacgctgaa gatcctggac 180
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 ctaaccagct cttctggaac tctgacagt tccattctgg aacagcgact gacacta 417

<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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<210> 7912
<211> 286
<212> DNA
<213> Mus musculus

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<400> 7912
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atcataagta tcttcgtggc tatatttggg ttaattctac ttggatatga atttccaatt 180
tttgaatcaa taggaactga atacatttgg tcaaatatgg ctggcatgat gcttctacaa 240
atttctgtca tgtgtgccat cacagagctg gttattgcaa tcctag 286

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<210> 7913
<211> 420
<212> DNA
<213> Mus musculus

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<400> 7913
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tggccgacga cgacagcttc ttctaccttg gcaccacaac cggggatatt ctcaaaatga 120
accccaagac caaactgctg gcagatactg ggctgtgaa ggacaaattc agcttgggag 180
tgtcggctct caggtgcctg aagatgggtg gtttgttggt cggctctgga gctggcttgc 240
tgatcttctg taaaagcccc agctacaagc ctatcaagaa agtccagctg caaggtggta 300
tcacctctat cacgctccgg ggagaaggac accagttttt tgtgggggcg gaagaatcgc 360
acatctaccg cgttaacttc accgatttca aagagactct cattgcaact tgtcactttg 420

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<210> 7914
<211> 387
<212> DNA

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<213> Mus musculus

<400> 7914

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aattgaattc ctttgggctc cttaggagct cctgaggagg aacaaaggaa ctgaatgtag      60
taatgcattc aggccaagga atcaatcaga gactggctga gtatgcctaa ccgaaagttg     120
atgagagtgt gaaggaccct cgtccacact tggaatattt tgctggttca tttatagcaa     180
atctttggca ccagaccata caatgtgtat ctacagttca caggtttaaa tacgcttcag     240
cagctaccga gcagcgtttt taaaaagcag aaaggaaact tgataattaa agattcataa     300
aacaatctag gaaatcaaca tggaaagacc atcagtgggt ctgaaaactg aacaccatgt     360
ataaatgctg tatctcgga ggtccca                                     387
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<210> 7915

<211> 529

<212> DNA

<213> Mus musculus

<400> 7915

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acagtggaca acagcctcgg gaagaagaaa tacgatattg atcccagaaa tggaatcccc      60
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gcgggagcaa ctttgccctc ggtgaacttc tctactgggac cttacgagaa aaaattagac     180
acatttatcc cacttgagcc acttccaaaa attcccaatc tgcctttctg ggagaaggaa     240
aaagccaaca atttgaagaa cgagataaaa gaagtcgagg agcttgacaa ctggcaggtg     300
ccgatgccct tcctacatgg tttcttctcc actggtgctt ccaacttttc aagacaacaa     360
tgagcagaga cattgagccc ccaggcattc gctgactgcc ctcccagcca gcctctgcca     420
ttgctgggtg tttttattct ttgcttttga cattgtctct gtcctaaacc atttgtttga     480
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<210> 7916

<211> 167

<212> DNA

<213> Mus musculus

<400> 7916

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acaaaaagag gcaataggca cctgtaatga agttctgaca ataaaagaag ttgggcatct      60
catttccatc ttgcatgcca aatctttcat cctctcctgg aagatgaccc caacacatca     120
agcgcaagag aatgaagaca cagaacattc cactgcagtc atgtctg                                     167
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<210> 7917

<211> 270
 <212> DNA
 <213> Mus musculus

<400> 7917
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 tttaatgata tgtgaattcc taaatgtact gtgagtaagt acaaaaggag ccacattaag 120
 ttcattctgtt cttctcagct cagaagatgc catgtggtga gatgcagttc acttgtatgt 180
 attttagttc aggacaccct cagatatgct gggtttggca agagaggtta acattgttaa 240
 agatatttca ccacatttac tctgttaaga 270

<210> 7918
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 7918
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 gtgggcttgt gtattcagag tcaaccacgg gaagactgct gggtagagag agccagtcct 120
 gttctatgtc tcctaataaa ccaactggga ctagtgggca tcatacataa gacttcaaag 180
 atatgtcaaa atcccgagc catcattaga acagctcctt actttacctg gataaa 236

<210> 7919
 <211> 537
 <212> DNA
 <213> Mus musculus

<400> 7919
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 ggtattggca accagttcat ctgcgctgag cacacctgta ggcctcctgc tctgagcctt 120
 tagctggcgc tgcattgatc ggaacatgga cacgtctgct ttcccttcat atcttacaag 180
 ttccacagtc aggacaagat aaaatcaaca tacaacctag aatttcagac aataattatt 240
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 ttaaagtaaa agcttgcac gcattgagaaa aaatcttata tatggatggg gcacatgact 360
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 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 attgactggg gtctgggtcac ctacagagat acttctgtcc ccaagagttt 180
 gggacataaa cttaccagga atccactgtg atgaccaca 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
 agtgggtccag ggggcaaaag caacagatca gggagaggtc agaagcctga gccagggtag 180
 tggcaatggg ctaggaaaga aaaggacgtg ggcagcagaa tggctacagt ttgggagtta 240
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 tttagagtca gactctaaac tgagaaatgc ctccctaagg ttgggcaata ggcaagtgtg 360
 cgatctatct ttaattaatg cttgatgtgg atggaagtgg cagtggggggg ttcgtctggg 420
 tagtataagc aa 432

<210> 7922
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 7922
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 cctgggtgga gaaagatgag ttgggccgga gggagctggg gatgggcagg tgtcgaatgg 180
 agcccagcag tgggggtgca tccatgtcca ctgaggaaac ctcaccgaag atgaaacatt 240
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tctgtcctct gattggtgag atcctccggc agctggatgt gaagctgctg aaaggcctag	360
taggtgcctg ctcataatth gggtaaccc tgaatcagtc agatctctgc tgccagactc	420
aa	422

<210> 7923
 <211> 536
 <212> DNA
 <213> Mus musculus

<400> 7923	
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cctgacctaa gtgaccagac cagagagaga acaaaagaac catgccttgg tcagcactgc	180
ttaattatgc atggccttgc cccctgctgt ggctcctctg ttcagggtcta aagctcccct	240
catcctgagg aaggacttgg gggtcactgg atattgtggc cacttggaat aatttcatca	300
tcacttgagg gatgtgagcc acagactagc ctgtgggggc tcctaccagg gaactgaggg	360
ttagggaaag tcaagaaaca acacaaagac tggaagctth ctccacctcg gcttcccaag	420
acagatggag caagttcaga taggtthtca gaggagactg gaagcctthc gccatctggg	480
cttcatgtaa gaaaaatggg gtccacaaga aaagcacggg catactcatc tgcac	536

<210> 7924
 <211> 518
 <212> DNA
 <213> Mus musculus

<400> 7924	
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ctggacatct ggctcgggaa tgccccattg aggctaccgc ttagtaacct 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 aactagtgg atcctttgag tacggttcgt tttgacacac	360
taaattagaa attgatagtg aaaaattaca gcaagcttgg aacatcgtct ttgaatttac	420
taacaaatac tatatatgta tgtcagatag agataaactg ctttgaagcg agagacaact	480
gactaaaata agaagagaaa ctacttcctt ggtgggtgg	518

<210> 7925
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 7925
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 ccccgttcca aaatgtaaat cgatacgtaa 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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 gatccaacag ggaaatgtgg gcctcctcca cctattgaca atggagacat cacctccttg 180
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 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
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 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 caggagggtg catagagtgt 120
 ttccatgatt tgtagaattc caggctcttc caccaccttg tctttctcag cttgcttttt 180
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 gcctcctgat actagttttg tagcctcctg agtgtctagg gccactttct ttggtgaat 359

<210> 7930
 <211> 396
 <212> DNA
 <213> Mus musculus

<400> 7930
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 aagttagaag acttccgtgt tgatctccct tctagtggagg aatttggaag acaaagacat 180
 tcattactt ctggggagga gaggattcac catacacttc ctccaccaag tgctgctgag 240

cctgcatctg caggggaactg cagtcccaag gacggtgtcc aggggaaatc cacaggagcc 300
 cagtgacaac tcacagtgac agtgccgcct tggcctctag ggttgaagta ccaggggaagt 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 ccaactgac tctgaggatc 180
 aggctcgaca ggccattggt gaaatgtttg agggccagaa gaggccaagc tcatggccta 240
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 accacatgcg atccaacttg tttcaaggcc caccacagga gacaaagagc ctcatgaagg 360
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<210> 7933
 <211> 540
 <212> DNA
 <213> Mus musculus

<400> 7933
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 cataaaaact gtgggctgtg ggcactcact gcagagagga tgaggcagga ggcagagtcc 240
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gtatttcctt tacaatgata ttaagtagcc aggaaggagg aagtaaagag acttggcagt 420
 ttccagttac aagtcattcta atagaggcaa ggcatggcag caaacaccct taattctagc 480
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<210> 7934
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 <212> DNA
 <213> Mus musculus

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 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

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 cagacgtgag agtttctctg tgtagcgctt gctgtcctgg aacatgacct gtatccgcca 420
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 gagaaacaac gagccaagac caagttctct g 511

<210> 7936

<211> 241
 <212> DNA
 <213> Mus musculus

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 ttgtggcagc ggtgatcgta ggtgcagcca cctcccgctt tgagagcgcc ctcctttaca 180
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<210> 7937
 <211> 501
 <212> DNA
 <213> Mus musculus

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<210> 7938
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 7938
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 caggtccagg gacagaggaa tgtggacaca gagaaaatgg tgagcatccc acagggcagt 180
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<210> 7939

<211> 260
 <212> DNA
 <213> Mus musculus

<400> 7939
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 caaagctttt aaccatatat 260

<210> 7940
 <211> 374
 <212> DNA
 <213> Mus musculus

<400> 7940
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 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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 atctcaagct ggaaaagcct gcattatatt cataatagca cagaagaatt ctagatagga 180
 aggacagacg gaaacgaatg aagactttta 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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atcaacatct aataaggaaa tatttcctat gggaaatfff cacttgaaga atggatgctg	180
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gtttatatag ccacacatgg attttcatgg ttggtgattg ctcaatgtgt cctctgcac	360
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<210> 7943

<211> 547

<212> DNA

<213> Mus musculus

<400> 7943

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gaaagccaac aagcagtaga acacagctgt tagctcaact cctggaggac caacacttca	180
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gcccctcggg gcttctgat ggctcatcca cctggagcca tctagccctc ccctgtagcc	480
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<210> 7944

<211> 171

<212> DNA

<213> Mus musculus

<400> 7944

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 ctggatatcc ggcgccaagt gcccgcaaac tacattctcc tggcgttctt t 171

<210> 7945
 <211> 265
 <212> DNA
 <213> Mus musculus

<400> 7945
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 agcctttcag tgaactgtgg aattatgaag ttgtggaagc attttttttg aatgatacaa 180
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<210> 7946
 <211> 414
 <212> DNA
 <213> Mus musculus

<400> 7946
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 cttaccagtc tggatgtatc aggagaacat gagaacaatt ttgtagaata catctctttt 180
 atacatcaat atgatgccag gagaactccc aatgaacca tcaaaggaaa gaaacatgga 240
 accttcgtgc agagagagat aaaactaggg gctatgccaa tagttcctaa ggcaccggag 300
 gtattattga acactctaga gtcaggttca tcagaacagc cccaaaaaac agacaaagga 360
 aattcatcag gagacaaagt gacctacca ggcctatgcc aacagaattc ccaa 414

<210> 7947
 <211> 409
 <212> DNA
 <213> Mus musculus

<400> 7947
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 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

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 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 7948
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 gttgacaacc agctgatgca cgtgaaggac ttggagcttt tactgaaaaa actgataaag 180
 ctgtggaaaa tggatctaaa tggaaatcct gtttgtctta aaccaaata cagggacaaa 240
 ctgatactga cgtccaagtc actgggaatc tgtccttgaa ggaatctgaa agctcgctaa 300
 caaaaaacga tatccatgaa cctc 324

<210> 7949
 <211> 344
 <212> DNA
 <213> Mus musculus

<400> 7949
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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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 <211> 554
 <212> DNA
 <213> Mus musculus

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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
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attgtcccat tgagtggttt cactttgcct gcgtggatct caccacaaag cccaaggaa	480
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 <211> 523
 <212> DNA
 <213> Mus musculus

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cctacactgc ttctggctat attttgttgt cacacacgcc cagatcatct accagagcaa	300
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acggcggaata tcaaagatta tacactttgt ccagcaccac agtgaataac ggtggccatt	420
ttccatccct ggagattctc agggtagtcc tggctcctcca caatgcatct ctccttttgg	480

ggggaaggat tgctttgagt atgctatatc ctcttttagcc tca 523

<210> 7953
 <211> 452
 <212> DNA
 <213> Mus musculus

<400> 7953
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 tcttctccac catctatcca tcttgacgta gg 452

<210> 7954
 <211> 530
 <212> DNA
 <213> Mus musculus

<400> 7954
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<210> 7955
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 <212> DNA
 <213> Mus musculus

<400> 7955

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<210> 7956

<211> 86

<212> DNA

<213> Mus musculus

<400> 7956

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<212> DNA

<213> Mus musculus

<400> 7957

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571

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<210> 7959
 <211> 334
 <212> DNA
 <213> Mus musculus

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 ccgttcgcat gatctactct cctataggtc tgat 334

<210> 7960
 <211> 564
 <212> DNA
 <213> Mus musculus

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 <211> 394
 <212> DNA
 <213> Mus musculus

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<210> 7962
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 7962	
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cagacctact ggggagtcac tccaggaccc ctgtactcct tggacattct tcactatttc	180
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<210> 7963
 <211> 370
 <212> DNA
 <213> Mus musculus

<400> 7963
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 caacctcatt tcaaccattc actgtgcaaa aaagattgtg tctggaccag gagggatgaa 180
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 atgccatctg ggatgagcca ggggtgcagac ctactgggga gtcactccag gaccctgtga 300
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<210> 7964
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 <212> DNA
 <213> Mus musculus

<400> 7964
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 cctaccctgc aggcattggag ggaggggaagg ataatgaagc cttggacagt cagcccagga 300
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 ac 362

<210> 7965
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 <212> DNA
 <213> Mus musculus

<400> 7965
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 gacaatgacc tcatgaagta ctgggccttt cagacttttg atggagaaat tgacctgaaa 180
 ctctcacca aagtgtctggc cccagagcat gaagtgcgag aggatgatgt gggctgggac 240
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gcagagaagg aggatcctgt gggaccatct aggtacatct gacccaggag catcactgag 360
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atacg 425

<210> 7966
<211> 551
<212> DNA
<213> Mus musculus

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ctctgtccat c 551

<210> 7967
<211> 526
<212> DNA
<213> Mus musculus

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gctttcatga tggcccatcc agagccagag ggagctgtgg aggggggtgca gtgggagcag 480

gcccacgccc atgccacat ggcttctgga cagatgcctt tagtga 526

<210> 7968
 <211> 458
 <212> DNA
 <213> Mus musculus

<400> 7968
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<210> 7969
 <211> 497
 <212> DNA
 <213> Mus musculus

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 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 cactgttct 480
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<210> 7970
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 7970

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gctttgtgag gaaatggaag gagaaggtgg cctggcctag gctcaciaag gaggatataa 180
agcctgtgtg gctctctgtg gacttcgata actg 214

<210> 7971
<211> 568
<212> DNA
<213> Mus musculus

<400> 7971
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gagaaatgtg atgtttctgca aagcatgaat aatcatctgg aagcagtgtt aaaagagaag 180
catgccatca ggcaaagact gctgagaccc atgtgccagg agaacttgcc attggaagct 240
agttatcaca gatatgtggt acatatgttg gatctggctg tgactttcat tgagaaattt 300
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agcaaagctt tagccaagat ggatatattg gtgaacaaga cagaagaact ggcagagaat 420
atactcaagt ggcgagaact acaaacagaa atttccttgt atatcccaa 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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tgcttgcttt gaaagtggta acctcggccg gggttgagcaa gtctctgatt ttgagtatga 180
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tatgatctgt tcattaggcc ggacacctgt aatccacgct tccgagtctg gttcaacttt 360
actgtt 366

<210> 7973
 <211> 233
 <212> DNA
 <213> Mus musculus

<400> 7973
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 catcagggaa gagagtttcc tctcaagagc gccaaaggcg ggacctttac ttcgagttca 180
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<210> 7974
 <211> 531
 <212> DNA
 <213> Mus musculus

<400> 7974
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 tcagaggcaa aggcagcagt ctaaagagag gaggcacca tgttctagaa gggccccggc 180
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 acatgacacc cagtacagct acacacacac cacttttccc gaaataaatc ttcacgtact 480
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<210> 7975
 <211> 499
 <212> DNA
 <213> Mus musculus

<400> 7975
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 ggggtgtacaa agaaaaaagt tccaacatac tatgtttatc caaaaagacg taaaagagca 240
 ataagaccaa caatatatgt ttgttatcat atgttaaata ggaagtggaa agaaaggagg 300
 gaaaaaagac aaaataaaag acggtatcag tccaagaaaa ggagtcaact taagagaaga 360

tgtcaaagta agaaacaaaa taaaagcaag agctatcttc agattaagta 420
aagtcccaga taagttcatc acttttaaatg aagatcaaca taacaaaaag ataatgaac 480
ttgcaaacat ttgtagcat 499

<210> 7976
<211> 494
<212> DNA
<213> Mus musculus

<400> 7976
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ttctgatggc atat 494

<210> 7977
<211> 166
<212> DNA
<213> Mus musculus

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gcaggcagac agtatgagac cactgagggg tacaggacca tcggtc 166

<210> 7978
<211> 330
<212> DNA
<213> Mus musculus

<400> 7978
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ggaaactccc ggtgctgttc gctcactcgt tagaacactc cctcgattta gtcctgtgta 240
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 gtaaaaattg tatatgagtt acccacgtat 330

<210> 7979
 <211> 365
 <212> DNA
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 ttgtagcttt ggggatcggg ataaggattc agtgtcgaga ggcagagtca cgacgtagcc 240
 agaataccat tgtcttactt ttcctcagcg ggttgctgct gctgattgcc ttggccgtat 300
 acatttcaa gaatgcctgg aagccagaag tcttcttctc ctggctctac tttttcggat 360
 ggttg 365

<210> 7980
 <211> 351
 <212> DNA
 <213> Mus musculus

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 aaccgcatct ttgtaggagg aattgacttt aagacaaacg aaaatgattt aagaaaattt 180
 ttctcccaat atgggtctgt aaaagaagtg aagattgtta atgacagagc tggagtgtcc 240
 aaagggatat gtttcatcac ttttgaaact caagaagatg cacaaaaaat cttacaagag 300
 gctgaaaaac tcaattataa ggataagaaa ctcaacattg gtccagcaat a 351

<210> 7981
 <211> 394
 <212> DNA
 <213> Mus musculus

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 <211> 295
 <212> DNA
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 gccacggca attggaaaca a 321

<210> 7989
 <211> 86
 <212> DNA
 <213> Mus musculus

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 <212> DNA
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<220>
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 <222> (436)..(436)
 <223> n is a, c, g, or t

<220>
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 <222> (449)..(449)
 <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> (461)..(461)
 <223> n is a, c, g, or t

<400> 7992
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 actggagggga ggggccgctt ccgggagccc cgccccgcgg cgcgagagg cgctgaccgc 120
 gccctctggc gcaactgccga ccaatcatag gccggtatgt cggctccggg atcaatgagg 180
 gggcggagtc accgtgccag ctcgaaggcg attcaaactg agggagccgg ggattggctg 240
 aagctgggta ataggcaagc agaaagcctt gtgtccaatt cccattcaga agctctatatt 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

<400> 7993
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 cctgtagagg tccagcagag tacggtggtg cagaatagca ccggtctgtg gaactcattt 120
 tcattttctca 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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 ggaggatggt ctggtcgcca caacagccgt cgtcaaggaa acgaagctgt cagggaatac 120
 agagccttcc gctgctaccc ttgagcagta tggctttctcc tgcttcatcc caaaatgtag 180
 tttatacaaa aatgttcaga atcagaatga ttcttagggg taagg tacta gcctatcgta 240
 aagtcaatcc ctagcttaaa tgaaatttaa cactaacatc tttcgataac tgctcaagtt 300
 cataggcaag aatctttcac cactaatgta ttacgctatc acagttaaaa attatagttg 360
 taggaaacta caaccaggt acccaggtct cagggatcaa 400

<210> 7995
 <211> 282
 <212> DNA
 <213> Mus musculus

<400> 7995
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 aacggcgcca ccgcccggcc tcaattccgg attctggacc aatcgggatc caacataccc 120
 ggaaatgatt cctgccgaag tgggtggagt ccgagagaag aagggaagta ttggaagctc 180

agagaacaac cagcctgggg gcgtggctta gtagtggagc gacgggcttt tgtgacgcc 240
 tggcgggctg gctgggcaga tttgaaagtt gtggtgagcc ac 282

<210> 7996
 <211> 282
 <212> DNA
 <213> Mus musculus

<220>
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 <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>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<400> 7996
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 ttgaagggtg ntctttctca ttttcgcata gttaagatta gtgttcgact taaagccgtg 120
 gctgacttca tcatcccact tctgtagact tcgcattgtt tgtaaactgt cagcgatgt 180
 cagagatcca cagtgcaggt ctgcagcaag aatgggcgtg aagccttttt caaaaaaaca 240
 attgctgggc tggagagatg gttcagctgt taggaacacc ga 282

<210> 7997
 <211> 520
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (473)..(473)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (487)..(487)
 <223> n is a, c, g, or t

<400> 7997
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cacacactcc cttccaggac ggaagaaatc gccaatgtaa aagaacactg tctttcacia 120
atagccattc catcatcgga cagagcttca cattgtggat tgaaagtcac ctttgaccca 180
atcattcaat ctaaatagtt cttgagattc acatttgact cataccagct ttccatctca 240
acaatagaac aaaattttcc tcccgatatc ccaattcctt caactgtaac aggatattctg 300
tgaagatata aagggaagg ggaaaaaagc atgtttctta tcactaagga tcaacctaaa 360
gatgttgcta aacctataca gagggagacc ttctaagttg atgacaatct ggaaattaaa 420
tagctgtgct gtataaaaaa ctaagtagaa ccaacattat actcctctat gantggacta 480
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<210> 7998
<211> 518
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

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<400> 7998
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ggactcacac aggaaggaaa accttggttg caaatacctt taattgcagc gacttgagag 120
gttagaagga tttctgagaa ttcaactctt gtctctagta taataataa taataataaa 180
taataacgga actgagtatg gtgactcacg ctgcaatata agtacttgga agtcaaggcc 240
agcttcagct tcataacatt gtgagtccaa attgggttac atgagactgc taaaaacaaa 300
cgctaaaaat gaaaaaaatt aaataaccac agatgagaaa agagaaaacc cactcccaa 360
acagggtccc tcttctccat ctgacctgcc cacacatgcg tangcgcaaa gctgtggctt 420
tatnagatgc ctcctatttg tttaaattag ccattcaaaa ataagtggat ggagagtaca 480
ccaccaaag gctcaagccc tccttttgaa ctggattt 518

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<210> 7999
<211> 431
<212> DNA

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<213> Mus musculus

<220>

<221> misc_feature

<222> (211)..(211)

<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> (385)..(385)

<223> n is a, c, g, or t

<400> 7999

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aaatatgcat cccttaacaa cgctttgtgt tagcatgctg caaatcaaaa tggcgcttaa 120

tattaaaacc tgggtgtaggg aattttaatg aaaatcctgt tcataaatgt aatgcatatg 180

atgtgtactt ttaagttcta gtccccaaat ntagtttata ttcagctggt cagcataact 240

aatgtgtaat tttccttcac gctatatgtt ggctttgtgt ttttaagtaat attctccttt 300

ctgtttttgc accagataag aatctgttac ttgaaaacaa atttttttat ctttnttaac 360

ttcagaatac taaatttgga aaatntacta aacttgtgtg ttatgtggct gtaaataatg 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

<400> 8000
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 ggacgctcag agaagtgtgg tatatgatcc ttgctccaag agactgaggc aggagcatta 180
 gactttaaga catccccagc cacttaatga gttgaagatc agttgaagat cagcctgggc 240
 taccagagac ggcgggtttct ccaaaaagaa aaacagaatc atgagccgag gaagcccaca 300
 tgtaggacag nttcatcaag agaagactga ccaccagat caggncgtan acatgtattc 360
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 tgtttcattg 430

<210> 8001
 <211> 502
 <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> (314)..(314)
 <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> (331)..(331)
 <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> (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> (458)..(458)

<223> n is a, c, g, or t

<400> 8001

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tatatgagga gacagcaacc tacagacagc ggattataaa atacagttgg gactgcacgt 120

gtaaattgct atcagagaaa agaggaagcc cgagccaagg acaaccgcat cttagatggt 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

<400> 8002

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catnttaaga gctgtgtccg actcttacct tgtactaggc accgcgttga ccgctgatgt 120

ttgcaaattc tggagcccag tctcctaggt cggaagtaac tccgtttctcc caaagacgct	180
gtcagagaat aaagaattaa atccatgagt atatttcaat atttaagacc atgcctggca	240
tatctgtgcc tcaatacagg gggcctaata aatgtcaaat aaacaacagc aaaaaaatat	300
ctccaattta naagatagaa acctaaagcc aacagccgtg cttttttcga gttttcaaag	360
aagggaatgc ttgctgggtt gcagggtcct	390

<210> 8003
 <211> 527
 <212> DNA
 <213> Mus musculus

<400> 8003	
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gagccctccg ctgcaacgtg ggggggcgcg ctactgtcg gagggtggtc accccggtgg	120
gcgcaaacat tgccccaggt gctctgcagc tggctgcaaa ggctcgtgaa attctatcct	180
ttcaagttcc cagtgtgtcg gagagcaacc ctgagaggcc ggctggcagc cctgccccac	240
ctgtggaaac taatgatacc agctcagcat attggcagag gaaggaaact tgcactgcaa	300
acagacctac cgaaacactg gaagtatgtc tgaacagaag cacattgatt caagtcgctc	360
aaagatcaaa ttactctccc agcccaggtg attttgtcct agaagccagg atacttgtat	420
cgacaagaat attgatgaaa aaccactcgc tgcattctcg cgaccatat taaggctgtt	480
aatctcggaa gtgtcccata atttttatcc gacatgcaga ctcttca	527

<210> 8004
 <211> 519
 <212> DNA
 <213> Mus musculus

<400> 8004	
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atccactgca acgctctcaa tcccagctgt cacaattatc actaataaca cagtgttggt	120
acacagactt gttgtgacac agccactgag aggggtgtgac acaaccagct tctggacaca	180
gtacagtggg atcttgcttc atctcctcac catctgctga gccctgggag cttctcatat	240
ccaatgctgg acagctactc ttggaacct agcagtggaa atggtcctc tgctctcact	300
gtgtgaagac agactaggaa gaagaaataa ctccaggtct ttaagactga aagaaaaagt	360
agccccactt atttagaagg aatggtaccc ttggcatggt ctgtggtata aaaggaaccg	420

agaaagcctc acaggaagga caatgaatgg gatatttttg gctaagtgga atgtgataaa 480
aagcgtgaca cattttcagg atggcccaac ccaggtggt 519

<210> 8005
<211> 348
<212> DNA
<213> Mus musculus

<400> 8005
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tccctaggca catttttttt ttgtgatctg gttaagtaag aacttcactt gcaggtgaat 120
gtgttgccctg tgtgtgccag accccagggc tttagacag gttttatggg ctacacaattc 180
tgctgaggaa ggccccatcc tggctttgat actcaaccac gacaatccgg acttcttact 240
acactggaag aagtctctgc attattgatc actggactct gaaaaacggt gttctacctg 300
ctataagaca gcacaatgaa gatgtgatgc tacaaacaca cttagtgt 348

<210> 8006
<211> 449
<212> DNA
<213> Mus musculus

<400> 8006
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aacaataaca aaatcactag ttaccagct ttgcagctgg gattcctcag tgacctcggt 120
tacttggact gtcagaacaa ccggattcga gaggtgatgg attatacctt catcgggac 180
ttcagactca tctaccttga cctcagctcc aacaacctaa cttccatctc ccctttcagc 240
ttctcagtgc tcaccaacct ggtgctggctg aacatttcac acaaccctca cctgttgtat 300
cttgacaaat acgtctttgc caacaccacg tctttgaggt acctggacct cagaaacacc 360
ggattgcaca tcatcgacca taatggcttc caccacctgg tgggtgctcca gactctgtac 420
ctaagtggga acccctggat atgcaactg 449

<210> 8007
<211> 565
<212> DNA
<213> Mus musculus

<400> 8007
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gagtgaagttg gtggtcctga taccacagcc aagggtctgt ttgatatttg tggtccttgt 120

tgccactaaa	gtggatacag	atgttctgcc	acctgaagtc	atgttaatat	ccatggatgc	180
tccagagcca	gctctactgc	ccctcactgg	agagttatgt	gtgtgtatgt	gtcccctgga	240
gctagccctg	actccactgg	agagttggct	ccaccccttg	ctagccaaca	cttgtcaggg	300
cacaggagag	ttggcctcat	gcctcttggc	tcataccatg	atgatgatac	atatatcaca	360
cacagccccc	actcagaagg	tctggcccca	cctcaactga	cccacagaac	acagaggcaa	420
gcagtggctt	aggtgtggaa	tatctagtcc	tgcacctcgc	tggcagccat	agggttctat	480
cagttgaaga	cttctgggtg	ggacaaaagc	aaagaaagac	ttttgggtgg	tgggagagtg	540
gggcggtctg	accactaaga	atttg				565

<210> 8008
 <211> 396
 <212> DNA
 <213> Mus musculus

<400> 8008	
agaaatgatc	cgacgtggct acaggaaagt gaggggtactg ttcctttaaa ccccttgaag 60
ccaaatttat	tccccacga ggtcagagtc actggcccct gtttaaataa aggagtgaat 120
attaaagacc	tttatactag gaaaatagtt tgggtcttaa aaagtaagct gacctgaaat 180
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gcgtgaccag	caagctgtgt taggtcacga atactcgaga agcaggcatt gcgcgtgcag 300
ttcggaaacc	gtgcgataat caatgtaaga acagtgtctg atccggctcc agtgaggggt 360
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<210> 8009
 <211> 564
 <212> DNA
 <213> Mus musculus

<400> 8009	
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gttgttatta	tcagctgtgt gaccaagaga attgttctat gaatctgatg tttcgtgcct 120
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aatgatgtat	tccatacagg actaaggaat gattgccacc acaattagtg taataatggg 240
gggtggtggt	atggtgatga tgggtggtgg ggtgatgatg atgatgaaga tgatggtgct 300
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 tgggtgcataa gttaaaatct 540
 gtaaacaact tcctttctgt gtat 564

<210> 8010
 <211> 358
 <212> DNA
 <213> Mus musculus

<400> 8010
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 ctacagcagt ggcttggagt gaaagttctg gggccacatc ttaggagAAC tggcaaccaa 120
 agaagggggtt 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

<210> 8011
 <211> 481
 <212> DNA
 <213> Mus musculus

<400> 8011
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 aataatagat tttagactta gtgggacaag acctaaagtt aataaactat agatacccat 120
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 tatttgtaat acatttttct tttttctttt tttcccatcc ttgcttcctg acttggcggt 240
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<210> 8012
 <211> 534
 <212> DNA
 <213> Mus musculus

<400> 8012

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acttttagatg aaggggtggtg tgtgtgtgtg tgtgtgtgtg tgtagagag ttgtgtcagc	120
atcaagcaaa aacagattcc ttttacttgg ttctttaaat cgtatagcaa atatcaacat	180
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tgttataata aaagtactgt gtcactgtat gaaagggact tgagcaccaa aggtcttggt	300
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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

<210> 8013

<211> 504

<212> DNA

<213> Mus musculus

<400> 8013

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ctgtgtgtgt gtacgatttc agatcaccat ttgttctttg tggcatctgt ctgccaccg	120
catactctgc cccctcctct gggaacacag aaactgaagg tgcagaccg tgagcttagc	180
catgtctttt caaataacctg tgtggcatat ggcttctcga aagggtgtc aagaactccc	240
caaccgcta ggggtgttctt caccctcctt taagatgaaa cagaaaatgc agagaccag	300
aaagtgacct caaaaattca aaagtcactg ggaaagaact ggctctggag acgcccata	360
aggtcagaat gaaaaggggt ccaggagaga ggaaatctta gccctgaaat atcccttctc	420
caatgttgca aacacaatca caccacact gaaatggagt gtttatttaa tgtctaattg	480
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<210> 8014

<211> 364

<212> DNA

<213> Mus musculus

<400> 8014

agccctgtct cagtgcact catattgttc cccagagaga accttctgcg ccacctagag	60
gacactttac tgggtttttt gagaagaaac gttgggatac tgagaactga ggaagaagg	120
ctgttgagaa aggcgggcca ctgtccagaa gtcaaagggt atggatggca acaaccacta	180

tgcctaccta agacgttcat cccgtccttg aactccaggc ctttcttgat aacgatctta 240
 gtttcttcag gggcctcggt catggtttca ttcaacatgg agatgaccgc cttggtggta 300
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 agca 364

<210> 8015
 <211> 551
 <212> DNA
 <213> Mus musculus

<400> 8015
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 <211> 471
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 aatgtgaaac attttcaaatt ttaaaatgac tatatcatca ttttagagta aaaagctatt 420
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<210> 8019
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 <212> DNA
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 <212> DNA
 <213> Mus musculus

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<210> 8021
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 <212> DNA
 <213> Mus musculus

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acactgcaag aagcttaaat tccagactta ctcaaaagat gaggagtgtt ggatgtaaga	180
tatgaatacc aaagattctg gaacagtcca aggccttgct gacattttct tggtaaagga	240

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<210> 8022
<211> 556
<212> DNA
<213> Mus musculus

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<212> DNA
<213> Mus musculus

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 gggattgggtt tccatatgct atttatgact ttagctatac taaccacacc cccgtaccca 420
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<210> 8025
 <211> 348
 <212> DNA
 <213> Mus musculus

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 <212> DNA
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 <212> DNA
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<210> 8029

<211> 480
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 <212> DNA
 <213> Mus musculus

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<210> 8033
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<213> Mus musculus

<400> 8034

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 <212> DNA
 <213> Mus musculus

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 tgagctgctg cctcgatgtg gggaaataga gtctgtgggg aaagtggtag aggaagatgg 180
 ccgtatgctg ctcatagcag tgctggaggg catcgggggc caggcctccc gtagcctcat 240
 ggactgtttt nccgacatcc tnttcncct gaacnaacac tntttcanc cccntganca 300
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 ggaggtgaat ggcagcagcc tgaggggtgt cagctacatg agggcagtgg atttgatccg 180


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acatggaggc aagaagatgc gatttttagt tgccaagtct gacatggaaa cggccaagaa   240
aatccgcttc cncaatcccc ctctctaata gaccnanagg acccttntcc ccaccacctg   300
tttcctgtat cctctncagg tncacacnac agccaccacg gcactcaccc tncacctcac   360
accccagtc anccaatcct ggtttttaaa gttgactgag tgagtccta 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
 ntcccagcaa caaggacaca atcccntntg atggacagga agacagcagn ccttttgact 360
 gtgantgcag cgactgtttt tgaatntcag ctnttgtgaa tacanntntg tggactgacg 420
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 gtcaggaaca gagtcaatth caggggctct ctaaatacat acagattctg cgataatgth 180
 tggactthttg tattgaatga tgttgaattc agagaggtga cagaacttat taaagtggat 240
 aaagtgaaaa ttgtagcctg tgatggtaaa aatactggct cgaatactac ggaatgagta 300
 gagaaatgca gctthththta tncaccttn tngttattht nntcgcttht tgaagagaaa 360
 catggaagag antthththt atthattctc acggtgcaga aatgacaaca ctgtgctata 420
 thtactaccc aggntccgc agagagaagc atgcgantct gthntngtaa tgacctthg 480
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 gacgctgggg tggataaaga gggcagcccg ggctcaggca gcagcccctt ccagctcatg 180
 gcctcctcag aggaagacat cattgacttg aaatagantc tatnccctat tgnccatcct 240
 tagttttctt acncaaattt ntactgttca agcagctcca acntccantc tcaacacagc 300
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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
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<210> 8046
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gaaaaatatt tttcaactat gatttatatt gtcattgagc tttaggagtt tcagtcataa 180
ggaggctttg tctccacagt agctcttgta gatcacagct tagagaatgt gtctaaagac 240
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cgtgctgtag ccagtgccct ccgactgaat ttattaacta gatattttatt tagcattcaa 360
agtcatttgt gaatttggtt tgtatttata aaattttatac ttggaagaat gttctttaat 420
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taaaaatgcc accctctcta acag 504

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ttcctctaac cctcagcata tctgccaggg ctcttttccc tggatagcag cagcttcttt	180
ctcagcagta actgaggggtg catggaaatc gggctctggg gaggagcgac accagagggga	240
ctgatcctgg taggagcact tggttagctg ctgaccatgg gtgccaaactt gttattatgc	300
cccctttgta agctgctgag ctgggcttca gtttttccca ggccatncac acnnttataa	360
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attaaaccgg ccttggtggt acgtgtctgt aatccttgta tttgtgtaga ggcaggaggt	180
gcagaagtgt aaggacatgc ttggctatat gagcccctgt ttcaaggaac caaaacttag	240
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<212> DNA

<213> Mus musculus

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aaggacaaga aggggatctt actcaggaaa ccctgtttgt ctatacccag atgttctgtc	180
atgttctgca tatcatggcc atgctccctc aggaggtctg tgaaccctc tacgtgctgg	240
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aattttaaat ctgatcagct caccttaagg acancagtcc aattganaaa tgcaattagt      180
caattcgcag ataagattta aggccttcaa aaagtaaggg cttgctttgt ttcttcaatt      240
gacttttgtc aaccattgag gttaatatcc acatgaattt tttatttgta tganttgga      300
agtttaagaa attattccaa ctncnnnncc atngnccatn ttttaaaggg tnatatattt      360
tgttttgata taagctatgt acttggacna aatacattgg catctaaaat ttgagggtgtg      420
ttatgactgc tttttgtttt aaaaatgtgg ttacattcag atttttgaag tgttttatgc      480
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 aggcccagtg accaatgcag ccatcattct ggccccaccc agcatgctga accctgaatt 180
 caggcccagc ctgcccctgc cccacttcaa caagcacctg ctgggggctg agcatggaga 240
 tgaagcccag ggtggggggc tgcgcctgca gctagggctc cacctgcagg gcaaagnagc 300
 cntagctacc tggagncntc tggagcagct gcaggcagtg ttgtccagct acctggagaa 360
 gaacatgcta ggcanccaga tgctnccagc acgtgtgttt gatctnggag gatgagggtgc 420
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ggccacggc gagcgaagag tcatagccga agggtcagca caacgttcgg ctccagactc 180

cggccaggct aatctgacga gctaattggca acaaacgtgg gacctcagaa cacacaactg 240

gagtcagcac ctcatgctgg tttgtaggcc cctgttgccc cattccatcc tggggcactg 300

gaggccaagg cacaagctca gggaggaggc aggaacgctt tgaaaaagnc aaacnnggat 360

ccactgaacc tnatctttat cctnggggtgg aggtcactgc ttttacggtg cactggctgg 420

ggctctctct tcccaacgag ctctggctcc atcaggactg cagattntnt tctgagcaca 480

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<212> DNA

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 gataaattta agttcaaagg cactaatgta aaaaccaaag tacccatgct cctggagatt 180
 ctgcacagct acgaccagaa cacactgatt tctttcttcg atgcagcatg aaagataaac 240
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 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 aattagtgtg tgntcaaaga ctacaaatta 480
 acattttacc caaagttggt tttgtagaac atg 513

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tgaacactga cgggtgagatt ggtaatgggc tgcaattttc cagctacgta catatacccg    180
acanngcttt tgtcaatctt gatcccaagc agcactttta ccccttatac tatagaagag    240
agactgttaa tgacatggac gccattagcc tgacaactga tgatttgta agacttccag    300
cggatggatg cttttccttc ctttgtgttc cacctgatca ccgaccaaac aaganataca    360
gtggaagaca ggattcatca gacattaaga atagtccaag tttttatgta gacgctactt    420
ccaagagcaa g                                                              431

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<223> n is a, c, g, or t

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 cttccnattc tcaaatacatg aanagggtcac 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 aantntntctg ggtagaggct ggaagacagt gatgtaaagc ggtttataaa 480
 cttaaaantc ttgttntngg gcttccggcc tacaattcag tttagttcaa cttatgaccc 540
 aggcgact 548

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 gactccaaca ttccacttag cttgactagc ctaattttaa catgcttggt ggaggtcacc 180
 aatattactt gtatgatgct gtcacatgt gacatccata aagattttgg tgtataccac 240
 attgcattca accagctgtg attatgctta gaaatactat agtaactaga tgcagtgtga 300
 accttttcca ttaacagtaa gtcagtggct tcaatgtgat tatggctctg ca 352

<210> 8058
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 <212> DNA
 <213> Mus musculus

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 cccaccctgt ggagcccaag aactcagaga agatgtcaga gaacgggtgtg tcctcccgga 120
 tcgacatcct tcgtttgctc ctccaacagc tagagggtggc cgtggagacg gggaagcggt 180
 ttattgagaa ggaaattcag tacccttcc ttgggcctgt tcccaccagg atgggcaggt 240
 tcttcagttc tggtgctgt cagtgccaaag tccagtcctt ccatctgggc agcgacatgt 300
 atgagcttga caccagtggc tta 323

<210> 8059
 <211> 453
 <212> DNA
 <213> Mus musculus

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 cgctgcagcc tccagtgtgt ggtacgcttc tctcgtgggg aagggccgtg tccaggcatg 120

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tg gatggctt gaagactact gatgctttcc tctgaattgt tctttgcact gaaggaggac 180
ttggactgac ctccgactta catagtttgt taagagctgt ctttagcatt ctgctggaag 240
aattttggga gcaacagact gggacagagc ctgccagctg tgggtggtgat ctttggcagt 300
gctaaggcaa aggagcgggtg aagccactgg ggacagacaa ggtggagacc cagcagcagt 360
aaatacctag caattccaag gacttggttt catcagttac caggaagtgg gggaaccatg 420
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<210> 8060
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<210> 8061
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<223> n is a, c, g, or t

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caagaccaca gagagactng gctgnttngt tcctttccac ctctgctgtt ttttaagagta 180

gggcctgttc ttttgagta gtatctgaga atgtcatggg ttccctcctg aatgcagggg 240

ataagaaaac atgccataca ttttatatta accagtatag taaaaaaaaat aaaataaata 300

aataaagctc acacacaaaa actaagttgc ctttccttga atgaatccnn ccntgaaaaa 360

tgaagaaaa ataaaanata aanctaattg tatatantct taatttgtaa tgaatgagaa 420

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 <212> DNA
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 tnngcttgca gttgtccatc tgtaggcttg tcagacaaag tacaagatgc ccagttagag 180
 ttgaatttca ggcacttttc tagctcaagt atatttcata ttgacatat ctgtgcaatt 240
 tttaaaacgt tcattaactt atctgaaatt cagattttga ctgaatatcc tagatttttg 300
 ttttctatgt agttttttta acctgatagt cctagcaatt gatcacaaaa ggaggctcac 360
 agcatgtaaa ttctctggtc tttatagcgt tcacctggaa tggacgaccc tttttttttt 420
 ncntttncct tctacttatt tctaaaagag ggcatacaagg aacttaacca gcctacatgg 480
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<210> 8063
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 <212> DNA
 <213> Mus musculus

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 aggtattttgc agaaagtgtt tgctgtgtca aggggccttt cctgacagtg ctgtcagaaa 180

tgggtcaaccc tgacaagatg aaaagggtcac tttgtccttg ctgtgggttaa aagaacatgc 240
 cctgactact ttcaaagtgt atttcaagggt gaatatatta tacctgtctt actttgcttc 300
 tctcttgatt taccacagtt tgtccagtta tgttttcatg aattatcagg agtaaatttg 360
 aacaaaaaca tgtgaataat ctctgtataa tgtgttttat aacaagagtg tgctaaacta 420
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 <212> DNA
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 ttcgggcacc 130

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 <212> DNA
 <213> Mus musculus

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 aattacagtc tagtgtatcc aaaactatit cc 152

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 gtgctgaagt atccttttaa 140

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 <213> Mus musculus

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 agattttaac agtcttaaatt tgtgtatctc ctttattgta atgtattgaa aatttttagag 180
 aaaccttagt taacatttta ttaagtgcc aatgcagaat ataacagatt atagtttctt 240
 atgggtgaca ggctgcagt tcttattttg gaatgtttga tgaaggaaaa cctctcctac 300
 tggtcacttg tatatgtaag tcaagctgtg aaaataaggt ggattacaga cgatgtggaa 360
 gaatgtttta gcctgtagac tcagtcattt tctgtcagtt acttaacctt ctcattcaga 420
 tgtgaattag acacagacca tcataaagtc aaagtcttgg gttaggtatt aggtgccagg 480
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 gagccgccat tgccgtcatt cgtcacctag accatgagtg tgccactttc attggaccct 180
 gactgtacac agaatggaag gcagtgcgat acttanctgc taacaagacn ggctctttna 240
 ccagtatgaa ngacaattng ggggaggggt gagnaacttt tcttttttct ttaatctctt 300
 cagttggaaa tctatcatgg aaggaagagt tatgttttat cttgaaggaa ccattagata 360
 cggaaatggt gatgaaccag aatttcttgg tcatttttcc aaaattgttt tttatttggt 420
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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 nggggggtatt tnatttttna anttgctaga cttactttgt aaantcattg 360

naaggTTTT ctanttctag tttaaaagat ncatatctca aatgtntnag agaaaatcca 420

ttgaaaacnn aaatctttta ttgataaaag cacatgtgtt ccaactgaat ttattttgga 480

taacctctaa ttaattgtat ttgtgtttat atctattact gtttaagtag atatctcatg 540

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<210> 8070
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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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 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
 gtgttttnc cctcgacntc ttatntctta agtggagcta tgaaatgtca ccctgatact 480
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 <222> (361)..(361)
 <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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 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 tattttctaaa ttatgaccaa aagatatttt 480
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 ttgtgaacaa 550

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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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 gggcnggtgg ccctgctgtt cggctgcagc agtgcagccc ttgccgtgca tggaaacctg 180
 gagggagctg gtatcgtgct caagtacatc atggctggct gccccttggt tctaggtaat 240
 ctctgggatg tgactgaccg tgacattgac cgttacacag aggctttgct gcagggctgg 300
 ctgggagcag gccaggggc tccctttctn tactatgcca nnccaagccc gccaggcccc 360
 tcgactcaag tacctcattg gtgctgcacc tgtancctac ggcctaccta tctctctgca 420
 gacaccctga agctntcttg tctatggtag aagctgtgtg actacctcca aacttggttt 480
 tgattattta gaatttttaa agtgattttc cctgggtgtt tg 522

<210> 8073
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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

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aatgttttga cttacagatc attttatatt ctttttctac ctgactttca accattgaaa 300
atgtgtagtt ctttcaaag gagtgaagat ttatttaagt taatcctaag ggtacacgtc 360
gtgttttagaa atgtgagaag gcgtagatga gcagatcagt tttgtttaaa gagcaaacta 420
acaacctagt tttcagaact tgtgcactcc tgttcctctc tgcattcattg tttgtctgaa 480
tgggatgtaa aaggacagc acacacagta gccttccgta cgtgtgaatt atgttatgct 540
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<210> 8074
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gccacaatgt gatatcatgt gacagggcta ttcagttggg gtacggttgg nccattcaca 180
gagcctgggg atccaacctc gctgatcact aggaagagat aaactaaggc ataaagcaac 240
tccttggggg ttgggtggga tgggagttca gtctcctgaa acctc 285

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<210> 8075
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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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 tcaagcggaa ccagctgctc cccgcagtaa aggcgcactc tgatgtgagg aagaagacag 180

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tgttccagcc cgtgcacccc atccagccca tccaaatgcc agcggttcacc accgtgcaga    240
ggaagtgaga gcttgcctcg ggaggccagg ggannnnatn ntngnnnngg aagnacggna    300
agtagtngct ggagaggaga ntnggagaga aacactgggc cnttcctgt gatgcacttc    360
tgccagcaag gccacgcctc ccantccctg aagtgtcact ccctgaagat gaagcattca    420
aatatgagtc gatgagagcc attctt                                         446

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<210> 8076
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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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 ctagtgtgag aaactgcggg ctggatcagt agttcagnca gctacacagg cataaaaaca 180

gtcattgtnc atgttnnaaa cctttcantg atnnaacca 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

<400> 8077
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agtaaaaggc acaaaggcta cagcaggatt caaagatcta acaaatgcca atcccacttt 180
aactatgttt ctgcatttga atgtacacag cacttttcct atatagttct atacaaagaa 240
aacagaacta ggtataactg tgtttagtaga ttgaagaaat cattatttat gtctgtcttt 300
gtttcttggt atcctacaaa gttgatgtgt aaacatcaag ttgatttcat tgggtgcatga 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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<223> n is a, c, g, or t

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cagagggcac tcttgcgacc ttctgagcct tctcctctc tacctggttg ggtggagcaa 120
aaggatagtc acttttctga ggtctcccg aaatgaatgt atttctcccc caaaagagct 180
gatatttaat gttttactag ggatttttga gaaacaaata accttattta taatctgggc 240
gatccaatca tttttttact cccttttgat gccataccta gnaggaaagg caagcttttt 300

ggcgtgagac ttttgcaacc cacaatggga

330

<210> 8079
 <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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 <223> n is a, c, g, or t

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 atttggggccg tggccttcat cagctggggc tgacacacct tgcaatccac tattaccaga 120
 aggctctggc actccctcca cttgtgggtcg agggatataga 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
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<210> 8080
 <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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gctgcttagg tattactgat gtgtccttac atgcattagg aaaaaactgc ccatttctgc 120

agtgtgttga catttcaact acgcaggtat ctgacaatgg tgtgggttgca cttgttagtg 180

gaccatgtgc caaacaatta gaggagatta acatgagata ctgtataaat ctaactgata 240

aggctgtaga agctgctctg actgcatgtc ctcggatatg tatacttctt ttccatggct 300

gccccctgat aacagatcgt tcacaagaan tcttgagca attaatagga tcaagaaaac 360

taaagcaagt gacttgggtct gtttattgat cttnaccgag gctgatctca aaaccttgca 420

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<210> 8081

<211> 372

<212> DNA

<213> Mus musculus

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<222> (30)..(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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 <223> n is a, c, g, or t

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 aaaaggggaag caagagagac acacaccccg accctcacct gctgtgagct gctgcctgat 120
 atagaatgga tcagggtccag ggtaaggagg tgactcttct tgcaggggtcc cagatctgtc 180
 agctcactgc agtggcatgt gaaagggggg cagtgcntnt nntnnnantn nnnnnntnnn 240
 natancatcc aactancca ccagatgtgn cctnntnana naggtntntc cttaanchnaa 300
 atgtnccccg aagtgattcc aancctnatc gagtntgggg aaagtggatt ctgatgggtga 360
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<210> 8082
 <211> 250
 <212> DNA

<213> Mus musculus

<400> 8082

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gataactttg ccatcaccaa ggaagatttg gaaaatggag aagatgtggc cacgtgtcct      180
agctgctcac tcattataaa agtgatttat gacaaagatc agttcatgtg tggagaaaca      240
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<210> 8083

<211> 542

<212> DNA

<213> Mus musculus

<400> 8083

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gggttgtgat tggagacgcc aagtccaaca gcctcatctc catcaagagg ctgaccctgc      180
agcagaaaagc 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
cagtcacat ccagttactg tcccactttg gaccttagtt caaggtctgg gtcttgtatt      480
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tg                                     542

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<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
agtcattggag cctactcaat gtgcagctct gtcaacagcc ctaagccgcc tcacccgaga    240
ggtaccttcc agaggggagg cagatgtcct cattgtcacc tgtgcctttc ctggctcact    300
catatcnggc tgtgtttcca ggagtgcccg gcaaccaaga accagcctcc agaagccaag    360
accaaacctg agcctccttc agcttcccct tcgcttccag ggaaagatca cgggaaggcc    420
atgggcagaa catcagtggc tcctt                                           445

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<212> DNA
<213> Mus musculus

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<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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actcatggaa atagtattgg tttggtctgc atgtctaacg atgtgtgtgt attggtagct 120
atgtcacttt tgcaagtaca caggcaagcc aaattttagg tgacaaaagt ccataaataa 180
tggaattttt 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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<210> 8086
<211> 414
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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
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<210> 8087
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 <223> n is a, c, g, or t

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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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 aaaaangata atccatacat cacagtgcaa ccaagagaca gtttgattct ttccacataa 120
 gatttacagg tgtgaactaa tttttttgta gttcctgtct gttcatttac catttatata 180
 acttatagtt tgtggcaa at taccacagaa ctagtctct cttgccaagg ttaccagttg 240
 ngtttagagac cccttgggag gtanctgggg atggcagagn gntaggaggg nctnccttga 300
 agcagagaac agacatgacc tgggttcagg gaggtcagc agcggccttag gacatgagct 360
 ctgtttct 368

<210> 8088
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 <212> DNA
 <213> Mus musculus

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 ttgtatcaag gggcaggaaa ggagagtcca aggtcaaggc cagccgaggc tgcatagtga 180
 gttgaggctc ttcagcaaaa gaaaagcaaa ctaataggag tcgttgaagg tagccaccgg 240
 ccatttctct aaatatcatt ctgctgaaaa gggggccttag tttagtttag aatgcattaa 300
 tgtatgtaga anctgggcta tttcagatta tttgaaattg tagctattgt taattancac 360
 ttaataacta actagcatta tgggtantcta aactattaga gtttactaca aagaggtttt 420
 gattgaatta tattaaacat ataatatgga ttttaaaaat ttaagatgtt taagaaagct 480
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<210> 8089
 <211> 83
 <212> DNA
 <213> Mus musculus

<400> 8089
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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 aggagggggc cactagtggc cagtgccaaag 240
 gcaagctcag gtctaggcca actccgagga tanctggctt actggcccag gtccgctctg 300
 aacacgtgga ccaaagggat ccaggcagct gtgtacatta agatgggtgg ggagcattct 360
 gtacaggacc ggtgattgta aaaatttctt ttataaagga ggagctggag ggtgggggtgg 420
 gcgctggttg caaagtcttg gccctctt 449

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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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 ctgaacctga aattcttaaa agattttttt tagttgcaca gaagaaaagc ccctaatacac 120
 cttctctaga agtctatagt ggctggccat tgtgcttctt tgaacacaca gaacagtgac 180
 taggagggcc cattggagtg ccaggcagag tgagccactc agcgagtggg aggtccnenn 240
 ctgagtatct catctgagca ggantgagat ccntgaggga cacaancccc ngatgacagt 300
 gtaattcagg tcactt 316

<210> 8092
 <211> 438
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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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 aggtcccggg ggcaagggtc tcaggactcg ggattgagaa acagaaaagg aatgtgcgta 120

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caaataggca gtcacccgaa aagacttttc ctggatccgt ttgcctcagc tatttggtggg 180
aggcttggtg aaggaagggt aaggaacaaa gggagagaca cccaaggacg aatgtgagtc 240
tgttaccaca gacgcctcga catgntctcc tggggtggtt tctaaggtag cttcctgttt 300
aatactacat aacctcggaaggacatcaa gggactcata gntcttcagt ctggagagtt 360
aaacatgtac acttgaaccg gtagaatccc ttntcattgg tantcctcat ttntcatttg 420
cggtttttac tgtgctga 438

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<210> 8093
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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ccaaaaataa caaatttaag tgtatacttt agcagggtgtg tactaattac cagtaacttc 120
aacacaagca aagcagggtta catggtaatg ttcatcagc atatttcttg tttgtgaaat 180

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tgaaacctct atagggcatca tatgcttctt gtctttaaca aagtctttgt cttctaagag 240
caacccccgca gtaaacaaca gagggggtgc tggacttgag ggtgacgaga cagatgatca 300
tagcagggat ttgaaatatg aattatgggtt acatgntcct gatttttttt ttttnnggtg 360
acatgaatgg aacagaagta ttttgtttta gaagntcctg gccagcggtt ggttcttcct 420
cctgtatcct gtgaggcctg gagcttttca aacactagag gggnccttag agtaagtgga 480
aaggacttct aaaatgtgtg tgtgctttnc cttccagaaa nccatctttg ggctactgta 540
atatga 546

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<210> 8094
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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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<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> (410)..(410)
 <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
 aatggccttg gaagacttga acatctttcg ggcgctgtgt annaanggac agtttaagga 240
 caacatgttt catggactgg ggacttacac attcccaact ggggcaaagt aacttgga 300
 tttcaatgaa aatagggtag aaggtagagg agnatacact gancaccaa ggctgcagt 360
 ggtgtggtaa nttccanttc acagctgccc ccggcctgaa actaaagntn tacatgtaga 420
 cctgctgcct taacgctgag atgtgg 446

<210> 8095
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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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<400> 8095

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tttataagcg tggccgccac cggagccaca tctttcgctt tgtatgcggt gaaaaaaacc    120
gangtggtta ttgatcgga aagaaaccca gagccttggg aaatggtgga tcctactcaa    180
cccaaaaagc ttataacat caaccagcaa tggaagcccg ttgaggagct gcaaaaagtc    240
cggaggncaa ccagatgatt gctcaccant cntntnttcc aaagaacant ntatnaatnt    300
annnggaaac atttntgcac aaantagatg ttgatgccag tgtgcggaaa tgcttntgct    360
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<210> 8096
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<223> n is a, c, g, or t

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<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> 8096
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taccagatgc caaaggctaa actagacata gattttctcag attcatttct atgttaatgt    180
ttattccagt ctgtatcctc ataaaggttt gtagttttgt agagccacat gctttgggta    240
tctgtcacia tcacctcttg tcccctcagt attttgactg aacatcataa tgctgatagg    300

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aatcaagttt aactacgaaa gtgtcaaaca gcttgtggct tcttaattta atggaccttn 360
 acttagaaat gtattgganc cttctaggac cacttgttga gtgaaaantc ttgtgtgcag 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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 tttgaatgtt gagctcagtt gtctgctttc agggctgctg tcctctgcca gggagaatct 180
 tcatccatgg cctttaagtt cagagcctga gagtctggga gttgttggtg ctaggaaacc 240
 tcaagcaacc aaacacgtgg tcccacactg ccctggcaca nctggtgttg gccaggntc 300
 agtgtggctg tgactggacc tgagagctgc aggcagccag tgggctgtaa cggctctcag 360
 cagataggag gtnnngggaa atgagttcaa gncctctggt gctctctgtc ctgattttca 420
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 taatactgta gttatacacc atatgcctca ttttatcata gcttattgtg tatgaaatat 180
 gtttgtaaaa tgaattgatg tttagtttgc tttngccatt tgaaaagatg ccacaccagg 240
 aggtaaccaa taanagcnca gctccacatt ntnttcctg gagaaccnt tcctggaaga 300
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<210> 8099
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 <223> n is a, c, g, or t

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 tgctcaggat aagcaaacag aaacagcccc tgcttgaatg gtttntcat tctaccagnc 180
 aactgtgtat ttacactgta ggtcacacaa atgctataaa gcagaagtcc ctgggtatga 240
 tgacatcaag caggctacct ggcccgcagg tcatgtgtgc aagagtagga gtatcaggga 300
 ntntctctctg tnntgaagtg acatntnanc tggaaagctc acanttaatg gganccaagg 360
 aacaagtatt tcaagaagag tggantcgac ttnaacnctn ctgatgtaac tggataagga 420
 caagtgaagg gagggatgga gaactccacc tnccatcatt gaatcgagtn cctactgttt 480
 nccagacact ttaccaaagg ctaccaagnt ccttgctctt agggaaactcg 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

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tgcacactgc tacacatata gcatctacac aaatgttgtg tgttttctga cattcactct 240
gtgactaaaa ttataacttgg aggaactttt aaacattttg ccctgatatt aaggaaaatc 300
ctgcaagggtg caactatgaa caagcagttg ggttctgtgc tgctttgggg attttacggg 360
tttgcccagt gctgtgttca cacttccgta aaggaagggt tacaggcact gatggacaca 420
gtgagcactg agtttactga gtagttgtgg aaagctctgg aaagccctaa aataaccatc 480
ttatacattc cagtct 496

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<210> 8101
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<212> DNA
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<223> n is a, c, g, or t

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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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ccccagcggn ttccaggaag cttaagtggg ttccgagaca gacataaact gatacatgca 180
actattttcc agcaagaaag ctaagaggac tttattcagc tgaccaacaa gtaagccctt 240

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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
 <211> 527
 <212> DNA
 <213> Mus musculus

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 <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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 <223> n is a, c, g, or t

<220>
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 <222> (430)..(430)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ctgcacat tttgtcatagt accaactagt ttgtacctgt agtttgaatt tctctgttaa 120
 gataaaacct tatcaccccc caccctcaac tcccttttta gaggacatct actaaaagaa 180
 agtccagtgt ggcattttct tgggtaatga ctgggttgtgt aattttctgcc cttcacactg 240
 tagaaaacac catggatgcc attaccttct gattccaggt taaaaacctg cagagagctg 300
 ccattttgta cagcttttct ccccatgtaa atgagctatg tgatggcatt taaaacccgc 360
 atgttctttt taaactgaat tttctatcta atcaantntc ttcantcctg aaggagaatc 420

tgcatgtttn tctgtataga gagttgctgt gcatggttac gagcnccttt tactaaatgc 480
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<210> 8103
 <211> 482
 <212> DNA
 <213> Mus musculus

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 <222> (373)..(373)
 <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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 cctctgtccc ctcgttgcat gctgttttca gtgagccctt tccttccagt catcaccact 180
 cactgctaac cacatggtac attccagcat ttccctctgg cggcgctctt cagaaagcca 240
 gtgaccgccc ctctctaca tccttgttct gccatctttc tcttaccatc tgattccctt 300
 tctgttttgt taatacattg aacacacgtg tagaaaggac agtgctatca gccacactcc 360
 aagctgcttt ccncattgc aacagagtac ttgcccctc 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

<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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 cagtggcccc aagccaccga gaaccagtct gagaagctcc agattcgctc aggcccttga 180
 tcatcagtcg tcgtcgtctt cgatttgcca gaggagttaa gatgaagaat gtcaaggatg 240
 ttctctcctg ccttcccatc tagccaagaa catttccaag aagataaaac tgtcactgag 300
 acaggtctgg atgcnccnt aggggcaa at agagaagncc tttaccacat tgctgctggc 360
 tataggaagt cccaggtact ancctgaaac agctgatatt tggggcntnt cacagacaat 420
 atgnccaccc cttggtcttt atgcatgaag attatgtaaa ggtttttatt aaaaaatata 480
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<210> 8105
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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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 acgaccgatg aggaagagga acacgcagca ctgtccaggc cggaggagtt gtcctatgaa 180
 gtcacacagca tacaggctac acaggaccag caacggaatg aggagttggc ccggatcatg 240
 ggtgagtttg agatcacaga gcagctggag cagaacacca gtaagggaga cgacttgctg 300
 gccatgatgg acaggtnata gatgcagatg ggcacncct anccctccct caagagactn 360
 ccttagacca ccttggacac ggatggctgg ggatntcatg tgcccctgct ggattccaac 420
 caaggcctgc accttnnag tccattttta agtcagaaaa aaactgtgac gacctctcgg 480
 agagcatcca tttctgaagc cacacacatt tctgtatttt 520

<210> 8106
 <211> 479
 <212> DNA
 <213> Mus musculus

<400> 8106
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cggaggatca ttcaaggcca gcccgagata catgagaatc tgtgtcaaaa aagcaaagtg 180
acaaacgtta ctctgtctaa caaaacatga tactctgaaa ggggtgtcttt atttgctgtt 240
tgcgagcttg gatatagata atttggccca cactggagta taccagcaac agtttaaaat 300
acatgtgcca tgctttgggt tcgtatttta aaagtttgta tggttttatg ttttggtttt 360
gattttaggt ttttggtttt ctgaatttac caggttctgt gttaaaaaat attttcatat 420
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<210> 8107
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<212> DNA
<213> Mus musculus

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<400> 8107
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tgtttggaag tgtttgcttt cactgataca gagagcagtc tttatgtttt gaagacttac 180
aggaangtcg ttaataggag tggactgtac tgaatgctgt tggatctttc aagggtttcca 240
ccatggcttt ctttttttct ccagaatact gtgattaaga taactgagca cttctcttta 300
cattgactgt 310

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<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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 aaaggcagta catggactca gcctatctgc ctcaaacctc acgattacat gatgtttctg 180
 acatggaccc ctcaacacac attttttcaa gaaattatcc aacagaatgg aaccacatgg 240
 aacacgacct tctcaagaac gtgcgagatc ttcgcaggag actcacagcc cgggctcgga 300
 acagctgtcg gcaccctcat cttttggtga cataaaagac agttnaccat taaacaatca 360
 gagatacctt ttttaataca tggcattgat tttttttcaa ctattttattc taatttttta 420
 taaagatcan ctttttgtat agagaaatat gtctataaaa ttatgttttc tattgaatta 480
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<210> 8109
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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> (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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 cttcctgggc cattggcctg tctgtaactg atattgcaga gagtattctg aagaatctca 180
 ggaagacgca tccagttacc accaaaatcc aagggtctcta cggaatcaaa gaggaggtgt 240
 tcctcagcgt gccttgtatc ctgggagaga gtggcatntc tgatatcata aaggtaaanc 300
 tgagccctac agaggaggcc cagatgntaa agagcgcaga gactatttgg aaaatccaga 360
 aagatattaa nttttaantc acccttntaa agataccgaa gacagaaaac gcagtgcacg 420
 gccaaagtgtg ggggtgaagcg ggggttccga aagctggagg nttntttgtt tagntntcct 480
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<210> 8110
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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> (341)..(341)
<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> (363)..(363)
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<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 catcttttga cactccaaag ccaccttcta gccccacca 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 ncctttntat cctncccttt gctgacntca 420
 ggattntgct tcctcagga gtagggagca c 451

<210> 8111
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 <222> (54)..(54)
 <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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 <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> (447)..(447)
 <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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ggacgtggcg tgcanaagcg ggaggggaata aaagccacct gggtagggaa gtcctctgac 120

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caacagccca tccttttgca gtgccctgtt ccagggtcat gtggccaccg ctgctgctgc 180
tgtttctgct gcttcctgct gcccatggcg cccccaccc ggctgcggac ctccaggaaa 240
actttccaag cgtactcgaa gaaatccaaa ctgaaggaga cagaggcatg tggagagaag 300
acaaccggtt cgntggctcc cgctntcttc ctggntcatg aggtggnttn tatgtggtcc 360
agaagctggg ggcgaggacc tgtagcntca tgaaggcctg ccaggcacag gatccggagn 420
tccacantcn tcccaaaatc cctgntntcn tccggggggc cttcagctgc tgaaggggct 480
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<210> 8112
<211> 508
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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
tggncatga tctagagatc cacagaagga agtggatacc taantcttgg gttggggaga 420

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atgctctggg atcactgggtg gcatcgctga acatgcagan cccagggcct gctcattctg 480
 ctagtgcatac ctgtgtatct catgacaa 508

<210> 8113
 <211> 467
 <212> DNA
 <213> Mus musculus

<400> 8113
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 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
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<210> 8114
 <211> 313
 <212> DNA
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<220>
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 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
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 <222> (95)..(95)
 <223> n is a, c, g, or t

<400> 8114
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 aggcttttca tgccccagca ttcaggcacc ggatgatgca cagctcctgc aaacagcagc 180
 ttgggtccgtc aagttatctt ggtacaagtg tccgagaaat actacagagt atctgcaaaa 240
 gactgcactg gtaactaact gttctgcatg cagttactgt cttctttcag ctttagttaa 300
 cctactccat ggg 313

<210> 8115
 <211> 527
 <212> DNA
 <213> Mus musculus

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 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 atttgggtaca aaattcttca aaatacttgt atccaactat aaatatattc 480
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 cagccnttgc tttantgatg gggacctgtg tgtatcggtg tgatcacagt gccccctgct 180
 ggcagactca catcagggga ctggaacggt tcatgtagta gaagcctagc cgnccctgcct 240
 ggctcactaa cccaccttnc cttgacaacc cctagaaacc ctncctgaga cctcttgggg 300
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 ttttatgaag caa 373

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 <223> n is a, c, g, or t

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gcttttaaagtg tgagccaagc cccagactat caatgtcaat cttgctgggc tattaatcac 180
atcctaagac cattaaaaaa aaagcttcct gncaagccac aacctcctta ccccatggta 240
gaaatctttt tcagacctca gtgggtattn atcatgcaga tgggccagat tnaggtgtac 300
gttcaatcta acaaatgacc tgggctttga aacctacca tcatctcaga tagaactgtg 360
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agcactcagc tggcttgtcc acatnctcac ctcagccacc tcatgatctg gtggaacctc 180
ctctttcttg tttctggctg gtgcagacac ccgtgtgtcc taatacccat ctgtacactg 240
cagtgtgtgg tgcattcctc ttaaacagct gcagccatgg cttgttgtat tgtagacgct 300
gtccccagtc tgggtgttct gtttgacatt tgtgaatgct tacgtccgtg taataccctt 360
gggtgctgtgt cagtgtttgt cacattggac tagacattct gctttgttgt gcacttgggtg 420
gcttccttcc tatgtgactc ctctgctcca tggacagtgg cactgatgct ccacgttgcc 480
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 aacccaagg caccttcagg catggctcaa ggacatacat cctgaaccag caatgcctat 120
 ggggcttcga attgtacctc ctctcatgga gaggcacatc ttcaggactc ggaaggtgaa 180
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<210> 8121
 <211> 378
 <212> DNA
 <213> Mus musculus

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 gcaacttggg ttttaagaaat caaacggatc ttgagaggca gcgcttcctc agagggagga 180
 aaagcgtcag aaaattgggg gtggggaggg aaagcatcgt agactcctac cgtttcttga 240
 gtttatgata agttgaaatt tcttgtgtta tggaaaagggt ccatcctcgt ggcttcgtta 300
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 gaagactttg ttctgatctg atgtgtttct agcctggttg agcctcagct atccaaagga 180
 agagctgtta agatgattgg aattttggtt ttcccgattc actctttttt ctctccagcc 240
 atctgcctta gacagcagga gaaaaggaaa cttagcctca gaggtggggg ctttcggaag 300
 gactgacagt gggctagntn tcctgctgct gggagcctga gtgccttngg ntccttntcc 360
 agacntcagc ttaccacgg aggttacctg cttaccatca anatcgaaac ttgcntnttc 420
 ccctgggtgt attntcctn ttttgtgtac agtttgattc ctccaaactg ctntccctgt 480
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 cgttctgaac ctttcagggg taggagctac tgggagagac gggggagtga gatggggtag 180
 acgaaagctt taatttagga agaaaaagtt caagtaaagg aaattattht gatgaaatat 240
 atthtattht atctgggtat ttttgacca cattattaaa ttgttgagct gcagctgagt 300
 tgctgagggg agagctthtc taanccttgc acaggtgcgt gtgactcatc nccaggtgtg 360
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 tctccttatt tg 432

<210> 8124
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<212> DNA
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 aagagttttg gcctgtttta aataatTTTT caactactta atggtacaga caaatatgtg 180
 ctgcataata aaaataacctg tttattgtta caggaaatta aaaagggatc ttttatatta 240
 taggattaaa actaattttc tgtatatgtt aactaattga ttttaattta agtatcttgc 300
 atttattaat atgtcttaat tttgaatttg aaaacatgaa gtgcaataaa catactacta 360
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 ttaagattaa aaagtgcacc aaagcaatgg caaaantact ntatttntta aatatgctca 180
 ggtggccaca aacttcagta tcgaccatta taaaccata tgagcagaat atttcctaac 240
 aatcctcaat ttacactagt agaagtaata tctttaaaaa ctgttctttc ttttaagtgtt 300
 cctttctttc aaatgttgat tgcttttcaa agctttcccc ttatctgtca ttgtctttgt 360

atatagtgca gattgttgct tgtaagaaag gctaataagg aaccaaactc ttgtaagtaa 420
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 acagaagggc aaggcttttag ttttcacagg attaactgaa gtagacagag aagggttttn 180
 cntnttaagn actcattgag ttcttcacct ctccctctga ctgttcaatt gttacatggt 240
 aaagtggatg ttgatcagat ggacactaaa ccatcatcac ctctgcagac agtggttaagt 300
 accacagatg ctaaggagtg gaaatgatcg agttgaccct cacacaggta tttctgttta 360

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 ggaaaaggct gctaagcaga aaggaaaagt gccaccgctg ccgagcacia agccatcgtg 180
 aagtctggtg aacagatcga gccgtcatcc agatgcatct tctatttatt tattttctcc 240
 caatatatat actttctaata tgtgtaaata tgtccttttg aattggctta gcttattgaa 300
 acaagtgaag tgaatttttg ttttttgtca gaactcatga cttaaagcac tttctatncc 360
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 taaagagggc ttccctaact accactacca ccactccttt tagattaagt tgagacctag 180
 atggaatgaa tccagc 196

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 caccaagaac ttaaagggga aaagtgggta ggtgactgag gacatagctc agtattagag 180
 cacttgctta gcatacacag gccctgggtt taatccccag tactgctgaa aaagaacagc 240
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 gcctncctct gcctccccag tgctgagatt aaaggccaaa gtatcttaaa aaacatttat 240
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 tgtctctggg attaagccca ggtcatcgnc cttggtggga anccatctgt ctgntcccgt 360
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 ncttcctncc tgagtttctg aggctgggac taaggcatgc atcagcatgc tgggttaaag 480
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 ttgtacccta tgataaaaac tacagtgtgg ggggagcagc aggcaactac cgctcgtctg 240
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 gccacggant ttantnctgn tgntgntnnn cnnnncnntn ntnggcncctc ncnccgancc 180
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 ntgtacgcat tcgtcacgtg caagctcagc ttgtgcaggg ttttttgtat ttgtaaattg 180
 gtttaaatac atggaatttt atacaggttt tctcctgtgt tatatatgca ttatgtgcag 240

gtatgatatt ttcttcacta ctttttctat cttaatatag tgtggaattt tattgtatta 300
 ttctttccatt ctttaatactg taccacattc ctgctcagaa actgctcact tccttaaatt 360
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 cacctcactg aattgcatcc tgtagatgta gatttttgtg ttaaaatgta taaatgtgtc 180
 tttagtgttt ttaagcaatg gtctcagcag aatttttctaa atgtatctga cctgacgaaa 240
 ccaatttcta gctcccctta ggcttcccct ccggcagctt tacctgacta atggataaga 300
 cttgggtgggt aacgcggttg aagtgtcttt gcagtccagg gcctgcagaa ccctcgcagt 360
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 acgatgtatg gttcctggtn nccgggacgg ctggncctgt ntcacagatn cagannccan 180
 tccctcantc tagncctaga actgtggtgc actncntnca gctcttggac accntntcct 240
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 tctgacagat tatttttagta gagtttggtt tgtactataa taccgtactt tgccctttgt 180
 acttaagtct ttgataaatt ttcccttaac tgtatgattt tggacaagac atttcatagn 240
 aaatatTTTT ttncaactct taagtttagaa gtnatatcca atttactcca agtgacttac 300
 gttcaaaagt aatgtntcgt gtttgtntcn cnnnnnntg agacttaaat attncagttt 360
 ctgttcacac tgtggattgt gttctgtgag aaaggttacg tatgcttcaa gtgaaaatat 420
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 gaggcaatgg aacactgact tagcggccag aacaatttta tacatttctca agactgtcat 180
 gaaaacaaat tgataatttt ttctgttaca ttacagtttg ggctccagcc atgcagttga 240
 tttagcaggg aaatgcaggt ttctcagcaa ctccaaatca gtaaacagat ttagacgtag 300
 acaggaacac gaggaagggc tntttttaaa catccantct cccagcatat gcacataaaa 360
 aggtgaatga agcaacgtga aacgtacttn tnttcantca agtgaaaaag gctaaacatt 420
 tgttagctgg taaaatattg tntcaagtaa gccggaagat tccaaaatta aacagtgggt 480
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 aagacagaag ntgtggagca gagcttggtg gagaagggtg gactggctgg gaatgacggg 180
 gacccagtgg aggagagcag cagggactgc gtggtgtgcc agaattggggg cgtgaactgg 240
 gtgctcctgc cctgccggca cgcctgcctg tgcgacagct gtgtgcgcta cttcaagcan 300
 tgtcccatgt gccnngcagt ttgtgcagga atcctttgca ntttgtgntc agaaagagcc 360
 agacaaggac ctactagaaa cttcctgaag atatcacagc cggaaagtgt actttntaca 420
 caggggtgcag anccttgtgt ccttagaggc aatcctaaca cagaatntac antnttaact 480
 ntcggagaga gttntatattt cacttcgcac ttgtacaata 520

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 <211> 51
 <212> DNA
 <213> Mus musculus

<400> 8139
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<210> 8140
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 <223> n is a, c, g, or t

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 cttcttcctt caggctttcc tgacaggcac tctacagaac ttgcccga agttcgatcat 120
 ctctatcgac accatcacct ttgatttcaa ggtgttgccc gaggcgtcat cagaaattaa 180
 ggaaaggccc cagacagggt gctatatcca tggactgttc ctggaagggtg ctgctggga 240
 ctccatgaat ttccagctgg ctgagtcacg gcccaaagag ctgtataccg agatggctgt 300
 tatctggctc ttgccagnag ctnaccgnaa ggtccagaac caggacttct acctgtgccc 360
 catctacaag actctgaccc gtgctggaac attntcaact acaggccact caaccaacta 420
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gtacctttcc cgggggccagg agtgtccatg tgccactgct ctgtcccctc ccttatttaa 180

ctgcagccat ctgtgcattg agtgttccga gtgagcaaac agtcagggtg ggggtgtttc 240

accccttca cctggggggg gntgctccac ctgaggaagg ggttatgcaa gatggcactc 300

tagctgcagg nccaacctgt gcaccagcc tggccagtgg gcaatgaggt ctgatcagcc 360

ccgcacttg ggttttctaa gaacctgcct ctgaaacaca ggaaagctgt anccttccca 420

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atgagggtga 490

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<212> DNA

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agaaatcaga tcctcaaca gcagggtgaaa tgagcaatta aaaccctgcg cgctctcctg 120

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ggtgcaggtc tctctcaagc cgcattccttg caggcctatg caccggcttt caacggcagg 180
gagcgaagac tgggaaaggg atggcagtag cagctaaagc tgaaataata aaagatttgc 240
atcctacaac tatgtgcatt ctatttcttc tcacatctaa ctttgggagt cttacctaaa 300
aagccttttg tgggccacga atacttcctc ttgaggctgc aatgcttccc atgctcgtca 360
gtgctgccag gctcatcact ttcaaggac agacataagt gttacggaag gatgtatgaa 420
atattacaat ctaccacctc aa 442

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gcagactatg tgggtcaacac ctacttcgc cacttcaagc tctacaaata tgtcttcacc 180
ccacaggtgc gactggacct atctttgact tacacggggt tacagccact cagctcttg 240
ccagaggaga aagaaaacga ggagatgatg gtggtagagc aagtagctac tccacaggag 300
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 ctctgtttttg aaacataaca gtgagtcaga ggagaagggc ggtggggtag ttacaggttt 180
 ggattttaca acctgacact antttctgcc cagattgata tagattgttt ggttggtttt 240
 ttaattatatt tnttcctttt ttaactagtg cttcaatttg tatctaaca gagatgtttc 300
 cctctttata ggatctntnc ttgtggacag aaggaccatg ntnttctaac tcaatgatgt 360
 tctagaactg ggaattactg gtaacaattg gttagtcatc tgaaaataga gtgcaagacc 420
 caaatt 426

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 <212> DNA
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 gtaaaccagt agggaatata gtacaatccc aaccctactg ggagggggcgg gagggaggtg 120
 ttgccgtcac tgtactaagt cgatgttggg aaatgtttta acatctggag cctttgtggg 180

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tggaatctg tctccaatta caactctgca ctggatgtga agaagcaaaa actattccgt 240
ctactcacag aacagtactt tctggaatat tatgggggat tgtaccaaaa caagaaccac 300
ttaaacaatg cctaggggaat gataaggagg aggaaaatcc caggtccaca gcaaaggaca 360
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aacaaactac ggggaaattc tgtgaaaaca aaaaattctt ttcctttttt taaaaaatga 180
atgactgctg tattaaatat acgaatatac aagctttttt tttnaattta aatacacttc 240
tgncaagggt atagatgatt aacctctgtt catagactna tatatggaag tagagttttt 300
tgtttacttt gaaactgttt caagtncaat tgtttcttat aaaacatggt cgattaccac 360
taaattctca ttttagctgg ttatctgcaa atatatagta tgtatccact ntctcttctt 420
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 agagccaaga ctgaaggccc tgggtggcct tctctgctaa cgccctgtga accgaacca 180
 atggactact gtggtttaga agcattggac tttgttgttc aacgtataga gtctgagaga 240
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 ccaggctgac ttcaaactcc ctgtgcagcc aaggatgac aggagttcat gatcctctgg 180
 tttcccttcc cagaggacaa agaacaaggg gattgcaggg actgcccagc agccttgaac 240
 tttttgttt gtgatgttat attgagacag ggtctctctg tatagtgtg gctgtcccgg 300
 aactcgtat ntagaccagn ttgnccttga actcacagag nctncctgc tctncctna 360
 ccagtgttag gattaaaggg gtgactgt atgccagct gntcttaaac tatgaatcct 420
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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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 <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> (423)..(423)
 <223> n is a, c, g, or t

<400> 8150
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 aacttcctta agactgaaga actgcaacct gggtattcca 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>
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 <223> n is a, c, g, or t

<400> 8151
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 ctaccaaggt acatttcctt ggcattatga cttgataaaa ctgagagcat ttgctacaac 120

tttagctttt ttagtataaa agctcaagcc aaggtaaagt aggaggccct tgggaacaca 180
 gtgacccttg taccaggcta ggaggttaca agcccctgag actgagtgtc cagaatatca 240
 gcatgcaggt tctatgttta actgcaggtg gagtgangtg ggtgttaact tttattttga 300
 tcaccttgta gtctttttaa cccttggctc ctgaggcca 339

<210> 8152
 <211> 515
 <212> DNA
 <213> Mus musculus

<400> 8152
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 gccatcggcc ttcacagcga agctgggtggc agcatcctgt ctacagagag caaatacccc 120
 aaatggaaag ctgagaaact gacatgtgtc ctagtcagta agcccactgg gaaatgatgg 180
 gttttgtttt atttgattga tttgcttggc gtagcaaagg tgcctttccc accctcctcc 240
 ctttaaactt tgttttgtaa gacttgtttg aaacccaaac aagtccaaaa gactcgact 300
 gactgttacc tttgtccagg ctatcccaaa cttctctatg ctctcatttt attaaaagca 360
 ggtgctccct ggaatctctg ggacctttct gaggcattca aagcagaata taaagagtgg 420
 tctcatctcc ttccttaatc ctgggtggtg ggatgtccca cttgtatcat agttgttttt 480
 attattactg atgtgctccg ctgtttttta atgtg 515

<210> 8153
 <211> 495
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (310)..(310)
 <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> (403)..(403)
 <223> n is a, c, g, or t

<400> 8153

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agtctttcta actgattaga caaacctcta gattctgggt taacagattt ctgctgcctc    120
tgtctccatc ctaaccatac ttttgaagtt tatacagaaa gctttaagag tttagtttgt    180
gcccttgggt tttattttta caactgctaa aatacctctg taagccttat cctttatcct    240
ttcatagtgt tataaaattg tatagaattc attcaccaac tgaaatgttg gatattctgta    300
aatgagaccn aaatgtgggt tgcttttttt cataaaataa tttctattgg gncgttgctg    360
tgacatgaac agcagccagc ctattaactg tgaatgcctt gtntcgtcag tatttgcatt    420
acattcataa aagtgtgcaa gtcctgtgac tcccagctta actaaatact gttatgccac    480
ttaacgagca cagca                                                    495

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<210> 8154
<211> 472
<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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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (320)..(320)
 <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
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 <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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 ccttttagtca atgtttcctt tccctcagtg tcaccaaagc caaatgtcat tgctaacaat 120
 gtttttgaga cgctgttagg gaataaaaaat actggctaaa gggaagggtt tctcttcatg 180
 aatcctaact aatctccctg gggcaggggg cttcggagta ataccttctg ttnnctgtt 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>
 <221> misc_feature
 <222> (134)..(134)
 <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> (467)..(467)
 <223> n is a, c, g, or t

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<400> 8155
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cctaagcctt atgggagtggt 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
ggtttggggtt ttccgtntcc tctgccccaa gctgagagct gcttcaggga tgggcagaga    360
accttttccc accacctcct taggatgcac ggggctatgg cagccaccct ggacacgtgg    420
atgaaaactt cgagattcta agagtcagat ccctaattgt actgaantcc taggtgaaca    480
ataaatgttc ctccacatcc ctat                                           504

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<210> 8156
<211> 470
<212> DNA
<213> Mus musculus

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<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (376)..(376)
 <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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 tatcaggtct taggtggcca gacaaacaac aagattatit ttggccaaag aaatgggatc 120
 tataccttcc atctgtctgt ggtagatcca tactacagct actgcaacct gaacaccata 180
 ttcagcgtgt acgtgcacgg ggccttaccg gtgacgaagt tccaaccatt gctcaccatc 240
 ctctgatgg tcaccacaac gctgctgact gcgtggctgg cntatgcta tcccaaaca 300
 gctgaggagt gagaaaggcc agcganttct gggttnttgc taccagatan tccagctntg 360
 cctaggggtg tgcttntgca cctggctgcn tggcaaactg agacagtggc tgcgccccag 420
 aagggtgaaa gaccagaaca gaggcaaggt gcgagttgcc cagaaacatc 470

<210> 8157
 <211> 441
 <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> (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
 aagcttgggc ccttttctag cttctctgac accggaagcc ctgtaccctg ttcacacaag 60
 atcctggttt agagaattgt ttntacatt tcaaggaaag gccagtggag ctaatacaga 120
 cagactggg gctaaacaga ggtaaagcaa ggtgctttga gataatacag tcattttagt 180
 atttaatgca gtgtcaatgg atatggaacc ctactgtctt 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>
<221> misc_feature
<222> (340)..(340)
<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> (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

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 8158
agagtgacat cgtcagcacc gcggaccact actacgcggc cttctgagca gagccncgga 60
gcaaagcggg aggctctacc ctaggttctg ctcacaggcc cagtaaagac ttacacatcc 120
catagtaagc tctgataagt cacaggaaaa taggactgag acagatggct ctgatgtcag 180
ccatgacaca cacaagccct cttgtcagc tccctggctg gacttcccat cactcagaac 240
agaatgggag aaaacgggtgt tgctggttta atcactgtgt ctgaattcag gggccccgtc 300
tcgatagagg ggcatcccag ggcgaaggct cctccacatn tgaanctgga gcagaaatag 360

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cagactacac cgtctgaaaa cgtcacactc caagctacca catacatccc caccaggntc 420
ccctgatgtg tcaagagctc gtataggcgc atcntntcct acagtaattg acgtttgcct 480
cagtttcctg ggacttcagc agta 504

```

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<210> 8159
<211> 514
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

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<220>
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<222> (265)..(265)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

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<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

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<220>
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<222> (381)..(381)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

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<220>
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<222> (415)..(415)

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<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> (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 cacctgatatac	180
taccggaaga caggacttgt atcctcaaac tttccctaga gaagctcagg tttnttgaag	240
accagaaac ctacctaaga aggtntntgt taattaacaa tttgctgagg aagatacacc	300
tagagacgga gaaagagagc tatgaatact tcaaggaagn tccctgctat aagactgctt	360
attntgatac gagaaaacgg ntgaagttta tggtagagga gtgctnttcc cantntntnt	420
antatgaaga gctgcactcc taccacattg tgccttacac ttcggagagt accatntatg	480
ggatgggcta cactggtgac cacttgagac aaaa	514

<210> 8160

<211> 574

<212> DNA

<213> Mus musculus

<400> 8160

gaagactact tcaatgactt tgccaaaatt aaaaagccat ataaaaagag aatgacagct	60
gaggcacaca gacgtgtggt ggtggaatac ctgcgggctg tcatgcagaa gcgtatttcc	120
tttcggagtg ctgaagagcg caaggagggc gccgagaaga tggtagagga ggctgaacag	180
ctccgcttcc tgttccggaa gctggcgtct ggatttggtg aggatgcaga tggacactgt	240
gatacaattg ttgcagtggc agaggtcatt aagctcacag acccttctct gctctatcta	300

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gaagtctcaa ctctggtcag caaatatcca gacatcagag atgaccacat tgggtgactg      360
ctggcactgc gaggagatgc cagccgggac atgaaacaga ccatcatgga gacgctggag      420
cagggcccca tgcaagcaag cccaactat gtacccatct tcaaggagat tgttgtgccc      480
agtctgaacg tggcaaagct ccttaagtag cctgtcctc cctgctgccc tatgtgtctt      540
tactgtgtgg cttccctggt gtcaccatat taaa                                574

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<210> 8161
<211> 367
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

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<400> 8161
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cttgggtttg tattaaatgg agcattggcc tttgggagag agacatttta ctgccaccat      120
ccccattctt aatttttcta tccttacta agatgaactt ccaatttaca attgtcccaa      180
tcatttacat ttcagagggt ctacaggata ggtaggttat ggagcgaata gtgaaggtag      240
tagaagctaa atagggagggt ccgtaggccca acccctgcac caataccatc cactcttgtc      300
tcctacctga agacaacggc cttgggttttc ttttgtgggg nagtgtagca tactgagttt      360
ttccttt                                367

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<210> 8162
<211> 464
<212> DNA
<213> Mus musculus

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<220>
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<222> (109)..(109)
<223> n is a, c, g, or t

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<400> 8162
gatggctcag atcagcacca atattgaaca gctgatgaag gcaccaagtc tgaaggaggc      60
agaaggaaag gaacccgagc aattcctaag tagatctagg cctgtggcna gccaaggcca      120
agcaggccca tcttaccacc ctgaagcaca tacaagcacc ctggtggaag aagcttggag      180

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aagaaccagg ggatgaggtt gatgttccaa aggatgagct tagtatagat ttaggaatgt 240
tatttatcgg tggaaccaa cctccctaga gagtactgtg aaagctggca atcttacctt 300
ttaagagatt gttagttttg cctctggcat gcaggaagac tagggctatg ccagtggctt 360
tccagagcat catcttcatt caacacttgg aagcaaaaag caaagcattg cctacctcac 420
tctcaattct tccccctgtc tctatgccct gtctgtgagc tttt 464

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<210> 8163
<211> 539
<212> DNA
<213> Mus musculus

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<400> 8163
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catttttagtt gtattcaaga tttgaagatg tattttatag acaagtcttg tttttgaact 120
ttgtggaact attccaatca atttaccagt tatgatgagt atttgcatta tgaatgtata 180
atccagacat tatttgtaaa gcctacagta tgtttttttt acctaacact ttttatactg 240
tgtctcgtct cgacaatatg atattgaagt ctgagtcgtc agcttgatcc cttcaagttt 300
ctagttacag acaaaaatca tactgtgatt ttatttttaa tatggatatg ctataaaact 360
gtgacactta taattcactg gtcctgcac aggagacggg agtggggaga agactgtatt 420
taatacagtg tgtatctgaa tactctgtat ggtttataca gtttgtgttg ttcagagatg 480
tctaaagttg atctttgttt ttttaagatt aaaaaagcac ttgccccact gtatatata 539

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<210> 8164
<211> 516
<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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<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

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<220>
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 <222> (222)..(222)
 <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> (338)..(338)
 <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> (399)..(399)
 <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> (441)..(441)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (486)..(486)
 <223> n is a, c, g, or t

<400> 8164
 gaaggctgtc attatgattt ccatttcattg ttccagtttag tcatgcatna gctatgtttt

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tggatgaagg gttattatta taatgaaaat tttcaaattgt gactcctcac agctcatgcc 120
ttgcccattgt tccgtgagcc ccgccagcga agtacgagga aacagctgga gaaggacaga 180
ctgnaccccn tgaagtccca caaaccagag cctcctgtag cnggccagg tcgtggtggc 240
cgagttggaa cccacggggg caccctgtcc tcctacattg tgaagaacat cgctttggac 300
aagaccgacg acancantcc ccgggaagcc attttgcnc atnccaaagc agcagaagat 360
aaccatattt gggtttcncc agcatattcc aaaactcanc caaaaacat gtttgcccaa 420
gtggantntg atgatgaaga ntcaaagaat gaaccagaat ggaaaaaacg taaaatttga 480
agaatntcgt tgaagagcta tttgcatgga gcaaca 516

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<210> 8165
<211> 433
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (367)..(367)
<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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<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

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<400> 8165
gcaaagaaga ccactacagc agactcattg aggagaatga caagtaccgg agacacgtag 60

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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

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<210> 8166
<211> 289
<212> DNA
<213> Mus musculus

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<400> 8166
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caaagaagac cactacagca gactcattga ggagaatgac aagtaccgga gacacgtagg 120
cagcctgata aataaggtaa cgtcatatga agaaattatc aaatgtgctg accaaagact 180
tgagatatca cattctcaga ttgcacagaa ttctgcacag tgcttgcttc taatagttac 240
tcctctttcc ctgagagcta tctttaagcc tttgatgaag gctgcctct 289

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<210> 8167
<211> 542
<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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 <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

<220>
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 <223> n is a, c, g, or t

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 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 tnttcnaag gagtaaanca 420
 aaggattcac accgtgaagg tggataacgn cnatatttat gtgacacttt ctaaggaacc 480

atttaaattgt gactctgact attatnccac tggagaattc aaagtgattc agagttcctc 540
ct 542

<210> 8168
<211> 482
<212> DNA
<213> Mus musculus

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attcattcgt gtttggattt ttatgatcac ccgatttctt catcatgcat tctgcgtttg 180
ctaaatgaca gttactacat caatctgcag ctatcaaaaa tgagggaaaa gggttcaggct 240
gttaacaatc ccatgcagta tttaaataca cttacttggc agagtctata cctgcccctg 300
tttccttgct gtatttcagg caaggtttaa agagggcaat ttgtgctgct gttagtgcaa 360
ctgctgtgta tgttgagcca ctgttgcac gccagtcagg tgcaaaggca gcttagctac 420
tgaggtattg aatgttctga ggacattcta gacaacagct tagatccttt ttcaggctca 480
tt 482

<210> 8169
<211> 540
<212> DNA
<213> Mus musculus

<220>
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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

<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> (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

<220>
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 <222> (462)..(462)
 <223> n is a, c, g, or t

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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 atagtttctg ctagacacca ctcctntcaa 360
 gancctttnt cctttttttt ttttttntcc ccacgtttgt gtattttccc tgtgacactg 420
 ncaatggggg actttttcat ccagagaaaa acttntcagt gntcccaaga atgaatttcc 480
 aggggattgc gggaggggaa agagcagggg ctgtggcagc gagttttcgt gttgcacttt 540

<210> 8170
 <211> 367
 <212> DNA
 <213> Mus musculus

<400> 8170
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 tatgcatgct aggcaaagcc tctaccacta aaccttattc ccagcccctc acctctttcc 120
 aaatatagaa aagctgaaga tttttgttca gcaaggatga gcatatatac tgtctgcaca 180

gaaagcaatg ttcagacatg aagtgaaaac acagtatttg aagggtggtca aagacaccct 240
 aacacaaggg cgagacaaaa gggacagggt tgattccacc tgcataataa tatataaagt 300
 gtggtgtgaa ttcacaaagg taagagcaaa ttgatgcttg ccagaccatg agtacacaga 360
 agctggt 367

<210> 8171
 <211> 458
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (367)..(367)
 <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> (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> (421)..(421)
 <223> n is a, c, g, or t

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 gtccatcacg aggtagccaa ttccggaggc tcttcctgac tcccacagtt ttactttgta 120
 gttagctctg tgaaaacaac ctggcaagat tttatatgcc actgttccag aaagcagaca 180
 agtcaagggtg gcttgtccgt atcttaaccc cctccagtca ggaggctgag ttccctcccc 240
 catgccagtg gcccaaggag aatgagacag ggttagaagt cagagtgggc 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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 <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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 <223> n is a, c, g, or t

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 <222> (425)..(425)
 <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> 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 cctgcccag atgctggggc 300
 tggagaagac caaggggagc ctggactttg gtgctgatgc agactttgtg gtgctcgacg 360
 acactctcca tntccaggcc acttacatnt ctggtgaant ggtgtggcag gcagaggaag 420

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ctggncctgt actgaggntc ttggctggaa aggacacttg gagaggccag gcagtccacg      480
gagctggtct ccagggagca agctgagagc cctgccctat gtctaaaaca gaacctcagt      540
catcactcc                                          549

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<210> 8173
<211> 444
<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> (275)..(275)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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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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<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

<220>
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 <222> (406)..(406)
 <223> n is a, c, g, or t

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 ctgcccaata tgtactgaat gcggtgttta ttaacatttg gaatgacttg ccgaaatcat 120
 gtgggtttttc tcatgcctct atgttaattc tcacgcatca gattaaaagg ggctgggtggt 180
 tttctgtctt caagatgcat gctttcattg gacagcgtcc ccggggaagc cacaccgtag 240
 cttacagaaa cactggccct tggatttggt ccccnttgtn ccnagcacnc acnccttncc 300
 tttcattcct ttttntcttc agagcttacc ttcagnacaa cttaaatan tgtgggttaga 360
 agagaagcga gctcngaag ngccanctgt anccctntca 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> (133)..(133)

<223> n is a, c, g, or t

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<222> (151)..(151)

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<222> (170)..(170)

<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> (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

<400> 8174

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ctggcaagga aanccagaca gactattcag ggagtgggtgt gccaggncct ttttctcacn 120

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ttnnnggatca atnccctgtg ctggaccctt ntcacctcct tatttccatn tntggtcact    180
tgaagcaacc agtgtataga aactcagant nttcagattc cagaaataac caggacacac      240
tgaaggacag agatggagag gccacctacc tgctctgcag cggctactct aagaatgtca      300
ctattaaac                                                                    309

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<210> 8175
<211> 506
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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<222> (295)..(296)
<223> n is a, c, g, or t

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<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

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<220>
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<222> (317)..(317)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

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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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 <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> (481)..(481)
 <223> n is a, c, g, or t

<400> 8175
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 tgtgactttt taaagccttc aattttttaa aaattgtttt tatatttggg ttttggtttt 120
 tttttntttt ttttttgctt gttttaagat tatttttaaa aaaccagagg tagaagtaga 180
 cggcttttaa accgtgagga tttaccactt gttttaacag tgaactcctg gtttgagtg 240
 ttcagaaaca tgtatgtgag gcagaaactt gggtagggaa ggtgcagatc cattnnctg 300
 taacatgttc agtgttncag tgacctgaaa ngccaggcag agctggagcn tctgggtaaa 360
 tgagtntcta aggaggggaag agtgagcatg nccgantctg ggntcacctg tgaggccact 420
 ntctggcagc ttcctgggca ntccccacaa aaatgctggg aaggagtgag tgggtgttgc 480
 ntcgcctggg tttctacaag tactgt 506

<210> 8176
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 8176
 gtgaggggtcc agatctaaac cagcaggact gtcccagagt ttgcagagaa tctggcttcc 60
 taagatgaag gttttgagtg accttagtcc tggtagcctg atgtcagact ccctgtcaaa 120
 aagctggctt tactaggcag ccagtgtgta aagctgtgtg gaggtagggc agtgaggaga 180
 tggaggataa ataataacct gagtgccttg tcaccatgga aactggagtt cctgaggcca 240

cagcccatgc tgaagagctt ttgagcatgc ccctgacatg cttgggtccag aggctat 297

<210> 8177
 <211> 427
 <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> (383)..(383)
 <223> n is a, c, g, or t

<400> 8177
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 ttgccaacat catcagcagt acaggccggc cacgaagacg aaatgcctgg aacccttcag 120
 gggaagggac ctccccagga gagacttata gccgaaccct ggactcagaa gaggagcagc 180
 cgcgccaagc acctccagac tgggtccata tgcgtgatat catcagcagt gacggtgaca 240
 gcagctgaac tcccgtgtcc atggtggacc ttaccctgtt atacaagagc ctggtcagtg 300
 gaagcaactt ccaaagacag actacagtgg caggatccaa gttattggca cactactcaa 360
 tttcatgttc tctaagatgn cntttggggg tcatgtgcaa gcaccccttc caggcatttg 420
 agtggac 427

<210> 8178
 <211> 459
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n is a, c, g, or t

<400> 8178
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 tatgaagggg ttctgatgt atttaataag atgtgtagaa gctcttcaag cattaaacta 120
 aagttgacgt tttatttcat tgacttttca ctgtcaaaga atatcaacca cttacaatgg 180
 aattgaagtc tgttacctaa tgggtatttg gccttttaat ttctgaagct tctagattgt 240

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ttgtattgtg aggtacaaaa aaaantgctg cagatctagg aatgtatggt cttagcaagt   300
gtttgaatga tgtaagcatt atttaccatt gaagagtacg acccctatgt tcttaagtaa   360
atgcttagta acccatatac atttttgcag gtacaaaagt atataaacat tgtataatgt   420
gacagttgta taatttatgt actctgatgc atgagtcag                             459

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<210> 8179
<211> 338
<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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<400> 8179
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gtgaggcaag atatggtgtc caaggcaggg gaccccttnc agccatgcca tttctgcaac   120
cttcattcag taccacaact ctgctgaggg gtcctcatgt ttgaagtcca gccagactc    180
tcctgagaac acacctcttc ctacaccaac agctccctct tctggatcac agcattcagg   240
tagagctgca tctggttctt tggggaatgg gaacacagga caagacactg ccaaaaccaa   300
gcagcggaag aggaaaaaga gcactgcggc ctgtggtg                             338

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<210> 8180
<211> 524
<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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<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

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<220>

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 <222> (416)..(416)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (418)..(418)
 <223> n is a, c, g, or t

<220>
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 <222> (427)..(427)
 <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>
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 <222> (445)..(445)
 <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> (462)..(462)
 <223> n is a, c, g, or t

<220>
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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 cgcattcatn 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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 <223> n is a, c, g, or t

<220>
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 gacagccatc ctgaagctag aacaagccgg aagaacaaat aaaccccagt ttcttgatc 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
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 <212> DNA
 <213> Mus musculus

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 ttctcagtgc agggcacaaa atctccagga tcctgtgccaa aaagattccc caaaatcatg 120
 gttttttgat aaccgggtcaa agtctcttcc agcacctcac ccgatccgct attttgacaa 180
 ctccagtcta gggctgtgcc cagaaccaga tgacgtagag aatgtggagc ctaagacaga 240

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cctctgccaa gcctccttgg aaaaagatgt gtcccagtcg aagacgcagt agatgccccct 300
gtcccgtcag agcagagcgc ccttggatgg atgcccccggt cagccgagcg ctcttggatg 360
cctttcctcg tgtgtccaca ctgacaaaga tgatgcaatc caacttagtt tcagtctaata 420
ttccacttta gaagatggag gaacaagaaa cggattgatt gcagtgactt agaacgctgg 480
tggcagttct ttctgcttgc atctgtgaca ttccacacgc tgaactgtta 530

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<210> 8183
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cttgcaacca tgtgggttaa ggtgacaact gaagtattcg cgtatgattt aaagtctagt 180
caactggaca ggattttata 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

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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

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 agaagaactc agaaancaag aggagtgttt nttcttcctg aggggaacag agggccgcga 180
 gagagccttt cgacaatggc tcagaaggaa acagatcgag aagatagccg agcagcaggc 240
 tgtcaaagag agagccaggc agctccggct cgaagccnc 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

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 actagagtca cttgtggaga ggaaacctca actgagaaat tgcctttctc caccggtctc 180
 caggcatttc tgagggagca ttacttcct taatgattga ggcgggaggg tttntnccac 240
 tnccatcctt antcaggtag tctcaggctg tgtaacatgg caagctcagc aagatatgga 300
 aagcaagcca gtaagtcaca tttcccatg cgttctgttt agtccttgcc caaaagtttc 360
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 ncctgtccgc gtgtgtgaca gctgctacga tgccaggaat gtccagttag atgtgactga 180
 ggcgcaggca gatgatgaag gtggaacgct gattgcccgc aagggtgggcg aggccgtgca 240
 naacaccttg ggagccgtgg tgacagctat tnacatacca ctaggcctgg taaaagatnc 300
 cgccagnccg ncctactggg tncctgacca tgagatcctg cnactgccac aactnnccgc 360
 aaggagtcca 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
 <213> Mus musculus

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 <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 aaaggctcagc 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
 ccagggttaca aagttctcct cataggtgga aaggtttact gcagtgttat cctctaagtg 180
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<210> 8191
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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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 cctcctgagg gtggcgcttc tgctccccgc cccgaggacc agtgctggcc gcgcttcctg 120
 cctcagtcga ttgtcagtcg cgcctccctg ggctgaggat gacggctcct cttttagtta 180
 tttattttta aaatatcttt gaactgtgtc ttgaaaaatc gccnatgaag ttggtgccac 240
 tttattttatt tactcnactg actngatggt gttgtgttgg catatttagt atgttgnatc 300
 tgnccctta ctcttggtga catttgagag gnnnaaaata accctttcna aacagttatt 360
 tttttgacna aactctttgt ggagttttta ccaaatagat catttttagta gtnaaacttc 420
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cccaaatgt atttgtgatc taccctgcc gctaagagct tttggtttac agactttcat 180

aacattctga tcttttatna cttactctcc cttttctctt acttgatgaa cacttatttg 240

agcttatgtt ttttgataag agnatctgtc ctgttttaca caccaatatt attttggttt 300

ttatgaagtt nctgaacaaa tnccttagcn atttaaaaan cctaccatag nctntagtag 360

taacactaac aagaaggatg gaaacttcct natagagaca tgtttgagta gtnctttact 420

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466

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 <223> n is a, c, g, or t

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 gccatgcac tcaacattca gtggggccct ggaaccaacc caacacaaag ggacaactaa 120
 ttattactct tgttaatcac aaaaaatgtt ttgtgcccat ctccccctcc cccgctccca 180
 ccccggtgtt catgggtctg agtggactct gtctgcatga atttcatggg acagctgctg 240
 gcgtatggga ccaagaggaa gaggaataag aatgccctcc caccggtgct tgtgaagggg 300
 agaccggact cccacctct gtccatgctg gctggaacan ccgctgcact aggggatttt 360
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 <223> n is a, c, g, or t

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 ccatgctcat gctgggggcg gcanctgcgg ggncnctcac ggcaccacca cctgcttcca 180
 nttagaancc tgagagagan cantgagaac acccagggaa gctggggac 228

<210> 8195
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 <212> DNA
 <213> Mus musculus

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ttaggaacaa gagataggtt tcaatggcat cagcttcagt aagggaccac aatctggttt 120
tccattttat ccacaagaat agacttttgg gctgctggag ttttaagtaga agtttctact 180
atatttttta tcttattatc ttattttctg tatatgaatg tttaacctgc atatatgtct 240
gtgtaccacg tgtgtggctg gtacccatgg agaccagaaa atgatattag atgccctaga 300
ctcagaattg caaatagttg tgagctgcca tgtgggtggt agaaactgaa cctagggact 360
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ctgcacgaac agctgtcatg cagctcgga agaagtagtg agacttgata aaaagtttga 180
ccttttnatg ctgctgcttg cctctgagga tgaaattctg gcgggcaatg ctgccctctg 240
ccttggaac tgcattggaag ntgcccagtg cagccccttc cttgctgaag acggacatcg 300
tgagggtgct cttgaagctg gcagncagcg actcaaagga gacaggcgta cagctgaatg 360
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 tgaccagcat atgggacaaa ggcctcctgt ccctgagcct tcccaacagg actccacatc 180
 cacggacccc aaagggttgg cccaactttg atctcatcct cactaagcta cagacctgga 240
 tctgggaggg cagagacagc ttctgctgcn nnnnnncnct annnannntn tnnnnnttn 300
 nnnanncnnn tccanntgac tggganacan anacctgtnc aagaagatag gcntcttntc 360

ntgggccagg cntacattnt tcctctccct naggcttntg gggagaagtg gntccctncc 420
 atttcctttc ccaacagaan tcctcatagg atccccntc ctttccctnc ccaccttttg 480
 tantctcaca cagcactntg ggaccccaaa ttagagctnt cttccggttg tattttaanc 540
 ccccttttag aagtcacaca gcgtgctgag tccaa 575

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 <223> n is a, c, g, or t

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 tccttacctt gcaactctagg 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 gtctgtatct ggatctttta ctgtactttg cctggcgctg 420
 tgcgcaaggt ctgaaacctt attgctagta cctagaaaca cacaaggcta tccagccaaa 480
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 <211> 45
 <212> DNA
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<400> 8199
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 <212> DNA
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 gccacccta cactggaaaa tgtgtctggc ttggcacta aaatcatgta gttctaccag 180
 acagcaataa taactgagca gagagctaata gagctagtgt tcaaacagct caatggtgag 240
 ggtgggcagc tgtatataga tatgcatgta tgtgtatgta tatataattt tataactttc 300
 ccacataaat taatacatgc catgtataca canatgtgga atatatttgt atatattcat 360
 gtacaggcaa taagcatccc taaggtttgt gtctggtcct acaccagac atcaacttaa 420
 aaccatcaga cctcaattgt acaataacaa gggttttgtt taaaataatt aaaaactcca 480
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 gaacctagca ttccac 556

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 <223> n is a, c, g, or t

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 gtgggttttt tttttaattg cagtatttcc attgtcgcag taatttagta aaactctgtg 180
 gctgccttga ttttgacaga tttntnnat atnaactgnt tgtnaggcaa tnagtnatat 240
 ttatgcataa atcaattgca cnataattca tgaattatth attacaatat tttctaata 300
 attcatgtat ctntcttgtg ttgtacatgt actgtaattt tgttcctact ttgtgttgtn 360
 atatatctaa atctgattgt atgaatttta attgttcagt taacgtgttt ctaggttgta 420
 attttagta 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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 acgcaatcac cttccatatc tccagcaaga aatcaagcac agaaacagac tctcaccggc 180
 tggggcagca catcgaaaat gccctgttgg atgtagcctc cctgttccgg gttggacagc 240
 atttcaagcg ccagttcagg ggggagaatt cggattatag atacaacttt ctctcctgta 300
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<210> 8203
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 <212> DNA
 <213> Mus musculus

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 tgagcccttc acaatctccc tagcaggcca aatggccttg tactgagagc tggttgtcac 180
 ccccttttcc tccctattcc tttcctggca cctgaggctg taaaagnnnn nnnnnnnnnn 240
 nctcttccct atctcttccct gagttcccat gncatccaag gacatgagtn angcctgagc 300
 cnagcctgac ccccaaggct ntcaaggagg atcnatgttc cagagataag atccagagtg 360
 cccnctgcct ggcgcctgac ttcnnccccc atgtcagcag atgccactt ctttgttctt 420

tgtataattc tccctcgacc cctcccatat tccccgcgat gtatgcttta aaaagaaggc 480
acctcagc 488

<210> 8204
<211> 488
<212> DNA
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 tgagcccttc acaatctccc tagcaggcca aatggccttg tactgagagc tggttgtcac 180
 ccccttttcc tccctattcc tttcctggca cctgaggctg taaaagnnnn nnnnnnnnnn 240
 nctcttcct atctcttcct gagttcccat gncatccaag gacatgagtn angcctgagc 300
 cnagcctgac cccaaggct ntcaaggagg atcnatgttc cagagataag atccagagtg 360
 cccnctgcct ggcgcctgac ttcnncccc atgtcagcag atgccactt ctttgttctt 420
 tgtataattc tccctcgacc cctcccatat tccccgcgat gtatgcttta aaaagaaggc 480
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 aacaaatcgg gagaccttta ggttggttagc gccaccatct gctacagaaa cgggccttct 120
 aagtgaactc tgcagactgg aatgccaaag ctgaggcgctc aaggntcaga caggaagatg 180
 agcagagacc cctgccctgc ctctgagaac gacgctaaca aacagtttca gcagatctga 240
 gagaggatgg tattcggatc tcttttcttg ctctggtcct cgggagatat tcttggtgtc 300
 cattgtctta acanttcttg aagggtgagaa agctcatcct gaagggcaga gactntgaga 360
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 ttctt 425

<210> 8206
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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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 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
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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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 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 gccaggnctt 360
 ctgctctaac aggagtccag cttctcctgg ggggtggggcg ggggggggga gcgcaggtag 420
 atttttctgg agcacccaag actgaccttg atgtgntcct ccaaatactt ggtcgggtgtt 480
 tataagcata tgctcc 496

<210> 8208
 <211> 327
 <212> DNA
 <213> Mus musculus

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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 tgttggaat 180
 tctagtgggtg ctggggaaca gccagggccc agcaggggtg tgtgcacttg tctggtaggg 240
 aagtcctcta gcacaggaga caggactcct gcttgttccc acttcagttt gagaagctga 300
 ttacaaatct tttcctactc agttcaa 327

<210> 8209
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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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 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 ggaagggtgaa tcttctggaa 360
 agaggaaaanc ggaagacgat gacaaagcga ataaaaagca taagaagtat ntgatcagtg 420
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<210> 8210
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<212> DNA
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<223> n is a, c, g, or t

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agaagattct ccatatacac ccccttctga ctcacaaaga acagtttatg aaactttatt 180
aaagagactg aaagaagagc cactcaaagg aattactgga ctagattacg tgactggatc 240
aaatcttcca agccattcag acattcacat ctcttgtctt actggactaa aaatccaggn 300
tcctgtgtat ttcttagaag atggaaaatc aactatttct ttgaangacg ctctgatgtg 360
ggcaaaggtg aatccattct cacctttagg aactggaata cgactcaatc catttngact 420
gaatTTTTTT ctncacactt cctagtTTTg taaaaggaa atttggggta tttataacct 480
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<210> 8211
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<212> DNA
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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

<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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 gttcagttcc agcttcctga aagacactca ttcacagtca tggacttccc agtgagacat 180
 tgtgagttta ctacttagtn nttnctgaca ttttccttga gagaagacgg tctgtcccca 240
 acagcagaat tttagattac tgttaaaagt ttttaatcta caggattgag acaganacat 300
 gaaggcttgt taaagagaan cacattcaat tctgttagga gggatnattn tttctgattn 360
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<210> 8212
 <211> 469
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

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tgctggtttgt ccttaacatg atgctcttct acaagctgtg gatgctggaa tacaccaccc      180
agaccctcac  tgcctggcag ggtctcaggc tccaggaaag gttaccccag tctcagacag      240
aatggggccca gctattagaa tcccaacaga agtaccacga caccgagctc cagaagtgga      300
gggaaatcat  caaatcctca gtgttgctcc tggaccagat gaaggactcg cttatcaatc      360
ttcagaatgg  tatcagntcc cgagactaca cagctgagag cgacgagaag aggaaccgct      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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 atgtgggcac cgagaaaaag caagagatcc cagtcaggac ttcgttggcc caaaccacgg 180
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 catcttttgg cagcccttcg acgaccttca ctaaactctg gtttcttagg agcgccctca 300
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 cgtgtgcagg agctggagag ggacaagaac ctgatgctgc agcgccctgtt agcagtgcctt 180
 ccctcgggag tgaataagaa gtgcagcccc cggctctgtgg agtcctcatc ctctgagtct 240
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 ctgcaaggcc tgagcgaggc catttccaga gatgaagata tttgtgtgga agataaccag 360
 aacaccaaga aaaccaagaa ccctccttca gatccactgc tgagctagag ctgccagggg 420
 gaagaatgaa gccagcctga agctggaccc ccaggagggt tgggtcggag gaaatgggggt 480
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aactct

546

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 <223> n is a, c, g, or t

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 tgtgatcccc atgctgagtt ctgggactac aagtgtgtac catnacaccc ganctaactt 180
 tgggagggca gctttaatgt agaagataga ctatctccat gaaatcggtc ttaggggtgcc 240
 aactccgaa tccctttctg ttagaggcgg agtcccaggt ttactctccc cctccacaag 300
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 <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 tgggtgntcat gcntacgaac cccacantag cagantccat gcnccgnta 120

gaagacncct tcntnaactg caaagaggag atggagaaga actggcaaga gctgctcact 180
gagaccaagc gcaagcagtg agctaccatn tntcagcagc ctgtgggccg aagccagggg 240
catggntcca gaagcccaga cgtgtagcca tgtgcatggt acttgttttt caataa 296

<210> 8217
<211> 519
<212> DNA
<213> Mus musculus

<220>
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<222> (242)..(243)
<223> n is a, c, g, or t

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tctgtgagtg agacttcttt gattgtagct ctgtgctgtc ggaatggaac agtagttccc 120
gccaatcctt ccaccaccac ggcctcagag gcctgggccg tggccagaga cgagtttgca 180
tcatccacgt ggctctgtca cctctgcac cgcacctgtc ctgtcatctg tccccgccag 240
gnngtcagtc atccctcagc tcccatgtgc cctgtgtccc acccaaggcg ggctgggpcg 300
gcaggcctcc tttgtcctct ttcacaatct actgtttctg agtgtacacg ttgcgctggt 360
tgtgtttgac cccctgactt gtagccagct tgtgtaagac cccttgacaga atgagaacgt 420
taaaaacaag aaaccacccc agtactcaca ccatcaagtc tgttctagag cgtacaaccg 480
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<210> 8218
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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> (415)..(415)
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 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
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<210> 8219
 <211> 314
 <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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 ccctatgatg gtaggtgtca aatcagttgt agctaattctg tccagggaga gtaccagctt 180
 cattacactt gtatagtcga gttcctccag catnaccnct gtttaataga acgtgattag 240
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<210> 8220
 <211> 429
 <212> DNA
 <213> Mus musculus

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 <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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 ggtccctcag ctttcacagt ctttgcagtt gacacaggct ccagctgaca gtgtgacaga 180
 agtgtgtcct gccttctcca gcagaggctg ctgctgtccg tggacaacac tgggtctgtgg 240
 catccttggt ggagtggctg ggtgagagct cntctttctc ccttcatta ggcacaatgg 300
 tagttctgtg ataaagctta actcgtttct acagaggata tttttgttaa agtctgggtg 360
 atatatcttt tctgaagagt attagatttt ccaacaattc tatttaaagt ctactgtcat 420
 ctgttaatt 429

<210> 8221
 <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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 ggagcaggaa gagtgatgga gaacaacttc cctctcccat gtctgctcat aagcgcattc 180
 accacattcc tgtgcacaca cagtaagttc ttatagaaga tggaaaatgc aaaagtacag 240
 aatgttaagc tatggtggca ctgctttacc tgagtgtctg aatccaagct aaggtaccag 300
 aagccccagc tntctntcac ctgtgtgctg acgggtaaca gaactgttac attgagctta 360
 tgagaagaat acagataagt gagaaacagc acttggtgta actagtgagt cggcaaaatt 420
 aaagccggtg atgtttttgt gaaatttcaa ttttgggaacc tgaaagaaat gttgcattgt 480
 tctgttttagc ccata 495

<210> 8222
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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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 tgtacggcac tcaagcagcg tgttcagtga cccactaaca tgcttccctt caccaccat 120

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tagtggaactg tatggaactg agtagggacc acatttccta agtctacatg tacagccatc   180
caccaacatc tcagttccta ccatgtaagt ttggcgtgca atcaaactac tacaaagcag   240
gtgaggagat ttagattcca cactctactt cagctnacat ggctacatat gacctagtag   300
acttgaagtc agacagacat ttcagttgct tacctccaat actgancctt gctttggaaa   360
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<210> 8223
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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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cacctgtgag acntgctggca agtcttttcaa gaggaagaac catctggagg tgcaccggcg      120
cacgcacact ggggagacgc ccntgcagtg cgagatatgc gggtagcagt gtcggcagng      180
tgnttcgntc aattggcaca tgaagaagca cacagccgag gtgcagtaca acttcacgtg      240
cgatcgctgc gggaagcgct tcgagaagct ggacagtgtc aagttccaca cgctcaaaag      300
ccacccggac caciaacctc ccngacgtgc ccatncccat ggacctcagc ctcnattnat      360
ttgtantntt ggacattatg tccagacgat caganccna gatanccanc cacaggggct      420
nccccaaccn caggccggaa ggaggcattc ccactnttcc ctgggcaggt nccccaccct      480
gccccatcac atcccacca tggagctggc acatgggatt gcactgctga a                    531

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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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<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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gaagggnttc tgtcatgtcc ttagtgattt aggaagtagc catgcttgct tggccaatt    120
acttgtgtgt tggatccaag atgtatttta aacaaatatt ggcatagata gtaaggagtt    180
tctgtttgtca gtcaaagtag gatataaaac atagaaaaaa aaatcttatg ctacacttga    240
gcctcatata aagatagcct gtgtttttgtt gttgtttgtt ttggttttgt ttttaattac    300
tatttntgca tttaaattan acactgtttt cttttgtatt attaacnatg tatgtcagaa    360
ctggagtttt ntccctccc ccatctgaac ataataaaa atctgaaaag tattgtgaca    420
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<210> 8225
<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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 <222> (469)..(469)
 <223> n is a, c, g, or t

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 ncttctacct gatagatgtg aagccaaagc ctattgaact tccaccgaat atagagactc 120
 caaanccaaa ccttgggaata cngacacctc cccccccga gtcaaaggag aacctcacag 180
 actctgcacc tnagctgaag ggaacgaagg atgaagaatt tatacaactg cccccagtac 240
 cgtcatcact catagcacca gcagcaacta tttccaaaga agcaatcctc caggccaagt 300
 cccaggagac ctacagaaac agcaaggctg attccaaagg agcctaagga tcccttgaag 360
 gtggcgctcc ctntcttcag tcantccgct cagcagtggc gtccacaaag gaattccanc 420
 taagactntc tggcttgaga taaaggatca gccattaant cgttggagnc cttgtgacca 480
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<210> 8226
 <211> 412
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (258)..(258)
 <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> (312)..(312)

<223> n is a, c, g, or t

<400> 8226

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cactgaaggg cattctgaat tgaagcttgg agaactgcac taaaccact aaacagatgc	120
aaaaacctga ccaggcccaa caccaccct gcctggctcc tctcctcatc cagactaact	180
ctactgtgaa gtcccaccac attccagggtt ggaatttttag attcagggtg gattttcctt	240
gccgtggaag aacacagnca tntccctagc tttctcacgc taaccctgaa gtatgatcac	300
ttctgaacct gntcctttct taactgccag gattggaagc aagagcatca agcccatagg	360
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<210> 8227

<211> 373

<212> DNA

<213> Mus musculus

<400> 8227

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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 tcccttcacg ccgtgttctg	300
tctcctctgt ccaagttgac taaggatgtt cttggttggt tggtttcagt tgggtgctctg	360
aagctgaatc tca	373

<210> 8228

<211> 327

<212> DNA

<213> Mus musculus

<400> 8228

ggagaactac taccgcttag cagaggacct ctccaacgag gcgcgcgagc ttcgggtcct	60
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gagggttaaat ctccagctga ccatgggaac cttctccctt tcaactcttg gtctgatggg	180
agttgctttt ggcataaatt tggaatcttc ccttgaagag gaccatcgcg tgttttggt	240
ggttacgggg attatgttta tgggaagtgg tctcatctgg aggaggttgc tctcattcct	300
tggaagacag ctggaagctc ctgtgcc	327

<210> 8229
 <211> 544
 <212> DNA
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<220>
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 <222> (121)..(121)
 <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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 naaatatttt tttttaagc aagttccctt tgggaaagag aagagtggta agaagcaacc 180
 ttgtatatgg ggtttcttca ggtgaacggg tgcagagtga tctatttttt aactacttag 240
 caataactac atgtggggtt gagtgcacct gagaaggggt ggaggagccc agatgttttg 300
 ctagactgtt tgaaacnaat accaaaaacc tctatagagc actatcctct gctgctgtgt 360
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 acatttaaaa gttactgact cctgccccta cctaagtggg tttctccttc ctgtcacttc 480
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<210> 8230
 <211> 480
 <212> DNA
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<220>
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 cttatcgtgt gcttgttcct aaaaacattg gttgtatgtt attttcaagc tgttctgcct 180
 ctaagacgtt gaagaaaaag ctgtggtgtt tgggcnnacc ttnnttgtga tgncttctt 240
 atcctcctaa taatattgcc aagtagggta gattccacac gattgctctt aacccttggt 300
 attagcaaat catataggtg ctaataacga atattggata cagtcaatac aggaatataa 360
 aatggaatgt aaaancctgt tgctatgaat gggtanccat ctacatgttg tacaaggaat 420
 gttgatgtta tgaagtgtgg aaacttggtt ttgaagatgt gaactcaaag ctttgtggat 480

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 ttcacatcag attggaagtc tggttctgaa tcatgttgta aataagaagg aatttgggat 180
 tttggcaaag acaaagtatt ttcagttgtt gaaatgccac gtgataaaca ccggcaacgt 240
 cactgaattg gtaaactatt tggcaaatga cttcagtgtg gatgaagcat cagcgttgat 300
 aaatgagtat tcaaagcatt gtgggaagcc tgtgccagca gatgcagctc cctgtgagat 360
 cctgcagaca tttcttgggt gatcatagta aaacaaacaa gttttcaaaa caagaggaag 420
 tctggagtct gccgctaatt aatcttatt 449

<210> 8232
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<212> DNA
 <213> Mus musculus

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 caaacctga 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
 tatacttaca cgtgagcctg gaatgttgat actgcacacc cactgaatgt atttcctctg 420
 acagtctggg caccggctct ggcccaccct ccccttcttt gtgccgtggc ggcagttgtc 480
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 tgaaccccaa cggctgttct gagttgactg tatcccaata ctccgatctt attctacaag 120
 tcatatcttg gaccctcacc cagtatcctg aggaactagg cctccattag cacaantcgt 180
 cgggtgaagcc atgttcccgt cgtgccacag gctctgtggg cgggtgcagga aagcatcggt 240
 gcctagcagc actcctgcct ccaaaccttn cnnntnnnn nnnaagcacg tgtgctttat 300
 ttatagctct gtagactcct agccccntnc tantcnntnn nntnagagga anatnnatnt 360

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ntgtaganan acacaagaca tgctggagga antaagggcc nagntcaggt gtttaanaaa 420
ntntggggct gggganttcc tgttnccaca gaactggggt gcnccctcac cactaagctt 480
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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
gctgcctggc ggtgtcaccg catgaactcg ccgggaggcc ggggccctgg ccagccacac 480
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 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 tctggctcctt ataccaaact aacatcttta ttattatcac cttagtata 420
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<210> 8236
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 <212> DNA
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 <223> n is a, c, g, or t

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 tgtccctgta gattagttcc agagtggggt gtctgtaaat actgtactaa taggcatgtg 120
 tgactcttgt aaaggacat tagtanctgc tgcaggtcct gtttggaac tgttgtata 180
 attcccggtt ttttgtaagt gtcagcgcg 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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 atnggataan taaactgcnt taggagntat gggaccagag gaagtgcata tattttttacc 180
 ctatgggttg atcattctag cctcaggaac cctgtagaat taactcctgt cataggggct 240
 agctcagtga aactggtagt ataataaaac agtgagggag tttctagagt cttaataggt 300
 tctagcatga ggactatccc ttaatatattgg tntctctcat aanaaggcac ataacctccg 360
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 <223> n is a, c, g, or t

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 tggatggaac tgattccagc ctggcaccag cagggaccat cttgggtcag gtgcttctgg 180
 nntagtgcctt ctggctcaag cctcctcggc ccaacttccc ctcagcgggc tctgcaggag 240
 ctgcagggtga tgctctcagc atctgtctcc ttgttttaaac aaaatgccct catTTTTctt 300
 gtcttganaa nctgcgggct gcctctaccc ccncagccca caggggtctca ccgatttatt 360
 gttcgtttct ttgctgtgga ataaacctcg agcagccagt tggcttttta cccttttagat 420
 attttttagt catcggctga ccacacacag ataaagtccg ttttgttact tcttccactc 480
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 <213> Mus musculus

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 tttttttctt ctcaagacag ggttttctctg tatcaccctg gctgtcctgg aactcactct 180
 aaagtaccct cttaattaac catgcttaga gaggaataaa aggacaagac cagagtttca 240
 nctaccttgg attctgcncg gactcaggat cacagtcagt ttgtgtgagg tcaccagttt 300
 atacnaaca gggtttcaagg gnccacggac agaactntct tgntcagaat cagctgantic 360
 ttgcagacat gattntactc cagacntttt tgtctctaga agagaaactt gcnaacattc 420
 tnccttcctt ttcttttctt tgggaaagta aatgctgtgt tagaagtttg gaccagaatt 480
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 acttcagaat ccttaagagc aaaagctggt tcttagttca agtcatgtct tcatatgtgg 120
 agtggcttgc aaagatcaca gaatatgccg acttcagact gggtttcagc ccgttagtga 180
 gttgtgaggt ccagtcagtg gatggccact gagattacag aacagcgaag tggaataaaa 240

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gtagatcaga atgcatcctg tagtaaaggc aaatactntt ctgtgaacct tctcagcgga    300
gcgtctgaga ncntgctacc acatcaaagt tatttggttaa ggggtacaaa catacaggtt    360
gaagaaacga tccgagctga gagaaccaaa tgtgncctac ataggtgatc ttgtgggttt    420
gctttgaact tcagattaca acattgtttc tattncctga acacaaatgt aattnccttg    480
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<220>
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<223> n is a, c, g, or t

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aagcttgtcc aggtattgct ggaggacaaa accactgaga gcgctgtgaa gctcagcctt 180
cccgtgggac aagaggccct cataacccta agcaatggac agaggtttgt gatccacatn 240
tcagatgtgc cccaaagntc agaaaaanann tattncagga aaancaacgc gaacgtgcaa 300
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<210> 8242
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<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 ctcaagcggt tcattactga gtatgacaac 420
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<223> n is a, c, g, or t

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 ttcataaatg tatgtgaggc tcacatatta accactgttc aaaaatacca gtaaggcaga 180
 attatgcaga acttttgtga ggtttaatgc acacgtnaag catatcgctt acattnttac 240
 atatnttaac cagntccttt taanacagac atttacatna tnncaacaant tataagcaaca 300
 tcaagggctt ttntccccgc tttncaatga attgttttct tctgtaagga tgttgcggac 360
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tgaaagag

428

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tggncctttgg ctttttgttg gggntgagag ccctagctcc cagctcccct cactatcttt 120
 tgacactaag atggaagggt 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

<400> 8245
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 gaagtttgtt cccacacctt cagaacacct aggctaaaat gctgcttcta taattcctgg 120


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acctaaccta agagaatttc tctgagggcc catttagtca tccagacttc tgtctactta 180
cgagtagctt tcgcagaagg gcactgtcat ataaagtagt ctgtcatgca ctttaciaaat 240
tataagcttg tacagcctta tgacagttta ttctaagcat gaaaactggg tcatgagttt 300
attaaatgta gctctgtcag cctgtggc 328

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<210> 8246
<211> 401
<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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<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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<220>
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<223> n is a, c, g, or t

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<400> 8246
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ctctctccca gcagacaacn acattcagca caccctcac ttgtgactg ccatggccgt 180
ccgttccttg tgaccagcca gatgacttag ataatagggg agtttgaaat gaatgagctg 240
atactatctg taggttagga ttctgaccaa aaggtcttca gggctctagg ggaagggatt 300
aattgaaata ccttcccagag catagggctt ttctccagtg tgaattctcn gacgttgaat 360
gagtttcntg aatcttgaaa gccatcacgt ggtcactgtt g 401

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<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

<220>
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<222> (423)..(423)
<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

<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

<220>
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<222> (499)..(499)
<223> n is a, c, g, or t

<220>
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<222> (501)..(501)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, c, g, or t

<220>
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<222> (541)..(541)
<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
aagggggcat ctgtaaactg gaacggctca gaccccatcc tgtgaccctt ggatacatgg    240
agttctatgg cttcagcact catcactggg atgaccccg gacccaggt cttaggggtca    300
agtctcttag aggagtcacc ctgcctgagt ttgcatgtcc acagaggcat gctcagtctt    360
ccagttcctt ccatgaaggc ccatggcagg gtcctgttga gattccctcc tggcctagat    420
gtncctgcca aagacaggaa ggaggaggc caccagagan tntactncct ttngtttgca    480
tccttctga ataaccctnt ntccaagncc tctggtgtca ctggctttgg ggaccctgga    540
ntcttgttac tgcagcttcc ataaag                                         566

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<210> 8248
<211> 482
<212> DNA
<213> Mus musculus

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<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
tgttgggggtt attgccaac actggattta aaacgctcca atcctaagag ttaggggtctt    360
gatatgcagc cttggctggc ctggactttg tataccaggc aatgctcctg cctttgtctc    420
cagaatgcct ggggtggtgag aatatgctac cacacaccgc tgagacttca acttctccta    480
aa                                                                    482

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<210> 8249
<211> 483
<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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<220>
 <221> misc_feature
 <222> (159)..(159)
 <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> (376)..(376)
 <223> n is a, c, g, or t

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 tttggtggaa ggtattagag gaagatttac aaaaactgct tctgtacaga ctccaggaat 120
 cttctgtgat cccctgagc agatagagag atnccagcna gggaccnaaa agctgagctg 180
 cccctccct ctgaggcaga gaaaaggctg gcagtcaggg atctcattgc acattttgag 240
 ggggcagggg ccacacattg agcccaaagg gaggggtgtct tgaatccact tttcaagggc 300
 tcagttctga gggcacacag tacttgtctt ttaagttggt gaggaacttt ttgaacccta 360
 aatggcacca tctttntcca ctttgaaaaa ggctgcatgt caatccttcc aaccccatag 420
 gaatgtagag agggatggga catgggggac gcatccctca gggcagagtc ctcatgtctg 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

<220>
 <221> misc_feature
 <222> (375)..(375)
 <223> n is a, c, g, or t

<400> 8250
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 aaaagaaaat gtgagattat caaagggtact 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 aagatgggcc tagatattaa cacctgcac cccatagctc      480
aaaaggtgta                                                                490

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<210> 8251
<211> 555
<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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<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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<220>
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<222> (423)..(423)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

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<400> 8251
ctaacagatt tcctcagcag gcctgggaag aagcccggca atttttctng aaaaaagaaa      60

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aaaaataaat gtttttttagc taattctgta tttgagtcct 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 ttctttnat gaagtaacac agttttcagt gttgactttt 360
cacattaagc agtacaaatt tgagnaagtg ttaagaattt ataancctg ctttaagttt 420
ttntttggag ttagagacct gtgtaactaa cactttcagt aancctttgt actatttgaa 480
attacagcac ctaaccactg gtcgggaact tcactggcag aaagcactgt gaactattcg 540
tgttgctgag ctaaa 555

```

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<210> 8252
<211> 393
<212> DNA
<213> Mus musculus

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<400> 8252
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tacttggtaa ctggcaattg tgggggaagg gcctccattg agatgtaagt gttccagtgg 120
agccatctga aggcgtgaca gtgtagagcc acacccttg catgcacctg atctcagaac 180
caagccaggt caggcacctc agtccttaca gagagcggga ttatttaagt ggcacaactg 240
aaactaagac cacagtagag ctaggcaagg tggcatatgc cttttaatcc cggtaaca 300
aaccaacgaa agagaacttg caggaaagca aactctttgt cagatgccta tgctgagttt 360
tgcccaccaa cccagccttg tatcttcttc aga 393

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<210> 8253
<211> 150
<212> DNA
<213> Mus musculus

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<220>
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<222> (86)..(86)
<223> n is a, c, g, or t

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<220>
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<222> (97)..(97)
<223> n is a, c, g, or t

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<220>
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 <222> (111)..(111)
 <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

<220>
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 <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

<220>
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 <222> (355)..(355)
 <223> n is a, c, g, or t

<220>
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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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 <222> (391)..(391)
 <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> (417)..(417)

<223> n is a, c, g, or t

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<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

<220>

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<222> (467)..(467)

<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 gctgggggtgc ctaagctaag tgggtcctga cagagaacag agccagctct 240

tggggaccct ggaggtttgc tagtgtgtga atgtgtaccc ccaaaagttc atgtcttgga 300

aacttgggtcc cgggcacagc agccctgaga gaggagcgct ntncagngc ctttntnaac 360

angtttaatc ctttcgagga ttaataagtt ntcttgagta tagntttggt 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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<222> (67)..(67)

<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> (142)..(142)
 <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> (175)..(175)
 <223> n is a, c, g, or t

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 <222> (367)..(367)
 <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> (386)..(386)
 <223> n is a, c, g, or t

<220>
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 <222> (432)..(432)
 <223> n is a, c, g, or t

<400> 8255
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 ggggaanagg ggcaaaaaga agaagtaatg tcttcctcag cagctacccc gagcatcttt 120
 gagatgatnt cggccccagc tngtcagga gagnctcacc cctgctcacc tgggnaagcc 180
 cacagagaag ctaagcggag agcagccact ccaaggcact gtaccctgac cactgtgttc 240
 tgttatcctt caggaggctg cacaccaagc aagatgtccc ttacagccat aaccattact 300
 tgccattatc ccttaactca tgcaaagtct gtcaatatca agttggcttc ccttgtgttc 360
 cacactntac ccagctntca cacttnccag tattagttag caccaagatt acaacataaa 420
 gggaggtctc tntcatggca agagcacctg agttctattg ttggtacact cgctctttat 480
 taaccatac gcatt 495

<210> 8256

<211> 315
 <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

<220>
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 <222> (88)..(88)
 <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> (123)..(123)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (247)..(247)
 <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
 ttcagcnggc agcacggcta ccgggtgtca gtgacatcag gacactggac acaccattcc 300
 ggaagaactg cagct 315

<210> 8257
 <211> 583
 <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> (175)..(175)

<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> (262)..(262)

<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>

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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> (427)..(427)

<223> n is a, c, g, or t

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<222> (444)..(444)

<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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 <222> (468)..(468)
 <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> (487)..(487)
 <223> n is a, c, g, or t

<220>
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 <222> (501)..(501)
 <223> n is a, c, g, or t

<220>
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 <222> (510)..(510)
 <223> n is a, c, g, or t

<220>
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 <222> (514)..(514)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (529)..(529)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (544)..(544)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (556)..(556)
 <223> n is a, c, g, or t

<400> 8257
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 cctctcagtg ctggtaaagg tcgtgcggca nctgtgcaaa caggccccta gcatatccgt 120
 gctgtgtctc agccccagc ccactggcag tgtcctgtgt gcctgccagg tggcncagga 180
 tgccacgccc accttcacng ctgaagcctg ggcactggct gtgtgcagcc acatgggagg 240
 caaggcgtgg ggctccagag tngtagctca ggggactgga cacacnggct gacctggagg 300

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ccgccctcgg gacagcccga gcttacgcac tcanccagnc tctgacgagg accacccagg 360
acacagagga acaagaggca ggcaagcatc tggagccctc atgaaaccac agagctttcc 420
tggaggntcg aggcagagga ccancanncc ggaggccagg tatntgancc aaagaagntc 480
acccggncca ccaggagact ntaagaaacn aanccaact gagaggcanc aacctcaaca 540
gatntgaaga cccggnctgc tggagctggg agcagctaataaaa 583

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<210> 8258
<211> 410
<212> DNA
<213> Mus musculus

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<400> 8258
atcgccgcct gtgaggagat gctgcggcag ctggggccgcc ggcgcccaga accggctggt 60
ggcggggaacg gttcagccaa gtctggagcg ccgccccagc catctgtatc ggccagaggt 120
ggccttccaa aggatgctgg cgatggagcc tcggagtctt gatcataccc tagccgggca 180
ccctgacttc tgtccctttc cagggccagt ggctggactg tgaccaactc ctttactaa 240
aaggggccag tcttcacggg cagttgctgg tacttggccc tcagcctggg atggcaactc 300
tactagcagc tgggttcact cccacgtcgt cctggctgaa ggcagtactg tgctttgaaa 360
tggagccaac aaacatccag tcttgagtac tcggattcag gaagccagca 410

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<210> 8259
<211> 510
<212> DNA
<213> Mus musculus

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<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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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (72)..(73)
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<220>
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 <222> (76)..(76)
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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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 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 gtttttcatt tagtgaagga agtcctttgt caaggcacga 420
 aagcaaaagg gaccagtgga ccaccataaa gtcaaatgcc ttnntggggg gagtntgatg 480

acagtaactc tgaaatcgaa gctgccctac

510

<210> 8260
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ctgctggccg gcacaantgc acggaagagg tactgatcag caagacggaa ggccagcaga 180

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cacaacgaca gtacaaggat tcaagcttgg cctcgtgant catntctggt gntntcttgc 240
tcagctgaac tgaaagcatc taagtggcct gcctttgtgt gcccctgcgc ctgtatagaa 300
gtctgtatTTT ttttgttatt gttgagatTTT attatTTTTT gttacacaat gaccgtttnt 360
cttaatcttg ttctaaaaat aactgcatgt tcaatctggc tgctcaggtc taattctaac 420
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<210> 8261
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<223> n is a, c, g, or t

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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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<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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ccggcncctt ggagcccgnc catcctctct cgatagtggc tcacaccaac cctatTTTgc 180
agccacacnc aattccaaaa cagacagaac ccacgacaga taaaagcact tgctctcaga 240
aatgaggaga ttntctatTTT tctcgatTTT attattcctg catTTtatgca aaggcacata 300
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<210> 8262

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<211> 493
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 <213> Mus musculus

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 <222> (61)..(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> (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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 nnnnntgaga agcctcagaa aaaaggcagc atctccacat ggagccttca ctctggcaag 120
 tccgcctcca attccacgat gtccgctacg gcacctcaag tctctcctgg aagggaacca 180
 aaggcccaaa gctgcagctg aggaggctgg gctgggttct ccaaacttaa ttctgagccc 240
 naatgcctgc tgcagagcga ggcattcctgc ctgcattgaa acagagcctg aagaacaact 300
 ttgctgagcg gcagaaaagg ctgcaagtag tacagagccg ccgcctgcac cgctctgtgc 360
 tgctgagccg gcnccctgga gcccgncat cctctctcga tagtggtca caccaaccct 420
 attttgagc cacacncaat tccaaaacag acagaacca cgacagataa aagcacttgc 480
 tctcagaaat gag 493

<210> 8263
 <211> 213

<212> DNA
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 <222> (151)..(151)
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 ctcccagccc agccattggt gcagggcacc nttgaggcag ctggcagaca ctctcttggt 180
 ctccacccta gcttaattct gagcccaatg cct 213

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 <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

<220>
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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

<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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 ctcccagccc agccattggt gcagggcacc nttgaggcag ctggcagaca ctctcttggt 180
 ctccacccta gcttaattct gagcccaatg cctgctgcag agcgaggcat cctgcctgca 240
 ttgaaacaga gcctgaagaa caacttttng ctgagcggnc agnnaaaagg ctgcaagtag 300
 tacagagccg cngcctgcac cgntctgtgc tgntgagccn gncgccctgg agcccggcna 360
 tcntntntng atantngntc anaccnacc tatttntncan ccacacgcaa ttccaaaaca 420
 gacagaaccc acgacagata 440

<210> 8265
 <211> 485
 <212> DNA
 <213> Mus musculus

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 <222> (196)..(196)
 <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> (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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 <223> 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)..(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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 atccggggagg tcaccatcaa ctgcgcagag agagggctgc tgttgctgcg tgtccggggac 120
 gagatccaca tgaccatcgc tgcctaccag actctgtatg agagcagcgt ggcattttggc 180
 atgaggaagg cactgnaggg cgaacagggg aagtcagaca tggagaggaa aattacagaa 240
 ttggagacag aaaagagggg cntggngagn caagtgaatg aacagaagnc gaaatgcgan 300
 nccaccgaga agcggggagan 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 gccagtgggtg 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
agtgggtgtat ttaagaatac tctttggctg tatttacttc ctctttgttg cactgctctt 240
tggcattgc 249

<210> 8268
<211> 515
<212> DNA
<213> Mus musculus

<400> 8268
gaactctaac aaaagcctct ctggtgaact tagagaggtc aaaaaagacc ttggtcaatt 60
acaagaaaac ctggagggtt cagaaaacat gaatttgcaa ttgaaaacc aattgaataa 120
aacactcaga aacttatcta cagttatgga tgatatccac actgtcctca aaaaggataa 180
tgtaaagagt gaagacagag atgagaaatc caaggagaac ggctcagggtg tatgacacag 240
tgcacttggg gatgagtgtg ttaatagtgt actataaaca aaataatcat gagatgggaa 300
tgtttcacgg cagtgcattg ttgactttag tagtataaac atatatgtta gttcaaataa 360
tgtataaagt tttatgaatg tgagtctgct ttgaaaatt gcctgtaatt tctagcattc 420
aaattattaa atactcactg agtgaagaat ttgcatcgc aaaacctttt aggatgaact 480
ttgttatagt ttccccaata aagttcatca gtgtc 515

<210> 8269
<211> 543
<212> DNA
<213> Mus musculus

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 <223> n is a, c, g, or t

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 gcacagttgg agcagttgtc ttaaacaact gcctaggttg acccccttcc cagaagagtg 120
 agtatacttg caaggaagga gtggcctaaa ggagtgatgc atatgtcata gattcaaggt 180
 tttcagtgtg tgaagtcata cagccctgcc tggacaagtt ccatgagaaa gtagattttc 240
 agtaattttc ttacagatgt tttagttgaa caggtagcac aatctactaa tgttgtttga 300
 tctgtgtttg ttatatgttg tgtaattaat tttttaattc aagaactagc agaaaattta 360
 ttaaattaac tattaacgac attcaccttg taaatttctg tataaaactt gttgacnatg 420
 cactgacttt aggaagacat taatgtacat agagtgtaaa taagatagtg ttgatgtact 480
 gaaatatgaa ctgtataaaa gtattgggtca 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

<400> 8270
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 agatctacct ctggctcagc gcttgccctg ccctaaaaaa acagaagtgc caagggnaga 120
 ncatctcatg cagaaccagg gtgcacttta tgttcctgca caggcagatg atgggtgcctc 180
 ctggaggcctt tgggatcttc ctgtccctat ggtgggttctg aagggagagc tgttcccctg 240

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ttgggtgaaa cccaggtccc ttgccctgga gacctggttt cccaggtcac cccacatacc 300
tgactgcagc ncctcctaaa ctttgggttc cttggtttgg ttataatgca gttctcatta 360
cacaagtgca tttctggcta tcacttgtaa c 391

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<210> 8271
<211> 477
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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<222> (175)..(178)
<223> n is a, c, g, or t

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<220>
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<222> (185)..(185)
<223> n is a, c, g, or t

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<400> 8271
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gtcccccttc ggcccngaga ccgttggcac gaaggcgctt tcaccttcca tgcactttcc 120
atttccccag tggggtgagt cgccctgccc aactcgcagc aaccgcagag ctggnnnnngg 180
cgggncgggg cggggcgggg cggttgtttc atggttatat tgtctggggt tggttaatag 240
cccaggctag ctagcgtcaa gtcgggggga tgtctcctgc ctcagcctcc cgaggactga 300
ggttacagtg tgcgccatca tgcagtcttc tgcacttaat ccactcgttt ccaagacgta 360
tatagaattg ttggacttca ccctttcggt ttctgcaaga atcgcttggt taatattatc 420
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<210> 8272
<211> 519
<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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<220>
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 <222> (117)..(117)
 <223> n is a, c, g, or t

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 <222> (171)..(171)
 <223> n is a, c, g, or t

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 cctgagctcc gagcagttct gcgaaagttc ttcctgcgga taggcctggt gtataanata 120
 tggattccag aagagccgtc gcaagtgcc gacgactgt catcgacctg ngtagcactg 180
 gctgcatggc cactgctgtg gttctgtaga acatccgcc tgccgtccca gctggcggag 240
 ggggagctgc ccacctagct gggtttggac ctggagtgca gtggcgtgaa ccctggtcag 300
 cacagtcccc agcggaggct catggtgtct cattaaacca tcacatacca gtaactcggc 360
 gggcagggag tctgttcccc cgtccttgca ttccgctggc tgacctgtta gacctgtcct 420
 tgtgaatgcc accgtttcct ctaagactgg ccattaatgt ttcgtcggcg gaagtcgctc 480
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<210> 8273
 <211> 511
 <212> DNA
 <213> Mus musculus

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 <222> (55)..(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> (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

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aaccagtgag ataaaaagag agtagatagt tcagcatggc accattggct gttgttagac 240
tagtttcatt ggtgtatgct gtcctttgta atgtcaggac taaaatatct agcaagccac 300
ataaacggtg gcaagtgtgt atattgtttg gtttccattht gtttgttaaa cagccattht 360
acttttccat ggtcatgagt tgaagggaaa ttaagataac gtcctctccc caccaacact 420
attcaactac ctctctatgc ctgatttctt taaaagggtht cccttcttct aaatctgcac 480
aaaaatagtht ccagctcatc tacgttgtaa t 511

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<210> 8274
<211> 501
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<220>
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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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<223> n is a, c, g, or t

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<223> 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

<220>
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 <222> (413)..(413)
 <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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 ttngtaatnc tncgagnntt ccctgtgccg cccacggagg accaggagtg atcactcttc 120
 cntganctgt gtcactctgca cctctgatcc gcttcggaan gatggctcgc ttcctgttag 180
 tagttgccca cgacaggggtt 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 ctctccctt tccagactag cctcatggac agccaggggg ggantcgtga 480
 cggcactgac gtacctagat g 501

<210> 8275
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 <212> DNA
 <213> Mus musculus

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 <222> (186)..(187)
 <223> n is a, c, g, or t

<220>
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 <222> (266)..(266)
 <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> (327)..(327)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (356)..(356)

<223> n is a, c, g, or t

<400> 8275

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gcattttgaa cattgtttgtc cccaaagagc tgaatcttca ggtcgtctct tgtgactgtg 120

agcggagact tgtccggact cctgtcagta ggcagctagc tagcatcctc cttctggcgt 180

ccctgnnttc actgttttct ccttccctta ttgctgcttc ccgctgccag atcacacca 240

tcagctccag ttgccttggc tccacncacc ttgagctcag ggccggatca tgctcgcccg 300

ctcangggca tacccttgtt tttagancca acccatgagg ggagtttgga caactntcac 360

acatgatgtg ttctactgtc aagcaagtgc ctttttgtaa agggaagggc acaaatacagg 420

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ctgttttgag ggttattgga aaacagaaca gtgacagctt cttgtaagta gaaaactata 300
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 actggtggaa ccgnccttgan ttagnaacta caggaggagg cagaaggntc aaccttggcc 360
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 cttggaagtg tacctccatc tggattagtt taactcacag gtactgtcta cttggtacca 240
 tgcagaaact ttcatgcaga atgcaaagag ccacttngan tacacacnga cnaggtttgg 300
 gggacntcc tntctcttna aacttccnga cttagttnac agncctcagt ggttntnttc 360
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 atgctttctg gcagcgagtt tattgccaga ttttaaacag ggagttatgt ggtgcttgtg 240
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 cccntnttgt cctgttannc ccgntatncn anccngtgat aaagggtngc aagggcacca 240
 aaaaatgctg ctntactac tntcagatgc ggtgtgtgga accctggaca accttgactt 300
 gaaatgaaaa accttnttta accaantntt ggaaaataac gacggcattg gctccaactt 360
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 tgtaaacct tccca 195

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 aacaggccca ggagctcctt cacaagtatg ggcacactcg agcttacaga agacactgcc 240
 agagtcggca cacgtgaact tccagaggcc ataaagctgt gccacaccac ccacgacagc 300
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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 ctaaggnaa ctnatataaa cattnacata tgaaattaaa	420
tcaacatacn agatactgaa gagatgaaga ttantctatg nttaagactt ncctttatga	480
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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 caggggaagcc 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
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 cccacacccc agntgggtcct 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
 ctctgtgggac tnttgacaaa ttgagggggg gcnaaggntg acagcctgtc cctactccct 420
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 tttccaatcn agcancaagn ctgaaataaa caccaccgc ctctgccaat tttgggtntg 180
 ctatgccctc acagtcataa cctgtaacaa cttanctatc atgagggagn tgagatcnta 240
 ccgatntnta aaattccacc tacagntngt ggctacggag aactgntnct ggggtggcctg 300
 naaatittnc cgagntntta tatttcctaa taggttttca caggaactaa ttttaatttt 360
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cctggttccn tagcccgctn tagatgacac aagattntgg gagaactctt ccctacccca 180
tcccatccat tcacttcaac caacaaatgc taaaggcact ttatgttctg ggaacaccat 240
cctggcttct gaactgcctg ccactctagc ttcttttcct gccacactgg acagatcctg 300
ggtagantcc taaacagtga ggccaggtat gtccctccag tgtcctgatg ctcagnccac 360
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ccatgtctca gcctcctgag tgctgggatt acaggcttga gccaccagc ccagcttcct 180
ttttgcactc ttggtgttaa cttaaaaatg tcgagttcat ttgcttagaa cttgtngggc 240
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ccactctcca tgtctgtggg actgttcctg aaataacagg gctaagaaac tactagataa 360
gttatagcct gtgggtaatg ccttagtggt atttagataa aatatgtgtc attgatactt 420
aatacatggg aaggaatggt cagaaagaac aaagttttca gggatgtctg tttgctgtga 480
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<400> 8295

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gaagtgaatg gtgctcagtg	gaggtggata	ggctgg	tcct caacnttaaa	tgatgaantc	180
tactcccaaa tatccacca	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	accttc	atgc caaggctgct	ctcaccagct	gctgcagaag	480
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<211> 557

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 ctatgggcg gctgcnacag aggaagaaga ttccttacia ccctcagcaa gtagaaaact 180
 tagaagtccc agaacggagg gtcncagga tcctgagccg gctgaagcag cagaactatg 240
 ctgccaatct gcagagcccc tatgccaggg taccctgcat cccactctgc ccgaggctgg 300
 acaagaaggc antcctcga aagctggcta gccataacca ttcggtgctg gatcagtgtg 360
 tntccacaag cctgggcccct gactttcatg gcctcttctt ccagccagga cagcaaggaa 420
 gcagggaaca tagntctgac agcagaaaagt ggcttagctc catgccagct cgaaccact 480
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 tgggagtttg ctttcat 557

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gggttccgct tttagccact aggtggcacc ncgtcccagt gtccaagaca gacactcca 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

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37

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 tctgtgacct ancnagaann tntcacacgc acagaaccca ctggtgtttt gcttttgagt 180
 tncccagctc tagaactntc ancaatnacc tgtacataa ccatcatcct ntntgtggaa 240
 cttcatctnt naacattaca ttatggagaa gggatcacaa gactccnccc caccctccc 300

caaggattta taggcagcta atgttttgat gcaactactg tctaaattgt a

351

<210> 8300
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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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cctggctatc tggttcttct atttcttcta cctccaggac taactcgata gagtctcctt      180
tccaccagct cagggattgg ctgagggcca ganccttggc cccatcaggc agctgaccag      240
gcntnacctg ttaanttagg gggggatgaa gaccagagc ccggagctgc caccacactt      300
ctgttntcac aagaccatgg ntnttcagtt ttgtnccttc attgagtatg tgacccatt      360
aacaggcaga ggacatntca tntctggaag gcaaagttga agctgcatat tcttggtaga      420
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<212> DNA

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aaaacacaga ctggcagagg aaaggccaga gaagggcagt gagcaagaga ggccccctga      180
ggctgtgagc aagtttgcaa aacggagcaa tgaggaaact gtgatgtcag ctagagacag      240
gtatttggcc agacagatgg cgcgataaa cgcaaagact tatattgaga aagaagatga      300
ctaaggactg cccatatctg gagtcccttg caagcgtaga gcattgtaac tcttgaactt      360
ggtttaagaa agcatacaac tgttcataga acagcgactg gagagtatit tttaaaatat      420
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<210> 8302

<211> 352

<212> DNA

<213> Mus musculus

<400> 8302

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tgatgctttc ttccgggagc tagaagctga gcgcttcaaa gctcggctgc agttggcttc 240
cttccagtac agtaaaaatc ctttcccaag aggccaaact tcataggtga agtttctaga 300
caccttaata tgaacagagc tagacctgag ccagtaaaca gtctaaacca ga 352

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agnctatggc tctggaacac acgaacatac aaaaacttca gtcttattgt gtttgcctg 180
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gcgaaagacc ccgagcccca gaaatggtgc tacttatata ggcctaggga gtgacntgtc 360
cataactgat tggttatgct accagtacct cattaatatg cctcgagcca ggcagtgact 420

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 tggggntntg gcagntnctg gtagtggcac gaggnntntgg aagctgtcac tgggcaacan 300
 ccttgagggg tggcgggggg acttgaaccc aggggtactga ctttgaactt gttggcagct 360
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 tttccagcca gatcaacgag agtctgcgtt gggatgggat tctcaccgac cctgaggcag 240
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 tcaagtgctt ccattccgac ccctgcgtgg aggagagcgt ggagaatctg ccctacctct 360
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 cccaaaggga gaagggacca antctcccag ggccagtgca ccgttcctgg tggagctggg 480
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 aagcttctta atttttaaaa taaaggtatg ggtgagctaa aggtggtgca aaggtcaacc 180
 aactccaatt tcaggaggaa aaccgcaaag tccacttgag caaacatctg atggcaatag 240
 ccccccattc tccaccctc ttaacaacag ccagttagtc tacagcagca tgggtcaagg 300

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acatataaac taagacatct ggcagaaaaa agataacca gccatcctat ttgtcaggtg      360
gttttgcccc tgtgttttggg tcctgcaaat tacagcagaa atgcagtttt aaaaatatta      420
atttgctgac ctgtatggaa ttccccaagc ttgctgtaac caccataaat accctgcacc      480
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 cgggtagtgc tgagtgggtg gatcggggaa gaagggcaca gacagagggc agcacccaga 180
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 tgatcatctc tctcttctc cctccttta cgccgagnct gctattcccc agcaccttcg 300
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 caccacagg aaagtcaagg gcaaaggcaa nttcaagncc agactngnca gcacaccag 420
 ggctgaggca taccccaaga agaggctgan cctccctaatt cccttctctc ttactttggc 480
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tgtcattaaa tctgtagtag taagaaacaa acagacaaac aaaagcatga tttatttgaa      240
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aaaacaatct gaaaatggta tttttccatt atttcctttt atatgactta aaaaacacct      420
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atcagcctgc ttatcccact gcttcccagc gaggacctg agatctccga ggtctcatcc      180
aagtgcctgt ccatcntggt gcagctgtat ggaggcgaga accccgagag cttgtcccca      240
gagaacatgg tgacctttgc caacctctg atgaccaagg aggaccccaa ggaccagaag      300
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cagtntctgg ggaagtgact tgtacgggac gcatgnccca gcgtggagac tgtncaccct 480
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ccacctgagt agatcagttg aagatagctt tctgtcacc atcatctcnc aggctagaaa 240
gagcaagatt ccaaggccag tatcctgggt cagcacagat caaattaatg gctccgcttc 300
acctcagttc ttgcctcggc caccaccagg aaagccacca gtcaggcctg gagtagaagc 360

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caggtaactt catgcttacc atgtgtgtag tgtgtaaggg tgtttcaagt attgctttac 420
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 attcgccant ggaagagaga cnangccntn tccaccaacc caaaggcctt ccgccccanc 420
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tatgtgttca tgcaggtatt agtgtgggtt tagactttga aactggaaag agcaaacaga	240
gatttgatg aattcagttg tggactgtgg ccatgtgtgg tggngagtgg aancgagggg	300
tcccgggagt gggagggcaa agcgggtggg nagaatcnac aaaagagtct ctgcttgnaa	360
atntcatcat taaacctaat acttagtatg ttaacttttn aaattaattg ttcnaaancc	420
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<400> 8315

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aaaatctatc aaaagacaaa agagcaaatt gaggccgagc tgaagttgga atacgagagc	180
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cagatgtggt tttttgtttg ccctacagtt tcagagaggc cattcaaaga tattcatgct      300
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ccnagggact ttnccttat tgaagaggca gnaaactatg attggantcc ttgagaatgc 360
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 aagaaactat agcaaacaaa gcgaaacatn tgcattgcat nccatgaaac aaggcaaaca 480
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nttnnnnata caatgtntcc gncnttttnc ttgatgggca gcggaggaat tcagcttgag 180

gaagccatca cagcaaagta tntggaatat gaagaggatg tgtagcttgg acacccacg 240

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 ccaggccctc attgctacag aggggtgatgt agatgctgct gtggagaaat tgaggaantc 240
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<400> 8327


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tggaacttatt tttttgtctc catttgaaca tcttaacaga gaatttgTTa ctgtttatta      180
aaagaattga gtttgaaagc ataaaaaatc tgctttgcaa tcgtatgaag aaaaacaatg      240
cctttattat cacgtgttaa taagcacaat tcttatagcn aacggtgatg aattctttgt      300
ttctttcatt nncncaata ttttcatatg aacaaaccaa aaatccatgg tgagcagngg      360
cggntncggc tgncccatcc tgtgtntcca gggcactcgg aggatgtgga cgttgacgag      420
tgtgacctgg tgctgtgact ggancaatac tttactttcn tcacgtgtgc ttcnccgtgc      480
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acgaatcaag cgtgctactg aacttcgatt gatgcgga                                158

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<400> 8329

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tagaatactt tctgacactt tgctagaaaa aaaaaattca aagctgtgcc tttgagtcta      180
tactanactg tgtatgtgtg gaaataaaaa aaatgtattn tactttgggn aaatTTTTTn      240
tnaggtatTT ttntcagat ttgnangcna ttntgaggt ttnttagaga tnaacatagg      300
ttttcttnt gtattataag atgcaccaan caattatggt ggacctatta ccctatgggt      360
a                                                                           361

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 cagaatncaa cattccncca nacagntatt aaaggtctta acacaacggg gccttcgggt 180
 cggntgggtga cagtncaaag cacacctacc cgnctactg ggaggacntc ttgctgacac 240
 agacntcnnt ntgaaaaaac tgcctattcg aggaggggcc ttgcagcggg tgaaagtga 300
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 gtggaggctc tagggatttc cagtgcattc ccctcccacc atcaagaagg ttggttcatt 180
 tgtcatattg aataacagta tctcaaagtc cgtcagttgg aaaagtgggtt aaacctatta 240
 tttttctaaa ggaaatttga tgggtgtcatg aataacctga ttgttaaaag gtctttgtttc 300
 ttgagggttt gtcctaagag atttgtgggn tcttttggtt ttgttttgtt tntttntttt 360
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 tgtttctgca tgtgtatacc aaattatatt atctttacgt ttgtctgggg aaaagggttt 180
 taatttgttt tatgtcaaac acctcaataa ctcatc aaaagaaacatgt ttttagtaac 240

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ttttctgtag acnatatggt aagggtggag atanaatgtn anggcttggt ccttgatat 300
tttggctttc attttnaact ggattcccat gtattcatag nanacagttt acttcctctc 360
tatatttcct natctgttnn nttcnnnnnn nntcaccag tntatatgnt ctcctttcct 420
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 ggcataacgg accttggttg nccgagctca gcggtatgca tgttactgag ggaaaaccaa 180
 ctatgggaat ccaagcttta tcggagagtg aacacaagga gcctaggcgg gtggcttctt 240


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cagaggtgag ggntaagagt cagctccaga aggaagcagn cntccctggg gtggaagaag   300
aggntaanta cancccatga ggtgacatnc cncgtgtacct ntgcatggaa gctgatttgn   360
tcattgtctac tgccagagca atnggctgga tgattntgga aggattnttt atttcccttt   420
nttcttgtca cagaattaca catgtatntt cagcttgcta tttcccttct attgcatttt   480
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gataat                                                                    546

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ggcaggggag aaagatggcc aggatgctga agccttcttt ctagtccta catcatggcc 180

tacatgctag gacccgcaaa tgcccaagta cagaaactaa acctgacatt tcattttcac 240

tttctttttt tatttggtgc ttcatcaaat caaccctttc tatagtcaca tctctctcca 300

agaggntnnn canantgcga agcccttagn ccaagcaaca aagcatgnaa aggtgaaaac 360

agcaggcatt tnagctgant ntagntctca agccnaggag gaagtgcatt agtaagctgg 420

atntnttcct tagcacttct tagcacgcac acacactaga accatgcttc tttgggcaca 480

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 tgatgaaggt gatacgtgag gaagaagaag aagaagacgc ctactttgaa caagagagca 180
 gggaggagcc gggggaaagg gagggctctg gctgctggaa caattcnagn aacnactnan 240

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nanatatccc cactccntcc ctnantntgn tggncgatgc tngacaagag acgatgctng      300
acaaggctaa cccattaca gtggattcctt ctttaagtnca ggactgnagc taaacattag      360
gactgaaggt tttntctttt tctttctttt cttttgtttt gatagggctt caccttatag      420
cccaagttgn ccnttgaact gacattcttc ctncctcaac ctcccaaatt gagagttctg      480
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 aaattgttgc aaacacatgg aatgtttttc agccgcttct ttttggctta gttggaacag 180
 aagtatctgt tgaatctctt gaatcaaaaa ccattggcat gtgccttgct accttggggtt 240
 tggcactatc tgttcgaatt ttatccactt ttgtactgat gtcttttgct aacttccggtt 300

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ttaaggagaa agtatttatt gctttatcat ggatccctaa agctacagtc caggctntnt 360
taggacctnt ggntntagaa acancnaagg ntcatggcac cccanttgga aggatacncn 420
gaaggctgtg atgacagtgn ccttcctagc catcctgatt acagntccaa atggagccnt 480
cntnntcggc atantgggac ccaaaatcct tgaacagagt gaggtgacat tccctttgaa 540
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 tacaccctac cttggacctg tatgaaacaa ggctaccgac atgtatcctt nctctccaga 240
 gatggcacta gcctcaatcc agcttccatc tttgtataca cctgcatgca ggaagacctg 300
 gatatggatg agccctgaga aacacagggg aggncccttga 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
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 ttcagagtcc caaatctcta caaaatgaag aagagtgaag agaaagatca ggagagaaac 480
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 gatgntnttg gagaanttcc ttcagaggga acgcacaaaa gaantacagg acaccatntc 480
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 gntactccac aagaactcca ggagttttaa tctgaactgt ttctgattnc aaaatgttta 180
 cgagttnaag acatctttca cactgcatga taatctgcta aaatntcagg gaaacntca 240
 ncanacnaca aagggncat gagcantntn tgcttntatt gntaagcant nctaaatttn 300
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 ggtgcagacc tantggggag tcantccagg acccctgtan tccttggaca ttnttcanta 240
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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ccagagacca tcatgagggtg catgagaacc ggccagcccc agaggaccaa gaccgacggt 120
 ctggaggaga catctcagca gccatcgact ctcgcaagct atcttccaga tcatacagag 180
 cataaggatg ggcatgtgag agggccagga agttgtatgc ggatgccctc ctgctggcag 240
 gtgaaggacc actgaggcct tcagcggntn ntannngnan caannanncn atgnntgata 300
 gaanggaggg cccctntttc ntcccacncc atgntngagn tcagaccaa ttncttntc 360
 acaagacatn tcntgnatc tntntcctcc agcngaaagg antntgntnt tntgttggct 420
 gattggaagt cacgtggggg nnccggggcg cggcnctggc tggctggctg gttccccggg 480
 tttcactgtg gtgtg 495

<210> 8357
 <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

<220>
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<222> (259)..(259)
<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> (270)..(270)
<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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ttatatacctt taggtaatat atgtatatgc tatatatata attatataca tatantgtaa 180
 tctcaattag gcaattttta tagacttcac aaaaatattt taataatcag actgagtgct 240
 cttnttttat aaatttcanc tgntgtttcn atnttanca tnaatattan aatatntttt 300
 atattttatt cattaatata acnacaatcc natcaggnaa agtttctaga aanccaacga 360
 gggtcagtag tttagtntca ttncgtgaat taacttatca tgcatttgct tagttaaant 420
 caaaatttaa tattggttct ttaactgaaa t 451

<210> 8358
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 <212> DNA
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<220>
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 <222> (69)..(69)
 <223> n is a, c, g, or t

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 ttatgcagnc cgcaccagca cttctcttca gcattcagtt tctggggggc tctatttgga 120

caaaggggag caggaagttg ctactaggag cgaaccagag ttatctcagc agcactgaca 180
agagcgcctc ctcatccgt 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 tcagtgcacat 240
gaataactac ggtgacgaag gcaatgctta ctctctgctg ca 282

<210> 8360
<211> 559
<212> DNA
<213> Mus musculus

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<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 aacacctggt 180
cgcccaagga ccgtaaaaac taccagtccc ctgcagtccc ccgttcatga gcagtttctt 240
cagccaaact ttgatgacaa ggaggagaac cttgaaaaca tagagccacc tcagggatca 300
tttgcaaatc tgagtcttag taaatcctca ctctctgaga ctctccagg cactaacact 360
tgcagttctt taaataaaga tgaagaaata atctgcagta ttgttagacc tacacggacc 420
tctcaaagaa gaaagnnnac gctgagttct acaggtgttt gcagtcata 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
 aaccagggc cgctgccgc tgtctcgggc agtgagagcc aggggtgttg ttcttctgcy 240
 ctacctagga agaggagaag cttttgtggg tctaccctca cagatgctaa cagtgccacc 300
 cagccaccag actgcaagag aaaaccctcg ctcaaggag aaagcgctca gctgccctga 360
 gggggctggg cccaggagaa caaaggcagg aacagacaat cccacctggc 410

<210> 8362
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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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 gagtccttga taaggaggaa ccaagacggg atagtaataa agcagaatga agatggcttt 120
 ctgataaaga aggcagagga aggcaaaaag aaaaagaaaa catccaggag ggcatcagca 180
 caccagaaa cagattctga ttccagcgt ccacagaccg gagaggctcc ttctgaaagt 240
 aaaccacccg aagaacaacc agaggagaa 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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ctcttctctt caagtttagca tctactgcc a taaggtagtg tgttcaaaga ctggctactc 120

taggcgtgtg cagctcatgt gcgtgaatgc atgcaatgca gagcacctta atctggctgc	180
tcgttatttg gagcccttaa tgtgtatgta gtagcatnat cacattaagt aacattaaat	240
nttctaattc attactcttc tnacgtatat naacttaaaa acacattttt ntcnaaat	300
aaacattgct gtcacngggg aagntctgag agtantgcta tgcttggact ttaccagggtg	360
agataagacc attttcttaa ttaatgtgtg gaacagggat gctaggaaaa actccatgaa	420
cntcctagca tttgctaaag gctgtattga tggctcaacg tgacgatgta tgcactcaat	480

<210> 8364
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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

<400> 8364

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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 cagctgggtgc aagactgtga gatntttcac ctcccgactt tccagtttta 420

taaaaacgaa gaaaagggtgg gtgaattttc tgggtgccctt gtgggaaaac tcgaaag

477

<210> 8365
<211> 585
<212> DNA
<213> Mus musculus

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<222> (212)..(212)
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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> (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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<223> n is a, c, g, or t

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<222> (483)..(483)

<223> n is a, c, g, or t

<400> 8365

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gtattgcttt ataaatttta tctcccaata aaagctatct atcaaaaacg ctttgaaaat 120

tggttaattac cttgaagata gagtatgtcc atcaaagagt aaanttgtct ctttcttttc 180

atgataaact ttaaacaatgc tagatgtttg antatgcac tgctccaagt taagcatctt 240

ggatttttta tacttgtatt ttccttatgt ttttggtcaa ccataaaaga tgattcnatt 300

tcatngatta gttanatnta atnacttgc ataggtatgc aattanntcc cnaacttttat 360

agttggaaaa catttngatg ctgaacacaa aatagctaag aaagnatgct gaattntggt 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> (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 ttttctgta ggcgaagctc ccatgtcttc tgtgctctgt cccagttggt 240
 actctgaggt gggggtaacg ggcattcctc ctcagggctg gctgttnttc tctctntggg 300
 gctccagtta agctctgtct gacagatggt cgctactgag aggactncat tgatcctaatt 360
 tttcttcttt catggtcata tttttgcttt gttttccaag agtgagaatt ttgtaagctt 420
 ttcttacggt tcaaactggt tttcttaggt cctgtgttca gttcttatat tttnttctct 480
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<210> 8367
 <211> 400
 <212> DNA
 <213> Mus musculus

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<220>
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 <222> (227)..(228)
 <223> 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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<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> (355)..(355)

<223> n is a, c, g, or t

<400> 8367

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atgtaccac tcaagataaa ctggtggttc tgcgcacttc cctacagtgt tctcatcttc 120

gtctatgatg aaatcagaaa acttatcatc cggagacggc ctggtggatg gctggagaag 180

gagacgtact actaactgcc tcagagaaag atcttcanac gacattntc tcacgagagc 240

caggactgag tataacaatg acacctgaga taganctgag caggggcccc tnttntatgg 300

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ggagatggaa taggttgga gaaagaaagc ccagcctgtt 400

<210> 8368
 <211> 333
 <212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <222> (175)..(175)
 <223> n is a, c, g, or t

<220>
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<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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 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)
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gttataaagt acccatgggtt ttaatttaaa aaatgttttag gttgtgtgcg tgcacacatt 180
 catgctacag agcatgtgga gagtcggctc tgctttcctc atgaggacct gctagagggt 240
 ggaactcaag tcacctgctt tgctttttgc ccactgagcg gtttttgtga nccctacatt 300
 taaatttcag actaatacag agtttgttng tatgatgtga agtataacctg taatatnta 360
 ctattttctca agtgatttat tgacttaaga gctcgtatct atctactgat ttgaagtttt 420
 tagcgtttgtg 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 ttgtcttaac tatcctcgct 120
 tcagtgttcc tcataggcac aggggtgaaa 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>
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 <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
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 ntcctagact caacataggg 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 ttgggtatgaa caaataagag taaggaaact 420
 gttattgact ttgtacttat attgaaagca gtaacatcca ggaaacttag gaaaatatgt 480
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 caattatggg gattcatatg caatatttga gatgggttca aaggaaatag gtaaagattt 180
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 ttaagtgggt cattctagac aacgatttct ctgtggatgg tggggagctt ggacccatga 180
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 acaagagnca gnnancnngn gnnnctntnn anganngnnn tgntnaannn nnnagnnagc 240
 cnnnnggaag annngnnncn ngcaggtttc cactgtttgc aacatctttc ctgtttggta 300
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gtaatagacc aggaaacntn ctgtggatnt cattgaaggt gacagtgact ttgaaagggc 420
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cacaggagta gatgacaaca ctaactgntn ttacgagaag cactggccaa gaataccgtg	240
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agttcagcgt caagggatgat gaagagcaga agctaagggtt cgccttcaga atctacgaca	180
tggataatga tggcttcac tccaatgggg agctcttcca ggtgcttaag atgatgggtg	240
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atttccaact tggggatggt tggcatcgat gagttcgctg cagtgattaa cccgcctcag	180
gcctgtatct tggccgttgg gagattccgc cccgtgctga agctgacgga ggatgaagag	240

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ttgtgacttg ctggagatac tgtttttctg ttcccctttt tattctcagg atgatatagt 240
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aagatancca gctcancaat cccccccctt tttttnnaga tagttgactt gatatttatg 360
gtattagga tcaaaccatg tactgaatct tcttgtgtgg ttttgTTTTT ttttttttn 420
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cntttgcnac tggctctcat cacatgctgt cttctcacc cttctccactg 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

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ctgcagctcc aggaggcact gctgaacctc atccagaatg atgacaactt cttgaagcatn 360

atctatgaan cctatntntt naggctgaca caagcancca tgagaaccac gtaaccagct 420

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 gcagtggttt tcctnccttt cccttntcct ttggtcnata gtgatactga cagcaatacn 360
 aagtnaaatc tgtgtatata aaantcctaa gtatgagntn ttaaattgtt tggaatttta 420
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 tgcttttgta atttcaattt tctnatctga atatttataa attattttga atttaattat 240
 ctgacctcat ttaatataca ttgaacaccg atcctgtttg tagcgantct tgtttttata 300
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acatagagnc cgtgatggag aaaancaagg attcagagtt caaagatacc ntaatntntg      420
agacnatgga gaagatcatc cttgaaacca aatccattta aagaagatcc agagctggaa      480
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 ggggccacac ggactttcct ttccttgggt cgtggggcaa ggtctgagtg cccggcggcg 240
 ccggcagctt gcactgttct tggcacgcag gcacnttaag aacntggagg caactcactn 300
 cantccactg gagcctgagg acttccaatt gccctggaga ctatagccan ngntantgtg 360
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 tntatacagn aaagctggcc gtgctgggga tcttgggtgn tgggagagta ggcagtatnt 480
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 ccccgtttcc ggggtgatct taaaacaaaa aataacacga tatttacaac tctcactgga 180
 ttttaacagtg tggattcttg tagaaacttc aaaaggcagg tggcttcccc ccacccccaa 240
 cacacactcc cttttttggg ggcaaacata taccattttg tacatcagcc acgggggtgga 300
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antcaaacac tatcaactga gncctcgta ggggtgtgac ctttgccctg gtgctgccct	480
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ganactctta tgtanaaatn ntnaacngta cgnagacttc aaagtctggn ttccttcaaa 240

actactatac acacacacac acacacacac acacacacac acacacacac acncacacat 300

atatatatatt tagcttngac nnacacnaaa gtggtaataa agaganccct cctcaaccn 360

aaatgtganc cacctgtggc atcccttcct cttnnacaaa ccnacagacn naantctctt 420

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ntntccagca gnatgaggta ccaactgaaa ggaagagggc tantttgggn tcctgagagt   240
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caacgccatc gtatttgaga tagagaaagc cctcaactan tcccaaaagt gtgccttcct	240
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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nnnnnnnnnn nnnnnnanna gnaggngngn gnnntcaag gngggnnagt ngcaaccccc 120

ggagtttcaa nccacagagn ccagantnga cccgcagntn tcagaantnt gggggntntg 180

antcagacaa gatccttcca gatcgccaaa ggaccagaa 219

<210> 8401

<211> 535

<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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 tagtgatctc ctgtggccca gagggcagct ctgaatggaa gccaggatcc ctacaaagat 180
 ctcaaaacaa gatcatctct accacagctg gagggcagtc tgttacattt catctatttg 240
 accatgtgac ggtaagaatt tctgtccagg cctcgcgctg ccaactctgat acaatcaggc 300
 ttgaaatagt aancnacnan ccatacatga tcccanacac agaactctnt caccagagct 360
 ccctgctgaa gagtgantta gtgaaggaag taacccgatn ctgtggagga agcgcagctt 420
 gcacaagaan tcaaaggcaa ggtgattcag gaagagcatc aagaatactn ccagacaaag 480

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535

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 <223> n is a, c, g, or t

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60


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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 ggaggggtggg 420
tgcgccatct tcctttcctg ggtcaggggn cctgggcgga tggtcagggc cccctggggg 480
gtcctgagtg cccagccacc cttgttcatt tttgaacagt gtcccaatca cacaagaaa 540
gacaaacact agggatctgt gcatgcccc 569

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<210> 8403
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<213> Mus musculus

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atccctttgt ttgtctgcta aaactggcca tgaaagaggg agctgccttc aatctgtagt 180
ttaagaagat gccaggggagc atcataaacg gagggctattg 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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<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 gcacccctgcc agtaagagna 240

acnggctgan caaactccn tgcttactca cactttgtta atctataaca agttgctnag 300

ttacgaatgt atgtggcttn gggggaataa tttgttttct tnacctgtac tatctaattgt 360
 tattttcttgt aaaggtattg gaaaacccat tgtattttca taaccattta ctagaagaaa 420
 actaaaacct cagcacattg taattgtata t 451

<210> 8405
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 <212> DNA
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 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
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<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 acccgggtctc cacagtaaaa gttgtgggta aacttctcag tgctttgatg 120

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actntnnnnn nnnannnttt nntnnnnnnn nnnnnnttnn nntntnnnac nnnnaacctn 180
cagtcacaaa tgntggaatn tgctttataa ggcaatagga aaaagacaga agccaaaata 240
caaggattct actcaagcct tctggaaagg actgtgtnnc cnttgannnc atggagcaaa 300
gaattnttag attttctnnc canccctng 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

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<210> 8407
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<212> DNA
<213> Mus musculus

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tcagattctg tttgactga gtgcttgag taagaaggga tgggctactg cttcagcaaa 120
ctggtgatgc agttaatgga agagagtacg tttgtacatt tgaatgccca agttccgtta 180
ccttccaagc aggggaacaa aagtgaaatt ttgttatgac taacaaaatg ttactatgc 240
agccattttg tggcaataag acagat 266

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<210> 8408
<211> 336
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (307)..(307)
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 catgttctcg ccttttttgc tcgagataga ccagcacacc aagaaattct ttctcaggtg 120
 ccgatgttct ctgcgcaatg tttcctataa ggataaagac aatattaaga tgaagatgaa 180
 ccatctggga ggggcaagat gtctttctca ggcccntggg agagaagctc caagaagaga 240
 ggcagctggt gggagaggag acagntcagt tctggtggag atggtgggag agaggacca 300
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<210> 8409
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 <223> n is a, c, g, or t

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 tagcaaggga gctggtcgtg gagtgcggca gagacctctc caccagaag ccctttctgt 120
 gtccccctct gcctcccttc ttccctcctc tttattgaaa ccaatgtgtt cgcagttacc 180
 attttcaccc gtgccactcc ttnttgggnt ctggnttgag catccgtggg cagccacagg 240
 gacntccca gccagcacag gcaaaacagn tgantcccc gtgtgntgcc ctgntgctgc 300
 ccctcagccc agcagcntgg gctcccagtg ctgaggccct ctgttcaggc ntccgcccac 360
 cctgagtgga atggagccat gca 383

<210> 8410
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ccatcccagg agctgttgca ccaattagtc ctcccttcgtt ggaacactgt gtaccaagaa 120
 ctttttagcac cagcttcatt tctttgcaac acctttggaa gactgggtctc accatcttct 180
 ggttcctaca ccactggcac caacacccca ttataagac agcttgggaa acttgtgttt 240
 gtggcgaccc ttgaacttca gtcctatcct taaaccatt attagccgtg gtcctntgga 300
 caggntgcan tccatgntcc aatcttactg cntctntccn tcatgttant tnacacagag 360
 tgatcccctt agatctt 377

<210> 8411
 <211> 342
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tatattttcca gctctagagt caggctcact agccgtaaaa gaaggnaagc ccagcactca 120
 accaaaacag caaatgggtct tcaatctttg ctaattgaaa gactgccaac aagttccaga 180
 ttgaaaagct ctggccagga cctttgtttg caaaaggcaa aaaacacgga nacaccaaga 240
 gttcttcaac attctaagat tctttgggga tcggtaaaga ctaaaagatg aagagctaag 300
 gccagcttgt atgcatcgct gtcaccaag ccttaggctg ag 342

<210> 8412
 <211> 50
 <212> DNA
 <213> Mus musculus

<400> 8412
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<210> 8413
 <211> 175
 <212> DNA
 <213> Mus musculus

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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

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 <223> n is a, c, g, or t

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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> (245)..(245)
 <223> n is a, c, g, or t

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 tttnacattc attcntcttn ggatttgctt tgtgatttng ttgtttgtga tgtngttgtt 180
 gttgtgtaat gtaacagcac tttaaaaggg cgacaactga ctcacgagat ggcgaccatc 240
 ttgancctat ttggggagac ctgtatccgt gacttttggt 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 gcaccccttg 360
 agtgatgttg tggagaactg tgaaaccctg ccaacaggag gaggaggagg aggacactct 420

tccaaataca agtgtgaccc aggatgctgt atcaga

456

<210> 8416
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 <212> DNA
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tagggcagct gccagattca gaggtggcct actcagagaa gttgttccag tttttacagg 180

cctgtgccca agaagaaggg atctttgagt gtgcagaccc aaaccttgct atcagtgag 240

tctggacgtt caaagatctg ggggtacttc aggagatgcc tagccctaca ggaccccagc 300

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 ttactggga acgctattga gccaaatcaa tttttatcgt actatatata tttgtgtact 240
 gctaaaatgt atttgaaagc gtgtaatctt nacttntggt gaatcagagc acctaccaat 300
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 tgnatgagaa nttctnnaat ntntttnta tgggatatat atatatatat atatatannc 420
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 gagaggnata gacatttagn agattttaatt agaatgccca gagagaaagc cnaaagncca 300
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 gtccgaaggc tgtcactact gggaggctga ggtgtccaac tcgtggatgt gcctgggagt 180
 cacctaccgt cgcagccctc cgctgagcgg tcgccccctg cgcaacatcg tctacctgct 240

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 gtgtaaangc ttnnnnctnc gctnagaacc ntagttaang agtcttctac atagtctgct 180
 ttntctcangt gangaccttg tgttaatatt tctctgcaga gtgtgatgcc caaggtgcc 240
 aatccctggc tccagagtcc cgtcgtagga atccccgtac agaaaaaccg ctcaccgtat 300
 ttcagggatc tacggactgc ccgggaaaaa nggatcgaaa gaggaccctt tggagatgac 360
 ccggttttag anccgagcaa atntttcaaa gaagattttt tttccacatc aantntnttt 420
 tcctttngga gaatacagnt cctgtntagg ctggatggnt cntntntntn tccttgacac 480

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aatgctggta gacaaaggaa gccgactgtc tggccccaac ggtctggcct tccaagcatt 180

tgctcaagcc ctgagttctc tgcctaaaac cctggcagag aatgcaggct tagctgcca 240

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ccaagggtta caancagttg ctgagctggt gcagcagctg gtgactgtgg accaaattat 420
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 gccacttatg cgtataaact gccaggacgt gtccttcaag ttctggaaga gagtgctcca 180
 ntgcatttca ccatcatctt cacaggatgg aagctatcag tttgtcctat ggtttatattt 240
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 gctggacaag tagttaccag gtgtgactaa agtatatcct gttgttacat ccattcggct 360
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 ctcttgtttc ttacaggatg tgataggctg catgtgaaag gcctacagaa tgaaggaata 240
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 ttttagttac aaagaggcta gagcatntca gtggcatgat gcttnccaan ccancctag 360
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 nntnntntnn atggactcna agtaattntt aantnngggn ngngnaaagt tttnaantac 240
 tgtgtatnat naaaggacac aacctgtgaa atatgccact ttactgttta agaattcnat 300
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agcacagcag atgnctccac agtagatgca ggaagaccct tgtgtatgta accttgctct	180
gaacatgttc aagacagttt ctcaaagaaa aagacaattc cagctcaaag gttacctgtt	240
tgccatagaa attggtgtct cccctgaagg aagagcgaga nncggtgaag gaaaacatcg	300
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atattgaatt gntgctcctt ttccagccag ccgaaccaga gccaccagag cagggggaga	240
ggaccagggg gatggggaga agagccatcc atgtggctgt ggagcagcaa aggtgggagg	300
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agaatgaatt cagtaagctt cactgtttga ctttacatct cggcatctaa ggaaagctca 300

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atgttgattg atgcccantc tcacccttgg actggtgntc ctgagtgaat gagaattctg 420

nccaccnaaa atcagaggga gcaagccagt aagcagaatt cctcaatggt ttntacttta 480

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gcatgttctt aatcctataa tatgcctaca gatgtgaagt gtnctttgag tatccagtat    360
tcattattct tatcacgtca atgtgacaaa tgatttattg gtttcacgtt tcaggatagt    420
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 aacaagtcca caacctcagt acctctgttg cccaacagtt gtcccttgga tgtatcccat 240
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 ccccgtttag ttgcttaaata tattctatta caggaccaag tcttctatct aaggcactgt 180
 attgcctttg ctgggctcat cgttgtttta acctgaaggc caagagttat gtggactgtg 240
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 gggaagaagc agaagctgaa gaagcaggaa gtggacatca tgagccccgc agccatgctg 180
 aacctgtatt acattgctcn caatgttgcg gncgtccntg tacctgngag gcttcccctg 240
 gccaggggct cccaaaggga aaagggggaa anaataagat ttaggtgata gaattcaaag 300
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 gggaagaagc agaagctgaa gaagcaggaa gtggacatca tgagccccgc agccatgctg 180

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aacctgtatt acattgctcn caatgttgcg gncgtccntg tacctgngag gcttcccctg      240
gccaggggct cccaaaggga aaagggggaa anaataagat ttaggtgata gaattcaaag      300
cacnccttgn tntcaaagaa cagaaagtag gagaatgcat ttaggataan tcaaggactt      360
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cagtgtgcag ccccatggga attaatgcc cagagagaca tgtgaccctg gagaaatggc      180
atgagactcg gaatcacaga tgagcttgtc ccactgtta gatcccaata caagtggcca      240
tgggtcctca tggcgacngn ngggttgtta tggcttgtat ctttccgtan ccttcctcga      300

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gttggctttc acccctatat tccagattct gcccantcta gctgaatata cggtnttggt 360
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 cantntcccc tggacagctg atggcccctg gaccgggaaa ggtccgaaag cgancaaaca 180
 aggataccaa ggacgaagag tgntgagggg ccgtggccca aacntgctag gntccttccn 240
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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
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 ttttccaaaa tacaaggttt cactaaccac ctgggaagct tagagtttta aatataaact 180
 cagacatgcg ctgtaaccga gattaaagtt ttaaatatct actcagacat gcgttgcaac 240
 ccagattcta ggtaaaaaca cctccccnc caacctgagg gaatatTTat tgcagacttt 300
 ttnttcagcn atatnagtgt tnanatagaa gttggacaat tggntcttna aacattnatt 360
 tgtacaaaga atnatatatn aacgtgaaga ttntnatttt aatttactna ccacatnnac 420
 ggtacnaatn atttagaagt catactgtaa ttttgctcga antcnaaggg aggggagaca 480
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 aaaccaccca tcaactggaag 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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 tttgaaattt aattgcaaca ttagttcatg taacttcaga ggggtgtgta acaaccaggg 180
 caactgtcac tgtgttcaag gttggcaacc accaaaatgt ttacaaagag gaaaaggtgg 240
 tagtgtaaac agtggcccta taactaacc tctgaagaga tatcgagcca aaatacatgt 300
 gagtntnaac aagctattaa ttattttagg tgntcgcatt tttnttntng tggctttgat 360

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408

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 ggatgagntg ccacccatag tgnnccgntn ttcccanttn tttcancaca atcagga aaa 180
 taccacagg tgtgccaga gntccagntc caagttgaca atgaccacca agcaagcaca 240
 agantccagn taatttntca gcgcattagg atgcaagaag acactttant ntcagcagat 300
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 aagatggaac caggtgtgcc agaaaagact tgaagacacc tntggagaca tntggggagaa 180

tgcatggtaa aacggcagtg ttagcaaaca gtagctatca ctactactgt ggaatgaaag 240
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 gtgtgcatcc catgggtgac ttctgaggca tggcttacat accttgaaga actgcaaaac 180
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 gggtgactct ccagaaaacc actctggctc tgtggaaagc tctccaggga gcctaaagaa 180
 agaagatgtt tctaatagcc gtgctgaagc cacggccaag gacaagagtc agggagccat 240
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 tttctggaag aggaggagct gaggtctcac catattctag agcgcttgga cgccacatt 180
 gaagaactga aaagagagag tgagaagacg gtgaggcagt tcacagccct cgtgtanccc 240
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 cggcactgag gagtctngca gactggggcac ttgggtatct tctactgcgtt gtgtggagga 360
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aacagaaaca gggcttttctg 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 tgggtgtatcc 420

attngttacc aaggcaattc agtatnttcn tcctntgggc accagcccc cattcattgc 480

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 acactctcca ccactggcca ctccacaaat ttcgtgattg ccatgattct tccctctgnc 240
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gaaatntaaa tattgtacaa tatntcatg tacaagcata cttaatgcac actttatctt 420
 ttattgtaca aagaaatagt gtacnaaaat ctttggtttt tatggagtac acctaccaga 480
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 aaggaggtgg ggaggggtctc actctgtagc cctggctaac ctggaactca ctatgtagtc 240
 taggctagtc ttcagttcag agatctgccg ggtttgcttc aagcactggg attaaaggcg 300
 tgcaccaccn anaccctgct gttttcncac tttttttttt tttttttttt tttttnaagga 360
 aaggnaagag gaaggggagag tgggggggagc atgttggagt aacaagtcct gatatcccct 420
 tcttggncca cccttancnt ntnttcctca ggtcctcaat cccatgtttt cacacttttt 480
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 acgatcagac tatggcgggtg gccaccggag ggggcaccag ctgccacag cccaaccct 240
 tccgctcccc atnncncnnn nnannnnctn ncnnnnnnnn nnncnggtac tgcaacgcct 300
 tcatctttcca tttggtctac aagcntcccc aaggcggcac antccgntcg gntcccggcc 360
 ctgcacctag accccaant cccnntgcac ntcctntccc ggntcgaagn cgccgaggag 420
 aaaagaaagc tgcacgcggg cccnccggc gcagatgaga gcggacttgg canccgtcca 480
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ccccgctgga actgtttgag cctctctcag gcctggtgga tggtagggta ntattttctt 180

cccctcccc accttccata gcagggtgcc ttagangtcc gctagggcta agccctantt 240

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 ccttctcagt gacttntccc tttcttttga acatgggtga ncctanaaat nccnacgggt 480
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catccctgta tccacacaga catgcatgct gtgttagagc cccacatgga aagctctaag 240
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 cctgaatgga gattgatgct gcttntccca gggaccacat cntntctatt cctaaacaac 300
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 tttaatgttt aataggacta atatatttca gcagggtatt ctgagggttag ttagaactcc 240
 tttcatacac acaaataagt ctgttacctt attagaactt cgcccagatg tccagacagc 300
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 gcagagntnt nttcctgtga atggtcagct acggcagcat cgatagcaac agccacagtg 420
 gcagcaccag tggcaggtgc cacagggtcg gcagcgtgaa cctggccagc taggcaggtc 480
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 gtagggacta tgttggccga catntcccgg ttatgtgaac agaaaattct ggctcagaat 480
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 agaaggcctg cgccacagta ccgaatctaa gtgtatacac ccntatcacc aaatatacca 240

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ttcntnttcc tgttttgcag gntgnctgt ccatatccca cantcagggg ggcaacggaa      420
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 tttttcagnt tcaagnccn tggatgatga accaccagtn ccgcatntng ggntccctgc 360
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 aacatacant actcttttat ttttcttttc atagcnaagt aaaacattct tatttctcnt 240
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cntggagtgg agcaaggcac catntcacat ggagtgcgtn tcagtgccct ttcaantcag 240

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 cgagctacag ctccaggcctt gtaccagctc tcagaagatg ctgataactg catcactatg 240
 cacgagaatg gtgctgtaaa gcttctactg gatatggttg ggtccccaga ccaggatntn 300
 caggaagcag ctgctggctg tatatccaat ntccgaagac tngntnttnc tacagaaaag 360
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 aacgggggtg ggggaggttc ctgctctgcc ccagctgggt cctaccagat cttgtcctcc 420
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 aacntgaaga ttgtcctggc cgcgacctga gacctccatg agtggaggga agagtgatnt 180
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 tcttgctctc ccctctctc atctattccc cccncccc tggagacgga agatctttta 420
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 gcnngtgatg ctggagccgc gggctgagac tgaggacggc ttngagcgcc acctgggtgt 180
 gaacttcctg ggccacttcc tgctgacnct gctgctcctn cccgccttgc gcgcgtcagg 240
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 cgtggacatn ggccgacatt cacgggagcc acgcctactc cccgtacgca gcctacgcgc 360
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 gtgaccnngt gacctccaac atggccgacc cgggcgtggt cgacaccgag ctgtaccggc 480
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 cattgacttt actgagctct ttaggatgat gactgattat tcaaaacgta ttataacact 240
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 tagtaccat taatgttaaa gaatattaaa gcatggagag gancatgagg nacaatgaat 360
 tccaacatat ggcttttagaa catcaggatg ttcttgtatt ggatatagta tctagtattc 420
 aaaaatgcct gcatctctta tttattgtaa gtttttaa atgtataaattg tcttatattt 480
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agaananngc cgnncctccc ggtaggctcn gttgaaagnc tggccagtaa gaagcacgcc      180
tttaantcca ctttcccant natntgggaa gctgatgttg gggactntcc accctgctgc      240
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 aagagggncat ctgctctact gatgagcctg gacagctgat gagctcttnt ntcctccttg 360
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 aaaatcaaac gctgtgtagt tcggagaata caaatggaga ctgntntgat gttcagaaag 180
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 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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 agcatgccac aatctgattg ctgacctgga tgaaacagag tgaaataaat gatttacaaa 180

gagatatttta cattcatntn atttgtactt aatgtgccac agtgcaccga aacctcccca 240
 gggagacacc accagggact gcaggggggg ctgntcctca tgccatggtc tgtccctgtg 300
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 gagaaacagc ctcctctcag aatcgactgg agctgcaaag agcaccatag agtcatgact 180
 cactatactg tgacagctgt cctcatcacc aagatccttt tccctcctca ccctgaaata 240
 cgctactgag aagtgaactg aacaggggtt ccaactggaa ctgtatttaa gaataagcaa 300
 atagactgag gtgaaaaaag aatgctaaat aataaaggta ccatatataa catntcctag 360
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 gcaacacaac gtggccatta cctgtgaaaa tttntnccg agatgaaaaa ggagancgtg 360
 ttgatgtttt taaatatttg attaaaaaag gtttggcatt gagagagaga agggcctcct 420
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 ttcaggcgct ctgtcttctc gacacaagga agaacgaagc aagtgtgtgt 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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 ggggnngaata acagaccctn ttntcntntn ccncatntna ggnacatgcc ctganccttg 180
 agcaaagaca aggccaagga gcagcctagt cattaacgtg gttactgtat tcaaagacat 240
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 ttccacaaac ccagttgtnc aatgaaganc ctactaaaaa tntattcagc accaagaata 360
 gaaagatgat accctncctt taaccagtt gattatctga gctatgctgt gtgtgctggc 420
 cacttaacaa acagcgttgt cactgtccat tcttgccnt caatctgtca taggccagtt 480

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 gccacccagg cttgaggaat cactgtacgc taaccaaagg gaaaacctgg cccttgaaga 180
 aaagctagag aacttgcccta 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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gtgactgagc taatttcacc ctccataacc cagttccaca gtgcctgcta gagtatggaa 180
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gctgcttttg agaacagaat gcattcttta ggcgcaccga tgttgagtga ctaccgagt 300
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 tatatatgca tatatattag atatatatat cttaatttga aaaaattttc aaagtggagc 180
 ttagtaattg ttcattaata tttattgttc tttgtgtaat tataatttat agaaagggtt 240
 gtaagttcna gatatngtat tggaaagtgat gatggtnntt tattatgaat tatnaattga 300
 tatatgnatn tgagtcacct tgtatgtgtn aaagaaatac natatgctcc aaatttcnat 360
 actgttactt atatgtttnc atgacaattt ttgtgaacac ctaaatttgt tacaaattga 420
 ctggttctgc ataaataata agatttgtat aattctgatg agcatttgct cttgtatctn 480
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 gcagtccaca tactaattgt tctgttagga tagcataaac atgcatagcc ccaaagggct 180
 tctttcctgt ctaaggaatg gcttgggatt ataacagaat tatttctgac tttaatcatg 240
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 ttttacattc tnttttgtaa tattnttcct taacaccaag gactttgtgc agtgtgcaca 480
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 acaaattata aggagcatcc agattcgagc agaagaggaa acagtaatta ctgacaacgc 180
 tgcatttgaa atactcaaaa agatactacc tttaaaaaac tccagtttct cagggacagg 240
 cttcgtattg tcagctgaaa atctncagna nactgagctg cacaaatggn anggcgagc 300
 agcaatcccc nantccccg ancctctttc acgttcacag gattcagaaa gtggnatat 360

aaatgtgact tctctanaag agacacacaa cacacaaggg gaccaaaanc cagaactatg 420
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 ggcaaagaca cctgactggc tcgtgaccat ggagaatggc tttaggtgta tggcctgctg 180
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 <223> n is a, c, g, or t

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 aatttaactg gtagtttaggt gaattntntc cccaaaggga aaaccttcnt cttttcttgc 120
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<210> 8508
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cgcataaagc 130

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gttcatccac catagtacat accca 85

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<211> 51
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 attccgttgc agctgttntg cccacctgaa ntgtcaggag agagcngaca tannaagtgt 180
 tagcactgtc agtgtgtgta ntntggaaga catttgcac aattcccttg taatttcaga 240
 caaaagcgaa ctaccaagg actggaatcg cccttacttt gttaatagca atcagtcaga 300
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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 tatectgttt tttnanttta ccatgaaatg 360
 gaaatggctg aaantggaca gcantgttgg accatantgg gatttattgg tgattggcct 420
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 agcaagcgat gtctgactca catagaatcc gaaagtggat catcttggag aaggactttt 180
 cgatccaggg tggggagctg ggaccgacat caaaacttaa gagaagtgtg ataaccaga 240
 aatacaaagc acagattgac agcatgtact tgtcataatg actgtgacag gagcgtcctc 300
 ctgtcctcat gcctccaaca gatcagcctc atctcaatgg agaacntnnt cccancnng 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

<210> 8514
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<212> DNA
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 <223> n is a, c, g, or t

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 tcagatntna tntgatcaaa gtaaaagagc caaatagaat ttgtgaagta ctttgaagc 120
 ccctcaacct tcccagagtg gatgggagca gaggaagatt ccacctcagc aaatatatgg 180
 cattgcttgc aataa 195

<210> 8515
 <211> 258
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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aaaggcacca ttacaaagta tatcttttat gatcacattt cttaaagtgt taagattcta    180
tgactcattt ctatgtattt tttttacttt acaaaaataac ttgaaacagt atagattttg    240
taacacttaa tttgagca    258

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 aaaggcacca ttacaaagta tatcttttat gatcacattt cttaaagtgt taagattcta 180
 tgactcattt ctatgtattt tttttacttt acaaaataac ttgaaacagt atagattttg 240
 taacacttaa ttgagcann cttttttttt aatcacattg aattatatca agtgcnatgc 300
 taccttagga aaaatnatat ttingctgctt cantnttnt ncaaaacatt tncgtgaatg 360
 aaggaatttg tatttccaat gtntcttgac ggcattttat aacatttact gctttcttcc 420
 taattctgct ctaaagtatt g 441

<210> 8517
 <211> 405
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aaacactcct caccacgtgc ctacgtttac cttggagaca tccttctgtc aggctgagca 120
 aagtaagaat tttgaanaat aaagctatit tgagtattca gggagaaaaa ctctctggta 180
 ctagtittctc cgacttaaca cagctgatta tgtgcctgag tggggttttt ttttttttnc 240
 tgaagatata catgaaaaaa atgggtctctg atttcaattt caaaaagggtt atgagatgtg 300
 gctcagttgg aagagcgctt gcctggcaca cttggagccc tgtgttccat cccagctac 360
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<210> 8518
 <211> 513
 <212> DNA
 <213> Mus musculus

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 ggtaccaagt atatgactaa gccaaaatca cttctatcat tttgtgcaa gatacactgc 180
 tgggtgcctga aatggagcgg tcagtgtttg ggtgcctgct cttacaccac tggggcagtg 240
 atgtgtgaga agtctaagtc acgtttcgtc tgattgtgac tcataacttg tagactagtc 300
 atgtgcatac agctgtttac atcccatgcc acccactctt catttataca ggcaaagtgc 360
 tgaaccgtgt gcagctagct ctattttaac tgcttggcag ccaggatatc ccttgggaaa 420
 aaccacataa gagccaaacc ctggcctttc cattttaaat atttttattc agtcccttct 480
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<210> 8519
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 <223> n is a, c, g, or t

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cagtgaggac ggtgaaaagc gagaccataa agtcaagtcc agaggagaag acaccggcgc     180
ctccatgaaa caccccaagc atcacaagaa tcgcgcccac tcaagatcat ctagtgagga    240
aagggggctc gggaccaagc accactcacg aggttcccag tcaagaggac atgagcacca    300
ggacaggcag tccagagacc aagagagctg tcacaaggac cgcagccacc ggaagaaaaa    360
gagtttctcat aggcacagag agnccantca taaagatcac tactggaaga agcatgagca    420
agaagataaa ctgaaggagc gagaacagga agaaagacag gacagagaag ggaagaggga    480
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<210> 8520
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gagaagtaac acaaatatat ttcactttgc ataaagcaag gtcaaggaac ttaaccctac 180

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 <223> n is a, c, g, or t

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 cctaaagctg ccctacctaa gaatcacatc ccaagcnnga ctngaccctc atacctgtga 120
 acccagacgg tccagaaaca agnttaccag tgantntggg ctcaggaaca nggtgtntgt 180

gcccttggtg cnggggntat tggattggcc taccnacatc ctnaacantn tccantntgc 240
 ctgaatgatc ctgagggtat cagaaagccc tacactgttg gtacntgggc cccaacatac 300
 tgtgaacgga aatgggcctt ntttcttttc ctataggtta tttgctgaca gttctattaa 360
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<210> 8523
 <211> 509
 <212> DNA
 <213> Mus musculus

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 atgcaaaggc cttaggggat gccctgctag gcttgtccca ggtgatcttc ccagactgcc 180
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 aagaaaggct gctgatactt gtgttcttgc ttagaaccba acttgtttag gtgtcacata 420
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 <223> n is a, c, g, or t

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 ggtgggcggc caggcagctg gaggagccca cgacgaggac nanngatgan gaatgaagac 180
 gggaccnnag acgccccag atcatggcgt ntntgcggaa accgacacat agacgaagga 240
 ccttgtatac agagctatatt tacagaaatt gcgagtggca ccatgggtatt ttttgtggag 300
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 aagcccgtta ccggt 375

<210> 8525
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<212> DNA
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 <223> n is a, c, g, or t

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 ttcaaccaag atgcacaaag agaagatgat cagcggcgga tgtctgaaat tacagggcat 180
 ctaataaaaa tgagattggg tgatctggac cgagtcaagg caaaggaatc aaaggaattt 240
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 agaccttaca gcaggacccc ccctgnacan tgntgacaaa gaaatagcgt gcgaccatct 180

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cgagaagcag aagatggagc tggagcggca ggtggccctg gtgcgacagc agagcgggga    360
nctgagcatn ctgnagnncg aaggtggcgc agacgactgg cctgatggag aagaaggaca    420
gggaactgaa ggtcctcagg gaggcgntca ggtntgggaa gggntccgtg tgacgtgacc    480
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 tanaaatana nnnannnnnn nnnnnantct ttgtttatit tgagataaga gtctctactt 240
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 ccagactggg cttgaactca caganttcta tanatcttna caggcatttn ggctacttgn 360
 atttataca gtttgaacaa ctgaattcta tanataaata taatatttga ttataaata 420
 aatatattta taaatatatn aaatatacc aatgacttat gtttctatta aaagagagag 480
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 tgtgtctgact cacaagccaa ggtctctgag gaaagcctgc gcattctcca gaaaaaactc 300
 caggaaacag aggagaaact ccagaagctg aggaccaaca ttcagacgct cctgcaaattg 360
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 gaagagcagg caggccagga gtcatgcgca caagaccacc agggacaggg cgcagcacct 180
 gcaggaggtg aacatcctgc gcgagaggaa ccatcatatt ttgaagctga cagcggagaa 240
 ggaggagaag tgtcacatca nggncntcaa ngaancntc aagaagaagg aacaaagntt 300
 agcgcagatg acntcaggga aanatcccat nttccnagga gtntcagaag gntcccgcnt 360
 cctccaagat aaaccgctgc tttgaccagg tngcagcaga gccccagctn tccgtgcacc 420
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 gagggttctg gntccacnnc aacgattcca agctgagcat ntncacgatg gaagaagtac 180
 gcaaggccca agcttatntn ttattttata ntcagcgagt tactgagaat ggacattcga 240
 aantcttgcn tcccagantc ctntccaata gccagcacc cagtaaggag actgatgcnt 300
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aattcaccaa gagcagaaaa gggacataaa cacatggatt ttatacagca atntcntcct   240
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 aagtttctgt gcaagntcnt cagccctgag tagccattnt cctgcctgan tttttnttcc 360
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gattccttct tatctctctc tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tggtttcatg   180
gaactctntg ctctttctgt nctcacatct ggatacnata gacgattatg aggattcacc   240
anctcttttg tgtttacctt ttctacatgt taagctctgc agtagctttg aaactgtaat   300
ttatTTTTgt atcacatgca ctatattcag tgacttcctg ttgtatgtat tagaagcact   360
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 caaatggttc cacacacaaa ggaataaata gatggtaaaa caatagttag ttacacagac 180
 catctggaca agctaacagg ctgcatctga cgtccgtcaa cctggccatc ctagaagttc 240
 ctagattgta ntctnttggg acatccttga gaggatagga tnaantcaga ctcatttttc 300

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aaaccaaatt ttaaattgtgt gcctacatgg aagagctttt cttttntcag atattnaact 360
atatcatgcc acatttgncc aacaattcct aacaacattt atgagaatta tgccaagaac 420
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gctggaggag caagtctata aggaactnca gtcnaggac ttttagctag aggaggangn 180
ctgagagcct agactctnag gtgccaactg tctcagtctc taaaacatca actataaaac 240
ctactcagga tgagggagaa ggctaggtga gtctaccttt ccacccggaa ggaagtcttg 300
gaggagggga agcagctcca ttcagccttg ggcactactt caaccaagtg tggcatgagc 360
ggactntctg ttgttnaaac agaacaacaa caacacaatg aaaacgaagc acttttacta 420
aaactggctc acctcatcta ggtagggta cctntcgttg agtttattag acagtttagag 480
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 nnnnnnnnnn nnnnnnnnnn nnnnnntntn nttnanntcn nttnnctnnn nanngaagat 180
 ttgancaaga cantggaacc cnagcctgag gnantccagt ccacgtgaca aggggacaat 240
 gttcaggant ccgagttttt taaaagcctg gaaatcaca cagccgntca gntctgantn 300
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 ccacctgaga gcattccnta gaatncntgc tnttcaaggn tcctttntta gcctcatttt 180
 ttntgntcca gacagctgcn tcagagacat ttgtaaaggg agcanccttg tagaccacta 240
 aaaaaccagg agtggtcnt cccccacatg caaagaccat acagcaccaa taaactttgc 300
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 agtaaactga ccatggtgca tagtggtccc aggtaccctg tgactgatgg gcctagtaca 180
 gggtaaggct gcctcagtca tccttgccac tccaatcaa ggttgctgca gggctttgag 240
 ctcaggaact gatagaaagc cctacagact gggaccacca ctcccacact agcccagacg 300
 ggacacacct cccagttccc accctcaacc tacacagctt ttttgacagc ctggcctggt 360
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 cgagagttcc tggccacgct agaaggaaag ctgcccttat acaacacccg catccttctg 180
 cccnnnnncn nnnncnngnn nnnntnnntn gatgaagagg agagtgagga tgatgaccgt 240
 gatgtggtga cccgcgctgc cttcaagctc cgttcccaga agttaatcga agccccgcagc 300
 aagaagcgca atagggttgcg cagatcttag actcgcagtc aagtcctatc ggatgcctcc 360
 gggactctag ggagccctcc gaccctctgg gtccacctac ggggtggtgtg tgtctgggag 420
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 ctcatgtccg tgggtgtgtg cacgggtgca tatgttngaa ggggtgcctn tccccttggg 240
 gacagaagga aaatgaaagg cccctctgct caccctggcc atttacggga ggctntgctg 300
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 ggcaccatga gaattggagag agagagagca aagaaagaaa cagcctttaa aagaactttc 420
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 tgagatgact cgggtgagt aagactagaa cagaaactgt taactctttt taccaggag 180
 aaaaaggaac actacctgca gtcagaacac aggacctcct ctgggggtgtc aggaaactcc 240
 acaacatcat ccaaaaa 257

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 agactcccct ggccttgctt ccgccccga gtcccaggat agcccggagc ctgtagctac 180
 ggatcaaaac cctgtcaggc cg 202

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 ctaaggcttt gactacttta ttgaataatg aaacctttcg ttgtgtttta aattagagga 180
 gggagccagg ggaatattat tcttttagga agctataaga tctggagata ggtggaggat 240
 ttagattctg taagggttct cttggaagaa gacagcattc atttgtacag ggacataacn 300
 ccnaaatgac attggggaag ttatttcttt tcaatatatt tgatttttgt agagaggcta 360
 tcttttattg gagncagtn cttccnaatg cccctttaag acccctttan agcttcangg 420
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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
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<223> n is a, c, g, or t

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ccccctaggt cattgcctcc aaagtccggc ccaaacgcca agggtcaggc tggcgatgga      180
cctggactgg agtccgtaga gctgcccctg cccctggaga cagaacaccg caacgcgatg      240
gagctggaga aggtgcgcat ggagtttgan ctgacgctcc tcaagtacct gcaccaggag      300

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aacgagcggc agaggcagca tnaggannnt gatggagcag ctgcancagc agcagcagca 360
gcagcaggct ttgcctcncc agttctcagg aagcctccag gacctcttgc tccccagaa 420
ccaattcgcc atgttcttct actgcttcat cttcatccac atcatctacg ttgccaagga 480
g 481

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gtagcagcta acangggggc cagttgcctt tactctatct tctatgatga atacttgtgg 180
agaaactgtg acaaatccat tgatcctaata attttttatt gttggagtct tgtggcttct 240
cgaaataatt tctatttgat tgtacttgtt agaattcata cncnctaggg atatgttaat 300
aaagctaaaa tgcatagtat aatatagaat agcaaaaaaa ntttttgtga acaatttata 360
tagaagagta agttgttttt taagtgttag gccatttctt ttaggaactt aaaatgttat 420
aagagttttt taaacattca atatttttaa ttataagaga catttgttac tagagctaata 480
tatttcgggt gttctaattg gaatattgat ttttcttacc tcatatacct ct 532

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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

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 tcgcgagaaa cgaacacccat aaagaaacca acgggcagtc cagttatagg tggaaattgg 120
 tcccacccgg agtgagagaga gccggcttct gattggccag agaagtgccc ctagaccctc 180
 attggaagaa gtggccgcct ctctttggca tagagctgtg aaggaagagc tcagaaagag 240
 ccatcttcga cagcctggga attatttaaa tgacttacac aatatatattt ttaaatacaca 300
 cctttgcttg ggacacctta tattagaaga ttgaagtacg gncctcncc ttccaaaata 360
 aggatcaaca tgctaaagat caacaaataa gggctcttgg attcccttgc 410

<210> 8555
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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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 attctgtcag aaaaagaaaag tggctcagaa aagaaatgtg ggttcttcga gctgaaaccc 180
 agcaccgcac caaatgctaa gtgaactcgg tgtagaagag ttttcttaga gtcagtctgc 240
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<210> 8556
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<212> DNA
 <213> Mus musculus

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 aaggggatga agaagttaat ccaaagtctg acagctgtgt catctgcttt gaagcctata 180
 agcctaataa aatagttcgg attctcactt gcaaactttt tttccacaag aattgcattg 240
 acccctggat tctagcccac ggcacatgcc 270

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 tacagggttt ggaaaccagc caaactaga atctgcactt gtgactgagc aggggtacgg 180
 acaacagcta acagtctact tgagctgcac tgcggctcag aagatcactt cccggagaaa 240
 attcaccttg gagtccgaca tatctcacct ttggaagcta gaaacaactt ctaatttcct 300
 tcaactggaac aatgggtaaa aagccctctt gtaagctagt gggggccaat cagaccaaatt 360
 gtggcagaat gtagaacacc tggttggtgg gacgggaagt caggatttat tgggttgagg 420
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<223> n is a, c, g, or t

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agctgtantg cgccttanc cgagtga gct ctagccagga tgcttggcac cgccagcccc 120

cntcacctca agcatccacc tagaatccan cnangatntn atntccagct ttantaatag 180
 tgaccttntg gncaagatgg aagattagag ctttaattat gtaaagaanc aaaaagtaat 240
 tgcaataacg atttggaac atga 264

<210> 8559
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 8559
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 gttcagagtg cttcacagct gtgtcccaca cttccccctg tggctctgcag aaccagctc 120
 tcaactgtgt tcatcaaact cctcagtgat ccccatcgat aggcccagca gc 172

<210> 8560
 <211> 118
 <212> DNA
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<400> 8560
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 aagtatgtcc tgctctgctg gagcggctctg ctcccagccg tgatgatgaa tgcaggaa 118

<210> 8561
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 cccctttctt ctganaggga gtgaagggcc ccagcaggct gaccattgca cacacagcgg 180
 agcatagcag acatggcact gacaggtttt gtcgtttacc cctctcccc actnancgtg 240
 tangctngat cctgaagctc acnaccaagn tctggcccct tattcagtca ctgantcatt 300
 cctgagaccg agcaccaagg tctagctatc agaattcagt atttcgacta acctaactaa 360
 cataaccaac cagatcttac cagcacgttc tcgctcactn taagacagag ctcccccttt 420
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ctcaggacag tgggggtggag atactcaagg ccttggagac ctttgtggct caaaatacca      180
ccggccccgt cttctacccg aggcctctacc atctgatggc ctatgtctgc atactaatgg      240
gagacgggca cagctgtgac ttcttctctga acacagcctt ggagctttnt gagacacatg      300
ggaatttgct ggagaaatgt tggctaagcn tgnngcaagga atgntgntan tcagcntccg      360
agttaacngg agatcaatgg cttcagacan tnttgattnt tccatcatgg gataaaattg      420
tatcaggcaa ggtaaccctt caggatgttc aaaagaacaa gtacctgatg agagttaaca      480
ttctggacaa tccttt                                     496

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 cganaccna tccaagtgg tcaatacact ctgtaggtca tngtaggtg tgaatgtgta 180
 tgtatgcatg tataaaacaa canttctaga ggagattatn cactttggan tcatagatac 240
 aggaggagct ggagagggaa gaaggaggca tgggaatgag gtaaataca 289

<210> 8564
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 8564
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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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<223> n is a, c, g, or t

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ggctgcnnct gtnnngtngn tnngggcntg tggntgccgc aactnnaagt aggggactgg 120

ctggtctttg acaacatggg tgnttacacc gtggacacaa agtcctctct tggggggacc 180

caggcccgca gagtcactta tgccatgtcc cggntagcct gggaagcgct tcgagggcag 240

ctgttgccctg cagaagaaga ccaggacgcc gaggggtgtgt gcaaacctct gtcctgcggc 300

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 gccactcgtg taggagttac taagatatatt aggtttgaag acttncaagc tgctntacgt 240
 tcttggcaag aacaagcaaa ggacaagtaa aatganttag cccctntnt cntntaagat 300
 aaagagaatg gaaaaaaant ctgaatntna ttaggggaca aggtagaant ccantccaca 360
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 <212> DNA
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cctattgnta caacacagag ggaggttttt gggtcnctg caatgactca aagctggatg 240
tatgcagtgt cgaggaangt gtgcaaaacc canggcctac attctttttt acanctcgaa 300
gaacagttca gggcagcgca aaactctcag aaccccntct ccaagctnag gtncactcca 360
gcagcnagga cgaacgcaga acatacncat tgccttgact gggaggcaag catcaaaacg 420
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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caacatatcg cagagaaaaa gtatgtggca ggcacaaac 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 gccaaagcacc tgccttaa atctaattg gttccagttc 420
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<210> 8569
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 tgcagcattc tccaacaatt ctccaatcaa aagcaaaaaa gataattgaa acaatgagtt 180
 ctccaaagtt atcaacggta gaagtaagta aagaaaatgt gtcccagcca aaaaaagcca 240
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gccaaataagt agccgagcct ttcacagccc taagaatgag tctccaggaa gcaaaagctg	180
tgggaagctg ccactctcag tgggcaagga aggaaggacc cgtctgtcac aagtgttcaa	240
tggacaggtg ttacataact atttcagtac ttacatatt tcatttgaac ttctcctata	300
gctttggata ttcttgttct tgtntntttg ggctgatntt ttantcacca gnnaatgctt	360
tnttccacat agattttttt ttgtatgcaa tatactatat tcctgnattt ctactgttc	420
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ggcttttttc ttctgaaacc ataagaagta tgtttgtcag tcaaattggtt tcctgagaat	120
gataggaccc catttctata tactgggtata tgaatatctc atgcactaat tattctcagt	180
tttaaaatgt aatagactag taagtcccat aatgaaacgt caaaagaaga tttttgttct	240
gtaatttaga aaaattatta accagtgatn ttagaaatat ttttaacagc actatccttg	300
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<210> 8572

<211> 313

<212> DNA

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 tcaaattaga aggcagaagt taatgagtgt cctgacagag actcgggggg catcgatgtg 180
 aaagacagag atgagggggag gaggggctnt cggaantcnt gggaagttcc tccccgggnc 240
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<210> 8573
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 atgaagccat gangaaaacc nngggtgnac aantcctgag cagatgacnt gccctgaaca 180
 agaagagaat ggaagacca gtntccctga ntntcaaaaa gcantccaag gntcaggctt 240
 taagnccnat tttggtttgc aaaaaccacc caggactngg attagaaaag cgctgggant 300
 cctccaattg ggattntgag ttgggattcc agccgggttt ttgcaggctt 350

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 <213> Mus musculus

<400> 8574
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<210> 8575
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 ncntcccgca tggaagctnt ttgccagct acagtgggga gaggcntcnt ccanntttgc 180
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 aagcagaagc ggcttctggg acttcgcatt catctactat gagtaacaag atggggcaga 180
 gccagctagc attcactcca ccnagtgccn ggaacatggg gtcttcgtgg agtgagggag 240
 agtggggcat gctgggtaac agcgtcctcc gagcaggctg tccttcgagg ctgtgtgggt 300
 gcacacctgt gatgccagcc tcgggaggca gagaaagggg accttcagtt ccnaaggtca 360
 gtgtggctta cacggtgaga ccctgtcccc aagcaaaaca actcttggtc atcctttcag 420
 aaaattcatc tagacctcat gctanagcta tgtactntc cctggggtgc agaaaaaat 480
 gttttncccc cattgcaatt ctcttnttc tgtagtaact gccttggcga ctttctaact 540
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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
 taaatataga ctgatgctga attaaattgt tctccgcct gcccatgctc ccagatgaag 360
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<210> 8578
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gcaaagggac ggggcggaaa cccgcttcgg cgnaaaaaac 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

ctgaacct 428

<210> 8579

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<212> DNA

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 naatattcct aggtcagttt atntataaca aaatggaagc aaccattcaa acatttgagc 180
 tccagaatga agcttctgan tntttgctat ntntnaaact tcaaatacctt agcaantggg 240
 gacatccaaa gtatangtgt ttntaccgat ntagantncc anngcntncc ccagtgatta 300
 cacttagaag agntgggtgca gaagncagtg gctgtgcagc cagaatgtcc aaggatgttt 360
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452

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 ggncccttccc cccccnnnn nnnntttaaa atccagatga gatcatagga naaaggaaac 180

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ctatntaggg gacttcccc cccnnnnna acacttttac cccaagggct ccttgccntc 240
aaaactggag gatatttcag ttactcttaa tgctcatgtg ggtcaaactt ggttttngaa 300
agaggtttaa agccaggcac aaggttagtt tcaaatacta gttaatccaa tttttttcct 360
tttttttttt ttttttgcac agaagctggg aatataggac ctatgtgtga actttatatg 420
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gccctgcagc ttctgccccg tgtccctcag agtctgagtg acgttcatca tatcatctgg 180
acacttgtaa gccatagcag atgcctgtgg tcggccactg tggataatgg ctggatgcag 240
cttgaggcaa agaccaccaa agcctttttc ctctgtgccc cgggaaagca ggaactgatg 300
gacccagagg tgtaagagcc caggggtgggg gcagagggat gtcagtggag caggagtgtg 360

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gctggaacag nccctccctc cagccccctga agtgggttcc gcaaggcagt cgcatggggg 420
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<212> DNA
<213> Mus musculus

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gtgcccactt tgatctctta cctgctggat gaaaattctt ttgcctcagc aagttcgatc 180
tccaaagatc ttcattgagtt tgcactgcag aacttaatgc atattggacc tctgtaccca 240
catgctttca agacggtaat gggggctgct cctgaactga aagcacgact agaaactgct 300
gtccgagcaa gccaggcgag caaagctaaa gccgctgcca ggcagccgc cccaccaca 360
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<210> 8583
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<212> DNA
<213> Mus musculus

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<222> (404)..(406)
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<210> 8584
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gcggagcaag taatgcagag aagaagccag gagtaagggtg gacttatttg agccctggga	180
atgcctgttc cagccctctg aagcccagaa gataccctca ttctccactc cacagaaagc	240
tcggccttct cctgccccca tttcccagga agccttnnat taganagaaa cccaaagacc	300
gaagccgtgg gaccagaag tccaaggata gcaaatgcct a	341

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caaccctgga taaatgatag caacctggaa ccattgaatt tacagctaga tcattgtaga	180
atatcttaaa aagcttagtc tgaccagtct gatatgcatg gacatgcttt ctcatgttaa	240
ccagttagaa tttgatgtag tcattgcac tgataaaaaac caaacccatt ttgctaata	300
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 tcctttggac tgaggaagaa ggagaaggtg acctgtcggt tgtgggaaga ggaacggaaa 180
 gccatcaagg tccctcagag ggggctgagg aggtccagca ttggtgtcag tttgtgaaga 240
 tcatgcagaa ccatgccaga aggggtgaggg gtctgcactn catgttgaga actgtaggtc 300
 ctcgaggcaa gaagtggatg gaggtgtctc aggcatacaag aggagaccct gagggaaaga 360
 ggaggtcggc ctgcagagaa gctttgcatt ttgttgtttg tctacttggt aagtgtggng 420
 aatggctttc ccatggggcc agagcccagag cagtagactc gaccacactt tttatcttct 480
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 aattcttttag atatcttttg agttaccagg cacaaacatt atgcccacac agtgtatggg 180
 tggcaagaga tggcacaata tcagtattga cctctgactt cctaaggaag tggcgcctcc 240
 cacacagttg aggtnggtgg ttctcaaacg tatcaaactc agctcctgtt ttgtttttct 300
 gagacaaggt gtcattgtggc ccaagctgnc ctcaaactca ctatatatcc aaggatgacc 360
 ttgaattttc tgattttttct gttttcattt gcctccctaa gtctgggata atagctgtgt 420
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 cgcccgtaac cacggctgtg ggcaagggac ccccaaccct ggggaaccgc tgggagggcgn 180
 aactccagga gccganctgc ggngtgaccn ggcgcccntc caagacaggc cgcgntnctc 240
 tgggtncctt gctcggtgcc gaattntntg atnctccgag cncctttgtgg ttgcntncag 300
 accgttgctt caatcataaa ntctgcagtt ctgaatgaat atttttggac tccataaggc 360
 tggcttctgg actttggnc aaggacaggct natgatttat agttagtggt aatatttttt 420
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 ntaaaatntc tgaaacaagt acaccctagc ttttttcgat gtgaaatggt ttaatnttnt 180
 ctatatattat gtantccttt agaaattatt agctgcaatg tatgaaaaga ctagtt 236

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 ggggacggca acttcggtac agctatcgca aagagacaac ttccacatca gtttccagtg 180
 cagcatccca ggcaccgacc tgaaggggtca caaaacaggc ttctgntgag actcgcccat 240
 ctgtttgttg ctccagctgc cacagctcca tttctgcttc attctcagat gcgctcacat 300
 gtttctccct ccctccncca gctgtgtgtt ggtctggtcc cagccccacc ccttgtcagg 360
 tcagtgttat ctagaactga gtggcaggac acctgttcta accatcaaag cctttggccc 420
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cagttggcag caatctcttt nagaaaatga cactcatctg agtaatgaat agcaagaagc 180

cagtcatgcc acaactagnt ggtggggcat tgcngggaga agagacngca agtacaagag 240

tgccnaggn agatancctt ggtcanttan angagactat tagantntnn aacancctgg 300

gtaatggctc agtntgaacc tgangacttg atttcaatcc ccaccccacc cccaagctg 360

acanaaaggt gaaaagagaa tcaactccac aaagtnttcc tntaccctgg taccacaat 420

cctacagaga tggatgatgaa cccagaggc t 451

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<211> 312

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<213> Mus musculus

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acccttcttg tccttctaga ttaattttta gtgttggact atagtctttt tcccttttaa 120

actgagcagt aattgagact ttctgataac cagactgccg gacctctttc tgtcacacct 180

ctgctctgtg catgttcacc ctgcccttcc accagcataa gaaagtgcac ggctcctgca 240
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 agcctacacc tggtatcacc ctctgtctga gcacaccatg cgcgccttgt gctcatctac 180
 agagagccag gggactcaag actgctgctc caagctgccg acgcaatagc caccacatgc 240

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agtgtgccat ttcccaagag ctgagaaaca ggagaacctt ggctttctgc tcataatctg      300
gttcttgtgc ccgggtgcag gtttcntcg tntgggaaga acggagtaac gantctcaca      360
cagaaaaaan tcttgagaac acctgtggc gcaccagtg taactgttac ggtaggtgac      420
cctcacaacg gtaccatcag aactgcttnt gcaagccttt gctagggact ncccaggtgc      480
tctgtatgga gctgggaagc atggcctgct tgctgatgaa                          520

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 agaaaaataa attcttgcct catatttcct cacctgaaac atggaacgca acgttgtaat 180
 ttcgaggcct gggttttatg tgaaggctgt ctttaaggga tacagccata acaatttggg 240
 ctgcatagca gacgcntntn agactnnnca agtatntatt nagangtgtg cntttntaaa 300
 tcaacaaagg aactgagtgg gaccntnnna gattncntn cnaggaaggt accttntnt 360
 caatgatagc tgggacatcg agcctntatg ttctggaaga gtntntgtnt nagatggccg 420
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 tatgctg 487

<210> 8595
 <211> 237
 <212> DNA
 <213> Mus musculus

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 ttacaaatat tgaaagtact taaagacagt ggttgtacta gattagatta ccaaggatcg 180
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<210> 8596
 <211> 472
 <212> DNA
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<223> n is a, c, g, or t

<400> 8596

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ttccagtgtg accttttgac ctggtattcn tcggtgtgtt cctgcaatac aatctccaat      180
cagacttttta aggcccagac tgcttcaggc aacattgaaa agtggcataa tacaaaattt      240
acttctagat tgtttgaaac tatngttgtt acttggaaga agaaagtgtt aaaagtccat      300
ttttcttggtt gaaagttaat caacttgagt aaacctttat agattggtgc tggtttacct      360
agtgaaatgg ctttgatctt ggttacctga gcctattggt gatttcattc tatctgtgtc      420
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<400> 8597

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tcatccaaga caatgtgaat nggcacagct ccagtgagga tgccagtgcc tgtatgcagc      180
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ttgtcatctg gaagatccga gaagacgcca agaccaagcc aagactccca cccaacacta 240
 ccataccatc ccccttcttc caanccttgc tgccttagc cggaatccct ta 292

<210> 8598
 <211> 109
 <212> DNA
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<400> 8598
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 cgcagagcat gaggaactgg tgtctgtgcc agatttgac ctgcggctc 109

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 nnatatnnac ntgacctatn cactctgntc ctngattttc cnagtatntt ggaccctgca 180
 taggacnaaa tcacttcanc actttccagc acntcctttg cancagacat tgctgagtnt 240
 catgatnttt ctgacttttag agtttcctag acatggagga ctagaggagc tgtctaacca 300
 ggatgcttca c 311

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<212> DNA
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 taaaaatcat cttacacggc acccactcga aagtgaacac taggaagtct ttacacgcct 180
 caggtcaatg atgcccgta tacagaggag gaagttgagt gtctaaagga agatcactgg 240
 caaatggtgg agcaggtgat aacctaaacc caggccagca tctcttcaa gcttgctctc 300
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 agacctgatt tcattctcca ctctggggag cgcataaagc gtctgaagtt acttgtccag 180
 gagaggaagc tccagagcct gttccagagt gagcgggagg nctctgttcn actcagcgag 240
 gccctgccc aggagagtcc tcctggctgt ccagaagaac aagcctattg gaaagaagga 300
 aatgattcag aggaccagac gaatttatga gcagcttcca gaagtgaaga agaagagaga 360
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 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
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 ctacgacaac cagctgaagc agcagaagct gttgaacatc tccaagcagc aagctgagca 180
 gatctcaatc ctgcaggctg aagttgaaag antcaggatg aagacattcc ctgctctcat 240
 cccaatgtag agcagaaagc acacaatgcc caactaatgt cccttgaata gaatcacttg 300
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 ctttgctaca ttttgaaagg tgcattaatt ctgacattga gggttttggt tttccaaata 180
 atagctttca aagtaaaatg gtgctgcatg ttataacttt atatgatggt gtagtgcata 240
 taagctatga gaatcagtta tacatgtatt agagtcagtt atacatgtat tatctattct 300
 aagtctcaac aaaatgttca accagacnag natgtaattt tctctttagn atnccaaatg 360
 tgcttttagac nacaatgcna aagtttaaaa gactatttca cttatgtcat ttctgacaca 420
 actagaatac ttaaacttta tcttcttgca aattgcttgt atgaagatgc tctttccagt 480
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ctcaggtcat ccctcacact cagtcttgcc ctgctggctc atcaagtcac ggggcccttt 180

ccaaagaagc catacagggg ctggagaaga agctgcagag agagatggct accctccagg 240

ccctcggtgc gtgcatgaag agctcgcttg ggatnccaga tncaccagac cccacccgtg 300

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nntccctttg gcaggaagag atgccagaag taaaaaagga aggcttggtgta acgccctgga 360
ccacccggag ctgcggtaag ggcgancctg cagatanncc ctgggctggc tggtcaggtg 420
gccaggggggn cctcccgtgg ncntntttcca ccncctagct tgagcttgnt nttgcagagg 480
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ctccctggtn ccagaaacgg gaagccagtc tctccgtgac agcatagagt acaatataag 180
agattctatt gagcccaagg atagaaataa ggatgttccc atgggtgatag ctgaggagtc 240
gatgtctgac attgtggctg attntgaagt gacaaatacc acgctcaatg ccgtgacttt 300
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 ctaaaggccc agccttcaaa aatcattccc cagaggtggg catttcagaa agagcagtgc 120
 gaggacaaac aggaaccacc aggaggaaga cattattnct gctcttcctt gattctggat 180
 tatcagtgat gtggaggcaa acaaatcctt ggttctatta tcatgtttgt ttagtttgaa 240
 tctctgtcat aaaggtttac agctgatacc aaacacactc aatgccctnt gcacccatg 300
 actcaggagg tcatgttttt tggtttttgg gtttttttgt ttgtttgntt tgggnnnntt 360
 tttttttttt tggctgttta ctgtaaatta aaggagaaaa gttactccat gagtataccc 420
 taccttttca ttgtgaaaat tticagacat gaatatgtat tgaactaatc tgcccaagta 480
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 tatgccctcc agttccacgt cccagctgag atcatcgtcc cctatgtcgt ctcaagagtg 180
 tctgagaact gggctctgtt cgtagacctg actgtccgca cagccttggt ctgcctgacc 240
 tgttttctcag ccgtcctcat cccccgcctg gacctgggtca tctccctggt gggctctgtg 300
 agcagtagcn ccttggccat cntcatcccn ccnctgctgg agattgccac attttantct 360
 gagaacataa gctgtgccac cattntcaag gacatcatga tcagcatcct gggcctntta 420
 ggggtgtgtac ttgggacata ccaagccctg tacgaga 457

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 tttgactgag tttgcaggac attggccata cctgagagag ctcttggtca gttctaactc 180
 ctaaacacac catgcacttc cagaacttgg caagcctctg gataactgct aactcctgct 240
 cttccagctg aggttgcatt ggtcactact gttgagtttc tgcaagctaa attcagctga 300

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ggctgntcag cactgatctc ccatgctcaa ggccaactct agaggaagca gaacactcac    360
actctcctcc ccctctgcca tttcttgcaa aataaatntc tgactcttga ccgctagatt    420
act                                                                    423

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cagcaggagc gctgggaatt ctgggcaggg gtgggggtgag gatacacccc cgttaagggg 120

aagggatacc taaagagcat gctggtgggg attctcttat ccggagaacg gagaactggc 180

tgccactccc ttattcatag caaatggaat tcttggggccg gcaccttgcc cggaaactca 240

acatcaacta ctttgactan ntggcctcct cctatnntnn atntantccg cactggcca 300

ctgggggcnt cctttanccc nggcattgtg cagcgaaaaa cacaagtnta cantaagtca 360

agtntcaacg acctggatgt gtaaccctgg ggcctgagcc ctggcntcct tttgcntacc 420

ctgtgtccct tntccccatc ctggagggac taacagccag ccccg 466

<210> 8612

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 ccctgtctag gggaggctgg gttctccagc aagaaggcgg atcctccaca ccagcccttg 180
 tgagctacat gaggagggag ggnagacagc aggaacttcc ttgaggctgg aaatggagcc 240
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<210> 8613
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 tggcgtgtga actatgatgg agctnttnaa actgttagtn ccattnctgg agtcagnnnn 180
 nnnntnatn ggggcagggg tgctgagccc nttnatgnt tctntttatn ctccaatgat 240
 tattntnttt ggacaacttg acgctgggta acttaacagc aacaagtntt gaagaagcca 300
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 ctctctctct ccctctctca ggcnagttt cacatanccc aggctgacct ggaattttca 180
 caangtgacc gagaataacc ttgagctttt gatcctcctg tttctaatacc caagtgtctgg 240
 gatcacaggt gtgtgctggag acacttgatt tacttggtgc tgggaatnaa acccaaggct 300
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<210> 8615
 <211> 44
 <212> DNA
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<400> 8615
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<210> 8616
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 nnacgtnttg acccaacgcg atgcctgtgg tgaaggcgac ccccgcgagg agcagccgcg 180
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 tcatcccgga ccacagtga ggcgtttag aaacggactc cattttnaga agcagctgta 180
 natagtattc tagagtntta atagcagccg tcctcctcca gaccctgccc cggaccagtt 240
 acactctctc ccagcaaagc aaatggaaac gntcccgtc tgtctccagc ctgcttggtc 300
 ctccatcaca gggttatcctt tctantctca ncctgttctt ttgaagagcn atacangtcn 360
 tcatggctgc ggggagaccc ntcagtacac ccacctctnt ctagaaagca ntccnatagg 420
 ccctccacat ttcaagtgtt acgaaagtgc ttacggccat tgttggtcgt tnatttgttt 480
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 aantataagt atttgttatg tatgatntgc gtgcatgcat nttcagaaga cgacttttat 240
 aaaggggtccg gggatggaan tntagcttgc aggatcntnt gattncaggt accatacaaa 300
 gatgtttaca agaaatgcag aggtaaaaca gctgntccga aagccaacct tttgtgtcct 360
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 ctgtgtgtca aagatgtgac cccgaacctg cagagctgcc agcggcaact caacagccga 180


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gggactttcc agtgtaaagc ggacgtcttc ttgtcgctgc acgagactga ttgccagagc   240
acctgagccc tgaaccccaa ccctgcggcc ggtgactctc cccaaccccc atatgcccag   300
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aatgacttgt ggcggggcnc gggcactgcc aaaaggatgc caacagcctg acgctagggg   180
ctcaggggag ccnaggcccg gatactactt cctcttgtcc attgtccgtt aggattttnt   240
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ntcccccggtt ttcggcgaga cgtagctgta                                330

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 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
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 cctgcntctg aggccacaaa catcagtgac acggacacta ccaccagtgt attgattntg 180
 tcacntcgag ttntcagatt tntctntcaa cctggggggct ttntgntcct ctagaaatgc 240
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attccatgca ttctccaata tcgtagactt tatttaataa taaataaaaa gatcaaaatt 240
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gtatgtatatt gttttctttt tttgtgtgtg tgtgtgtatg tgtgtgacag agagtgacag 360
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gattatatatt attaacagtt aattntacag ctgtggaata tantcccaac tgtagtataa 480
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 tgccaccggt tgatgatcct gcaacgcgac tctttccata gtctgggtac taaagcatgc 180
 tgcgtctttt tcaaaagcaa naanacaaaa cctattttta gaaatgtaaa tattttattac 240
 cnancaactn ggaaaatgga atgtatttta ttgtcatgnt tgaattttaga ctgtaaactg 300
 gtatttngtt taggattgaa acataatgac acccgccagt aacaaaaagg aatntagact 360
 ctcatgtcat ttgtatacct gtggatctgc cctgtatngt taattctatt ttacaaaata 420
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aacgggcgaa actgatggta atgatggatg tggcggaggt gaggaggtgc gcagtgggaa 420
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 ttacaggcag ttcattattg agccattca caagcctcct gaaaaacaga agaaaaatta 180
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cgacctgatt ataagtgggg ctactgttcc aacacagtgg tttatgcgta caccagaccc 240
gatcgctccg aatactgtgt tgtgttctgg gacacaaana acagtgagaa atacnttaaa 300
tanntgnaga ncttcatttc tntcaccacg nntngagatt tntgcatttn ggntacanaa 360
gctgatgaga atcacctca gnttntgctt ntcttttncattctatttg cacacccttg 420
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 nnnnnctnnn ntntnnnnna nnnnnnnnt ttntnnctt ngncnagggt gtcaagaaaa 120
 attgtaacca gatgaaatct ggtcagttat tacctgagac accttttcag ttcatacccc 180
 caaatacatt gaaccttcgt agtttcacca agatcatgaa gagactggct gaactgcacc 240
 cagacatcag cagagatcac attatagagg ctcttcagga agtgaggata aatcataaag 300
 gttttctgaa cggtttgtcc atcaatacca ttgtaaaaat ggcttctnt tttcngagaa 360
 actctgcttt gaaataaatg aagcaatata gagaangtnt ttggaaagta tgaggaccct 420
 tcttcagagg aantntaca gcaatttgga aaaagctgag ggtaatacaa tcagacagct 480
 ttgtanttgg acctaacct ttaagtattn tgatagtcct ttaaaagctg gtgaca 536

<210> 8632
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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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 <222> (111)..(111)
 <223> n is a, c, g, or t

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 gtcctcacga gctgctggga caccacagtt ctactttcac acaagaaagc tccttactca 180
 cagggttcat ctcttactag tgtttatctg ttcagagtgg atgaccagct cttacagaag 240
 aaccgacagg cccagccca ccgccagctg tccacaggta cccttcagca ttcaagtcct 300
 tataaagagc ag 312

<210> 8633
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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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 gccgggcagc agaggattat ggtctaaacc tggactatag tgaggtctgg ctctataaaa 120
 gagctgaaag gcttgtcttg cagccacggg cagtgcctga actgaccncc agatggcagc 180
 ctgttcctag ctttaaggcct ctncataac 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
 atacccttc tccactttag caagaaagca tatacccttg ttccacagg 469

<210> 8634
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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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 gtatggttgt ggtactgcag atgcctttcc aaaaaggaag atcggaatg gcttgtgttt 120

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acttcattggc acaatatcat gtacttccct gatgtgaggg agtctcaggc agacatagtg      180
cagggtttcag cttgcatgta tccatcacag agcaagggaa tggccatcca ttctaaggaa      240
aagtattctg tcccctatgg tgctgtaccg tcatgctaatt tgttcacaca ctgtaacatc      300
acacctccaa atgcaaaatc gaagcacggg attcatgtaa aaacagagag tgccaaactg      360
ctgttaaaac atttaaaaat atgtttattg taaatcttta ttgcacaaaa gaggctgata      420
atccttcatg tat                                                                433

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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 nttccccga tgactgagac cttggcgttc agagacccta 420
 cggttacagc ag 432

<210> 8636
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 8636
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 cttatgctga gcacgaagat gccagttatg ttcgaccgga aggagtcagt ggcgcatcag 120
 gactgggtca gcctgcgctg gtttgtaacc atccagccgg cagcaccaga gcagtatgaa 180
 ctgcgcttca agc 193

<210> 8637
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 8637
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 tcaactctct caccacagta agcttgttcc tggaggagcc ataaggagtg aatgtcaggt 120
 cctaaaacta aagagattaa aaaaaaagtc tgaatatagg atatttgatg aactttataa 180
 agctacttat ttcagtatgc aatgttttaa tgcctatggc ctagtcttca aaagaaactt 240
 tattgtgtta taaactgtgc gggtaatact tgttatttaa atgtcagaaa attaattgct 300
 tttccactta tagaacatct caagtgtttt gatatgttag tacgagaaga actttaatac 360
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423

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 <212> DNA
 <213> Mus musculus

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 gtctgctgag aataaactac gcctcagga ctcctgtgtt ccaggctacc ttgtagttca 180
 tcagccacag gcatgagccc gaactgaact ttaagaaata agtttgatca gcaccttgct 240
 tccctttggc ttggcttctg tgataacca cgaggccaag actcagccta aagccagtga 300
 gatgagaaga attgctctgt cacattttgg agaaggggtgt ctgctgcttc cagccagacc 360
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<210> 8639
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 <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> (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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 ttttacataa caactcacca ttttatttct gtcgccactg gcttcttagg taagtttggt 120

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tcctttccac agctagaaag tcgtncatat tccattgctt ttcttccatc tatcttaggt 180
cttaatcatt tttcttcgta agagggatca gcatagtgat agggactcat aggtaacctg 240
cagcagagac agggcggggc 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

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<210> 8640
<211> 465
<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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tccaacgtgt caggcctcac tccatcccat tggctgggtc agccagggcc tggtagtaaa 180
tgagacaagc atgaatcttt gtaacatatt tggaattttt gagaaaaaat tctctgcata 240
gaaagaaaaat aaactagagg gcaaagtcct ggtctagttt cagttaagcc aggaagagag 300
gatacagctt ttgccagagg aagccaagag aacaactgct gagcaagaaa tgctgaaata 360
acttaggcgt gccaacagtt caagagacgt cactcttaat gtctcagtga tctgtggtga 420
gagcaagatg cttgcatgtc gcttttgatt aaacctatgc ctggtt 465

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<210> 8641
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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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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 atttgtcagg atactggcag tccagttcag tagtgacagg gtaccaaaca ggaatcagca 180
 gcaatggcat gatccaaaga aactgccaga tctctgttga atgnnnnnn ntcagcaggn 240
 ntaccagnat nanccnggag gccaggagaa gttntcgnct gtgcctctct caatgaatgg 300
 aagatcaatg aagatgcaag accaaggcag aggtgcaaag ttagctatnc aagcatcatt 360
 acctnccatt gaatctaatt tatantctct ccnnacatca catgtcctac cacaggactt 420
 gcctcncaaa acaccacatg antctgtatc acctgacata tccagaaatt tccacttcag 480
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<210> 8642
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 <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> (237)..(237)
 <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> (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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 <222> (345)..(345)
 <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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 <222> (395)..(395)
 <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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 ttacgatgaa cgagatagag gagaaggaag tggatgaatt caactccagc ggtctcaagt 120
 gtcccacatg cttcaccgtg aaggggagag agtgcagtcc agagctcaag tggtgttcca 180
 cggacaagat aaagtgtgtg gagctctccg gcatcataaa cacaggtgtc nacaantcc 240
 ccattcanct gatgaaatgc ataaccatag nacagtcaa agacacagcg acggnttata 300
 tgggttttac aatcagtaac aaaagtgaaa tctgtaagtc agccttcaga aacggggcca 360
 gagtcagacc cccaaccccc atntnttttg ttntnttctt gaagaaactg nttcactgag 420
 cagctgcaga ggctcagcca cc 442

<210> 8643

<211> 391
 <212> DNA
 <213> Mus musculus

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 <222> (73)..(73)
 <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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 <222> (101)..(101)
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<220>
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 <222> (139)..(139)
 <223> n is a, c, g, or t

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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 aagggtgag gagacaagct ctgctattcc 300
 cagggccaga tccaagcaat aataggaggt gagggccaga ggacactcag ggacactgtc 360
 aggggctgga gccccagaag gtagtgtttt c 391

<210> 8644
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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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 t 121

<210> 8645
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 <212> DNA
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<220>
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 <222> (46)..(46)
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<220>
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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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 acaaattact atctgtntcc ttntgatggt gggcagattg aagtggaaaa gaccagggtt 120
 gaacgagggt caactttcat caaa 144

<210> 8646
 <211> 450
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (318)..(318)
 <223> n is a, c, g, or t

<220>
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 gaccttacag gttgcgcat ggttcaggaa atcaaatgtt acaggcatca aaaagtttga 180
 tatgaaaact gttaatgcat gactttgcaa gtgaaagcca acagtagatt ttagtgtaa 240
 acttttaciaa actctgtgca gctgtttcag tattttgaat ataaagaaaa gattttgtgt 300
 tatgaacatc agtcagtnta atctttccat agactattcc tggttctggg tgttctagat 360
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ccagtgaagct ctcaataggc taattgtaac agactacaaa caaattacga gcatcgtaaa 180
acccgttgac tcttgaggtt tccaggtgtc tttgaagagt gtagaagcca tttgagcagc 240
acttaggttt aaaattggga tttggacctt taatgggaag acnccaaact ggtgttaaca 300
cgcttgaggc atcatncctg tcttagtgta atttttttgt tgtttttaaaa tacttctgtg 360
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tagttacttt catggctgaa atttgcacca acatgtgata gcattacgtt atcttggaaa 180
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gactggtaca gttccgtgat gctgcccata gatgtccctg cccactgga ggacttacca 180

gaagaagaca gactggaaac tactgagcga gatctctgtg atcagggcat agaagtcagt 240

ctgacgccag aaatggtcca agtggaattc cccatgctga ttcacaggga ctccaagaag 300

gagaaggatt tcaaagactc caccagttta ccagaaaagg tgganagaaan ggtncaggag 360

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ctgtgaatca aactaagag caccggangg nnnngnnnn nnnngntnnn nnnannntn 180

nagagaccct gggagaagga cancaacaag aatgagtgtg tgtctggtaa atacacnaca 240

gggtctgtta accttcaagg acgtggcctt ggatttctca ctngaggaat gggaatctnt 300

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nagttttgct cagaggacat tgtacatgga tntgatgtng gagaattaca atnatctgtt   360
gtttgtggaa aatcattgca tatntggaaa gtatganaag ntcttggatc aagacagcca   420
gtacattgtc catgaacaca tgaatattca agagaantnt tctaaatggg acaaacttag   480
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 gataacccca gagtcagaag agagtgtcag agtccctgaa actgaaatnn tngacanttg 180
 ggaanannca tatgggttct gggaaatgaa cccaggtcnt cttccagcaa gaagagtgan 240
 tctgtctgtt aaccatggag ccagctttcc agccttttgg agtttttatt taattttcgt 300
 tttatttatc accatgtgcc cacttaacac cctttaccag gcctcattca ggacgttcan 360
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 caaacctctc tagaaaaaaa aaaatctgtt gcaccaaagc atccatttct tgtccagctt 180
 gtcgtttttg aaaacgtatg gaaatatgac tctgtgattt gctattcagt ttactattca 240
 tgcttatgaa tgacaaaagc cttgaaacag taatatattn ttgtgcgttt gcatttgcaa 300
 gattgccttg ggaccanttg tctcacagaa agctttntac cagcgaggtt gggctggcct 360
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 gaccatacag gtggcttgcc tgaccagga gctgactcag ctgaaaagac tggaggagac 180
 agttgctctt ctccatgaga gtcagaggtc cctggtggta actaatgagt atctgctgca 240
 gcagctgcat aaagagcagn aaggtnattc cgngaaatnt ntcctncctc ccgagaagag 300
 tcatccttng gggagatnnt cnccttttgg gaaaagcacg ctntnttcct cctcaccaat 360
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 gagcatgacc gtctggagca agatggcttg gtcgacacag ctggntaagc cccagcactc 180
 aaccccccttt ctcaccccga ggaatcctac cccacttaac aaagtggggg ctccacatac 240
 agacgtgaac tgcagccgat tccccactgc tttagagaag gacctggggc caccaggagt 300
 aactgtttnt agnatagaga gntnccaggn anatgagacc cntgggaaant caatggggac 360
 accccacaat ccagccatct cacaaaagtt tggttttatg aggcanttga gatattttnt 420

cagacagtat ggccttaaaa agtaggccac aggctcagag tccttaggac acgtcagaga 480
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 acctgcacag agaccatgct ggctgtgaag aatatcacia tgcacctgct aaagaaatgt 180
 ccttgagagg aacagtcata tagtctacca acacagagaa agcagattct gatcaaaagg 240
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 gaaagtccac tttatatntc tttagagtcc tattngatta caagggggag ggaatgtttt 420
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 tgttcttgat tcaactgact gccaatgaag tgtcttctga aaatttgtgt taaatacatg 240
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 caactaaant cacagttact ggaaggctga gncnagagga tcancccagn ccagccagag 420
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 ggtggnaatc anggcttcca gcaaagaccg taacctcaag aacctttctg caatnatgga 240
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 agatgaggaa ggccataatt ctagggcaca gagtaanacg tctctagaag cttagctcaa 360
 atcatnactt tggncanctt tagccagaga nttcttggtg ttctgaggac aacaaccttg 420
 gacacagga agaaaagaga gaatgttggt ntntggatcc tccagcagga ccaggcccta 480
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gcctctcaga agtgtttggg gccntcttat cctctctgtc ctctcacttc cagccttgct 240
agcatttgga catgaacagg cagaagccct ccaggtagct ctgcagtcac gtgggtcatc 300
agaagctcca ttatctcctg gttaatatgt gcttacttgc cgtcccagtc acttggaggg 360
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<210> 8659
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cctcatatgt actacctgtt tgccttcctt ctcttactct tcttaatttt tatgatttcc      180
tgttcagaag ttacagttct gctatgctat tttcggctgt gcgctgagga tcgtggttgg      240
tggtggagag cctttttgac cancagtttt acatctgctt atatttttat atatntaatt      300
cattactttt ttaccaaact tcaantcact agcattggaa gtacttttat gtactttggg      360
tatgcattta tcctagtgtc agctttnttt cttttcacag ggacaattgg atttttttct      420
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gcaggagaca tgctgnngga gactagagtc agtcgcctct tgacctctaa gctcagaaaa	180
gctgagatct tagatgattt ttttctaaca tcaccacag aggaaaggaa attggaaacc	240
cnaactttcc ccaaagatta taattctcaa atgctttaga acaatatttc tatttctggt	300
cagttttttc tctctctctc tcatttagca caaagagttt aaggagaggt taaaatataa	360
ctcaggacag cgggtctgat ctggggccat tngtttagtt gcacagatct ccccatcccc	420
acacaaaaac accagaaact ttggcttctt ctntttcttt ttttttnaa agtgaaaaat	480
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<212> DNA

<213> Mus musculus

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aaagaaatgt ctatctagag ctattttggg caaaagtatc tggagaggga cagagtggga	180
caatggcttt caaaggtaca agcacctttc ccctgactgc acttcctcct ctcaggagcc	240
tgcgaggag acagcttccc tgggttcttt ctagtgtcag ccttcagggt gatctaggaa	300

aaaataacac ttcggaatgt ggcttatact tttagagatt tagaaagaaa atatgttact 360
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cccttctgcc tgactgattt tgactaaggg ttataaacag acgctcttga cacgagggtca 180
canatcggaat tatgaagttc tntatggttc catancctag gtntttctng ggggcatttg 240
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 cctnagaann gcnnccngac ntttngttac angaaaanac nctgngatga ggccnnnccc 180
 acantnatga caggacagnt tnaanagagc aaggctataa tagttaaggt tagaaaccaa 240
 natttgaaac atgaacantg ctttnttggg ggcaaagtgc taagctccac ccnggaggaa 300
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<210> 8665
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<223> n is a, c, g, or t

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ctatgaatga atgtgagtgt gtgtgtgtgt gtgtgtgtgt gagagagaga gagagagagc 120

gagctntgan tgnnnnnnnn nnngtntgtg tgtgtgtntg ngngagagag agagagagag 180

agagctgtga gtacacatgg gtgctgggtg gggacaggag cagatcttgg tggagtgggt 240

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<210> 8666

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tntccaaaga cctttgaaag gaaatgntcc gcccctttcc 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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 aaattctatg aaantntcca aagacctttg aaaggaaatg ntccgcccct ttcttttacc 180
 agcaatatct gttgaagcag tatgaagggg agaggtgaac actggattgt tttagctct 239

<210> 8669
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 aatcccnaaa cttctgtctca tgtcaatgct tggcgtggga agaaagac 108

<210> 8670
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 <223> n is a, c, g, or t

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 gtttntgctt tttctagtgg catgatgtaa tggcaagaat aagaactttg acattagatt 120
 tcctgtattt agattcctg 139

<210> 8671
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 <212> DNA
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 gcccaactttt agttactat 199

<210> 8672
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 <212> DNA
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 <223> n is a, c, g, or t

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acagacctta gcgattttcc ataaaatg 88

<210> 8673
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gcactgcttc cctcatgtgt gcagt 85

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tcccagagcc cgtgtagttc cagtg 145

<210> 8675
 <211> 148

<212> DNA
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nttttatata gttgggacat cagctgac 148

<210> 8676
<211> 135
<212> DNA
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<223> n is a, c, g, or t

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<210> 8677
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<212> DNA
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<210> 8678
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 <212> DNA
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 tgtggccttt tcctcagatc ttataaccag tttaaaggcn caatagcaat taagaaacag 180
 gtattttagt cgcagcgtgc gttgggcat gaatgaacat ttatctaggt ttaatgaaga 240
 ttaggnatag ttgacctttt ccaaagatna ccaagctgga gtttgaacct ggttatcttt 300
 nagagttaca tatgctttta taaccattcc attctgttta ttgaattcat ggacacacaa 360
 acccaaaagg tattttattc aattgaccag aattatttca caagtgcctn tcacatgcta 420
 actacaatgt ttttacattc tggaaataga ttggcaattg tgtactaatt agcttta 477

<210> 8679
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 <212> DNA
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 actatccgga tcccgaagc ccgagccatg gagtcccagc gcaccccggc gtttcccat 180
 acagccctcc accccgctgg tccttggttg ctgccaacag cgaccaggat ggcccgagct 240
 ccagaaccc tccgcccttg atgctgtcta aggctcacc gccgctcctg cagtgcaccg 300
 tgccgaaggc caggagtgtt ttcccaggag gtacgcgagg ccacggatgg accaggagca 360

ggactgcagt ttgcgcatgc gcagaggaag gggcggtgcg cccaacggtg ctcgtagtgg 420
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<210> 8680
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 tgcttcatta tttcacggtt acctgttatt ctgggttatgg ggacgatgaa aggggggttct 180
 atgcagtgta tcgtgttgtc tttgagctga ttgcaaaaga agaactggag tgtatntcag 240
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 aacagtgaca atcacagtta tgaggtagaa aggaaaggga ttttatgggtt ggggggttagt 180

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ccaacaagag ggacagtgtt aatgcttctg aagcatcagg aagggtgaaa gccactgctc 240
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ctgaccctct gagtcacgtg aatgaggacg aagaatttgg nataggtttg gttacatcta 360
tttctcatcc ccttattttc caccatttaa aaataataaa catgtttctt accaccgtat 420
gttcatatgg ataagactaa ntccaaaaag gtgactacat ccaaatttat atttcgggga 480
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<210> 8682
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<220>
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aacgcggagc atgacagcag gcaaaccggg atggcgctgg agcagcagct gagagcttac 180
attgtggctc ataagctgaa agagactaca ggggtattgtg tgggcttttg aanccttaaa 240
gtccacacca ctgtcacccc tgccccaaga aaacttatct cctaatacctt gccaaacagt 300
tctaccaa at ggggaccaag cattcaaata catgaaactg taggggtcat tccgattcaa 360
ccatacacia gac 373

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<210> 8683
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actcgcagtc ctcagatggg gccatgcggg tggcccgtgc ctttgagagg ggcattccctg 180
ttttcggcac gctgggtggc ggggggtatca gcttcggcac ggtctacacc atgctccagg 240
gctgtctcaa tgagatggct gaggacgccc aacgcgtccg catcaaagcc ctggaggaag 300
atgagcccca ggggggtgag gtgagcttgg aggcggctgg tgacaattta gtggaaaagc 360

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ggagcactgg ggaaggaacc agcgaggaag ccccgctgtc caccgcagg aagctcggcc 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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 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
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<223> n is a, c, g, or t

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aactgacagn ctttncctgtg 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

aancctttta 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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gtcatctcat ccatccttta aatgactaac ttataaaat agaaatccnc ctcagaaatt 120

tgaaagtgaa gttcttattg gttgatgaag tttttaccng atngcttaat caggtaagaa 180

ggncgtgtgct gcaaacncga cttcattttg aatttgaaaa gcttacacta ttatggaaga 240

ggaaagacnc cttttnnngg cagctgctga agtagtcctt nctccnagac ccagacttcc 300

ttcaggccta tgcttgccct tgttctgtga ttgttctgt attcctantt ntntnatnnt 360

tgaagaccaa aagtcaagaa tctcatntg ctgactcctg ncanacaaaa gccacngaga 420

agactaaact gactgtgccn tntntcaatt tnatttaaac attacccagg gctgatggga 480
aagaagaacg ttcaaagatg gacanacccc aatgatcaaa gtccaaattg tgctaccag 540
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<210> 8687
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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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<223> n is a, c, g, or t

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agaaagcggtt agagaacttt aagacaggta aagtgagaat acttattgct actgacttgg 120
catctcgagg tcttgatgtc catgatatca ctcatgtcta caattatgat tttccacgga 180
acattgaaga atatgtacac agagtagggc gcactgggag ancnnngcgn ncnggaatgt 240
canattaccc ttatcacaag aaatgattgg agggttgcc a ctgaattgat taatattcta 300
gaaagagcaa atcagaatat cccagaggaa cttgtcttaa tggctgagag atacaaagca 360
aataaactan aaagagagat ggaaaaaaaa atgggaagac ctcaaggaaa gccccagaag 420

ttttactaat gttgcgtgga gcactaggtg cgcaggatt caagattgta gtcaaagtgg 480
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<210> 8688
<211> 386
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<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 ccttgaatc tatcccatct gaagacacca aactccagca ctattgcgga 120
tgcnaagaga ccagggcttg gacttggctg tgttcctctg ctgaagggtta cagctactgc 180
tgcacagctn tntttgtaca gatntcccca gataaagcca caatgtaagg ttccaggtgg 240
ccacacttat ttggagacac catttaacac ggttntgctt ntacttccat gagaacctag 300
tgaagaagac acagccagag ctttgatcaa agattccaaa tgcaaataca actaaccacc 360
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<210> 8689
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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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 tgtctactta aagaagtata agcttgctga agaggacctt ggtataggcc tgtccttgaa 120
 gcctgatgaa gctataatgt ataatctcag agcacaagtc cgtggcaaaa tgggactgat 180
 agcgg nagct atgagt gact acaaccaanc ccttnatctt gaagaatgct ccanagctat 240
 gtgaatacag acttgtggtt tgtgcagtag gttaagtacg ttttcttcct gaagctgaaa 300
 tatatttggt gtgtagaaat nccaccattg ttnttgatt tatcacactt attaagtggt 360
 tattcttttag aaccacttaa catat 385

<210> 8690
 <211> 310
 <212> DNA
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 <222> (127)..(127)
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 <223> n is a, c, g, or t

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 attccantcc tggncctctc cagaacatcc tgggtggggac attagtgggtg gccttcttct 180
 tcctgctttt ccagttctgc ttgcatgtga acttccagaa aggggcctaa tgagatatcc 240
 agccagagcc agctgaggtg agcaggtgag ccagagacgg agccctggac ccagctgtga 300
 gccacacaca 310

<210> 8691
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 <223> n is a, c, g, or t

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 ttaatgaaat caggctgtga gaatacttgg gaagcatatg ggtaggnagt tataactgac 120

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tttggaacac ctactgtct gcaaagagga ctttctttaa tcttgtagac aagcatagga 180
atactttcat taggggtact tgaaaactga ggcctaaccc ctacatggtg cctcgtatct 240
gtaactctag actnnggggt ttaggtctca ggagtcctgt gagtccgagg ccattgtgta 300
ccacaaagaa catgtatcaa atccccacc nccccaaaaa nctctcaaaa acatagcttt 360
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<210> 8692
<211> 500
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<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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ccgtcaagag gtgncctggg gtgagcgagc annaggctca ccgtgagttc cagaatctct 180
gcaagttcga tgtcaggcgg ttactcga gccagttcct gtcctgacc aataagttta 240
aggatgccg cagtgtcttg aaggagtaca ggaaccaccc aaccctgcag gtctccttgt 300
accggtcctg gagacattcc cccaacatca cctgcctgtt acaggtctgc agcatagtca 360
ccacntgggc catgattgca tttctcctgg gaagacccat gccctgagag cagttagcca 420

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cctcagcttc tntcttagtc tctggagatg gccctcgtgg ctcgtttgta taaaccagtt 480
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 <211> 384
 <212> DNA
 <213> Mus musculus

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 <222> (89)..(89)
 <223> n is a, c, g, or t

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 acttgggggtc tgaggtgagc ctcagaaggc tgaaatgcaa aataactcaag gaaaaaagaa 180
 aataaagttg tgtgtcaccc ctgcccagct aagatTTTTT ttcttttaag atagaagcta 240
 tttttaattt tgttagaagc cctactgata gaaaaggtaa cttttagcag gtagatcgtt 300
 gaaatgcacc ttgccaacat ttagctacat gcttatcacc acatttgaag tgatgataca 360
 agaagccttt caatagctga tgaa 384

<210> 8694
 <211> 460
 <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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 agttccagtt tccggagggg actgtaggcc tgcagtatgt ggagtttggt ggaagatgct 180
 aggcaaacgg ctattttcat ctcttgacg 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
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (412)..(412)
 <223> n is a, c, g, or t

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 aggtgtggat gtggcctaac acccccact cctttgcgat ccgatacatg tttgcatcct 180
 tctctgggaa tcagccagta actgacatgg aagacattca gcagaggccg aatgagtgct 240
 cccctgggct ggctgtgaca gagtgagggg ctcattagtc ctcacctacc attgcggtc 300
 tctatggtcc cttgttcctt ctgggcgtc cgagagcaga ccgaactcac acatcacagt 360
 tgatgcccta cctcacagtg tgtgtttgtg tgtgtggttg ttgttggtgt tntcgtttta 420
 ctttgagatt ggttctatgt agccctaa 448

<210> 8696
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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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 gtgggaggggt gcttggtatc taacatgttt tagcatttgg atggaggggt ggtgctactg 120
 ccagctgccc ggctgctaaa gataagcaag aatctgtgtc aggctttgag ccacacaaag 180
 atcaggtcct atggcaggtc actggttaggc agcattaagc ccacataatc ctgtccacaa 240
 acccacaggg gatgctacca tagttccaat cccaagacat gtcctttaga agccacatgc 300
 aagttggggc tctgccaaga ccacaggtag cctccctgta cacggactcc agcctgccct 360
 gccacgtgc tgaggtccca tgcttgaact ccagggcagc atgactcctc cctctgcca 420
 gcagccttca cttcatccac ttaactgtca agagcaaagg catccactgt tcccaagcca 480
 cactttccca gctcataatg tcaga 505

<210> 8697
 <211> 504
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 <223> n is a, c, g, or t

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<220>
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 aaatctccac atcaaatacc actctagcat gtgttcatat tttctcaa atattgtcctat 120
 gcaccttccc cactttgtgc cagtgcaaat aagtatgagt gggaattgct attttaccac 180


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ccctctagtgtg tatgatgcta atataaagcc tgccaattga tcnnntnnan nnnntnttcn 240
tntannnnncn nacaaatgaa gtccctgaat tnttcacagc tgacacttaa aganccacaa 300
gcnacagttn ttatntcggc ttcagtgtc ttggtgagca acaatttggt gtccacttat 360
ttgtgtcccc ctggtcctac actccatcct ccatatgaaa gcgttgaaca gaagtgttct 420
gttttaactt acctagtttg cactgaacat tgctgtgtca ccgacagcct aagtcttttg 480
tcactacaca ttttgctcta gctc 504

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<210> 8698
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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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<220>
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<223> n is a, c, g, or t

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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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<222> (382)..(382)
 <223> n is a, c, g, or t

<220>
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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 gtggggagaat gcctgtttcc 300
 cacaaccccc ntcccccgaa acataaacac ttnntcgtag ttttcaaccc acttcttcat 360
 gctcagggtta acttgtactt tnttttctgt gattnntctn tcctaggatt gagctcattt 420
 tcatattgcg ttgctcacac ccacgtagga tggtt 455

<210> 8699
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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>
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 <222> (62)..(62)
 <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> (435)..(435)
 <223> n is a, c, g, or t

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 gntaggatag aaaagagggg tccattttgt acccccaagc tatgcttttc accccttaaa 120
 ttgaacaacc ctatgcttct ccgtgtttat ataataagcta gcacaacaca tttaggaatt 180
 ctcaggcact gttgaatagg atctctcact ttttaaggcta ctgatatatt ctatttaaag 240
 aactacaggc aggcattgga caatcctaca gttacagtcc cagcacttgg ggggtgaggg 300
 gggacccgag ggcagctgca agcctgaagc cagcctggct tgcacagtga gttccaggac 360
 catccagncc tgtgtagcga gatgcagcct caaaacaaga gaggggtgag atagcccagc 420
 aggtaaaggt tcctntccca actcttgatg acccaattca aatccctgg 469

<210> 8700
 <211> 461
 <212> DNA
 <213> Mus musculus

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 <222> (26)..(26)
 <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> (88)..(88)
 <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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ctggaagaaa gattctttac agntaggnta tggtagcata aatgcacaat cccaatttac   120
tggttgaggc caacctgtgc tgttgcataa gtcaatacan acaaccacac agagcacaca   180
cacactaata ttctaaagtt caagattatc ctgtctaaaa aaaaggatat gcatataatc   240
ttatagtaac tatgtgttgc tttttttcac tttagtactt taaagggtgtg tgtgtgtgtt   300
taaataatth acagaggcag agctggagag atgttttaag tggttaagag cactggctgc   360
tcttctagag aacacagggt ttgatttctc gcacccacat ggaagctttt aacagtttct   420
aacttttagtc ttaagggaat tgaaaccttc taatacatag a                       461

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<210> 8701
<211> 275
<212> DNA
<213> Mus musculus

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<220>
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<222> (48)..(48)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 8701
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cagaagccac tcnccgtgtc atcaccattg caaaccggac tcaactgtccc atctacctgg   120
tcaatgtgtc tagtatntca gctgggtgatg tcattgcagc tgctaagatg caaggggaagg   180
tggtgctagc cgagaccacc aacgcacacg ccacgctcac gggcttgcac tactaccatc   240
aggactggtc gcatgcagcc gcctatgtca cggtg                               275

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<210> 8702
<211> 456
<212> DNA
<213> Mus musculus

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<220>
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<222> (268)..(268)

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (270)..(270)

<223> n is a, c, g, or t

<400> 8702

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acacagcgtc tcagatgggc aggcaggaat ggcattgaccc tgggggtactg tacttgggta      60
ttttatcaca gcaattcgaa tggaactaga acaggcaaca tctctagagc aatacctcct      120
cgcccagatc aataaggact tctcccagag tgcctgggtac acagctccaa aagggaaagc      180
ggccctgatg aactccaccc ctggctttgt actagctcat gctatctgtt ccttttctctg      240
ccagtaatct agccttccta acagcagntn tgggtttattc tttggagaac taccttctcc      300
attactttcc tagatccctg ttgtttgggt agaattgacc atactacctc cagttcagaa      360
ggcagatcat aagatcaaag cttgacttaa aaatgccttt catttttttc tgccaccaga      420
ggttttacgga tgaacatgta gcccaaacca gactttt                                456
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<210> 8703

<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

<220>

<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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<223> n is a, c, g, or t

<400> 8703

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agagaaagaa gtcactttct atcatttttag gtttagatat tggttccttt gaaaccgaag     120
ggatatttctg tcattcttca cttttctgag cttatccct agtgaagtaa gccttagtgc      180
aagtcttggg gagactctaa agtgcaaata gctgttgggg ggcttttggg tgagcaagtg      240
aaccaagaga gaccctggct cccaccccc cggccctccc cctccccagg gctgatgtgg      300
agctgctaac aggcttctgc ctgatctnta gcctttcaan ttgaagcccc acaaatcaag      360
ggcctgannt ctcttcaant gcaacagggt caggagtgag gctgaggcag gtaggatgac      420
gagtgcacat ttttt                                     435

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<210> 8704
<211> 406
<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> (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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 <223> n is a, c, g, or t

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 <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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 cgacactgcc ccttgagcna gcgacagcct ctgggaccnc ggctcccatg ntntccttgc 120
 tntccccaga ctgtngggag anggaattaa accctcagaa cacntntcct ncccagatga 180
 agtttgtatn ttgcaaaggg ggggggggnc nccttgtgta accacagatt tcctatttat 240
 ggcatttcat tccttgtaaa tagcaccagg agacggggaa gagaacacac acatattttc 300
 taagaaaaaa aaaaantctg ttacttttag aagggtcat gtgttcatag cagcctgctg 360
 gagtccgtag atccgtcaga ccattaccgt gcacacgttg ccaaca 406

<210> 8705
 <211> 484
 <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> (262)..(262)
 <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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 <223> n is a, c, g, or t

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 gaagattttg tcctccacgc cccgcccccc aggggtggat gaggttgcac cagttcacac 120
 taacaacggc tttgtaaacc caaatgctga caaaggggag cggaagaacg agacaagaaa 180

gtaattagaa aaagatagaa aaaccatctg gcaaactttt atagagaaaa cagaggaag 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 caaccagaa 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
 <211> 287
 <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

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 <222> (95)..(95)
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<220>

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<220>
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 <223> n is a, c, g, or t

<400> 8707
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 naantccttc tggaatggac naacatacct ntgcntccca ccggttcaaa ggctaagagt 120
 gtcacatgat aangtctgtg gcctaaaaca gagatttccc ttcttctactg gagtcaatcg 180
 acctgatgcc cccaccagtg tatttgatg gaaggctcct tgggtgtntca ttttcatgaa 240
 actgtnaccg cattggatca tgggtgtttga gataacctga gtccatt 287

<210> 8708
 <211> 261
 <212> DNA
 <213> Mus musculus

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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> (127)..(127)
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 <222> (148)..(148)
 <223> n is a, c, g, or t

<220>
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 <222> (154)..(154)
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 <223> n is a, c, g, or t

<220>
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 <222> (197)..(197)
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 <222> (219)..(219)
 <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> 8708
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 actctacaac tgtattacat cccagggctg gaaccanct 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

cgctgcatt cagcaactcc aggctgttca tgctag 156

<210> 8710
 <211> 263
 <212> DNA
 <213> Mus musculus

<400> 8710
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 acggcgattt caatatccac aatattgtca ctataactg cgttgacaac gccttggtga 120
 catcctcggg cccagctgct gctgactgac agacctagag aggcccatct actgggggttc 180
 gatctgaaga aatcgaatggc cgaaaaatca cgcaaggatg aggatgtaga caaagaagac 240
 tcaatatcga agcaagggca ggc 263

<210> 8711
 <211> 368
 <212> DNA
 <213> Mus musculus

<220>
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 <223> n is a, c, g, or t

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 aggaggagggc atggtggttag aacagtagct atgagcttgc atccttgtgt gaaagcatga 120
 ggcagagggg aagagaggaa gagcagacag agaaatgacn ttgaggctca tccccaatga 180
 cacccttcc aacaaggcca cacccttcca 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
 <213> Mus musculus

<220>
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 <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>
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 <222> (217)..(217)
 <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> (266)..(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> (288)..(288)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (315)..(315)
 <223> n is a, c, g, or t

<400> 8712
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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
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 <223> n is a, c, g, or t

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 ttctagatgc agtgttgccc ctnttntccc tntcccttc ccagcaccag gggttccggc 180
 tggtgactta caagatggtat tntctgttat gaatctgacc cacagcgccn tnttctaccc 240
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 ggagtccagc tactgtttgta gagagagacc agcaaggagc tcagtttaat ggttctgggc 180
 agaagcccct tgctctggga atggcccagc tcccacagcc tcggaaaagg cggcgtgacg 240
 gttttgtcac cagcaaaagg aagaaacgac gtcgtagcca gtaggaagcn gagggccacc 300
 ctgctccacc tagcagcacc caaagtctat tttagtgtg ctgctcccn taccctgtgg 360
 agaagcagtn tcagcccaat gntgtttttg tttgtttgtg ccagaagctg gagatnctgg 420
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<210> 8715
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 gttgttgctg cccctgctgc ctccagcaga tagaaataca agctcctcct ggtgtgccag 120
 tggggttatgt tattcaaacc tggcacccat gtcggccaaa gtttacagtt caaaatgagg 180
 agaaacagga tgttctaaaa attattgggc caatctgcgt gtgcaacatt ggaggaagca 240
 tagatcttga gatcaaactc ttgatgaag aattcgtggt tggcaggatt tccaagcact 300
 ggtctggtat tctgaaggag atactgacag atgtagacac ttttgggatc cagttccctt 360
 tagacctcga tntaaagatg aaggcggtga tgcttggtgc ttgttttctc ntagacttca 420
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<210> 8716
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 <223> n is a, c, g, or t

<220>
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 acacctaagc tgccccacag ctgggtcact ccacaccaa gccactctcc acctgtgcaa 180
 gtcnccccac acctgacta ctccccacct gagctgcccc acacctgagc ccacacctgg 240
 atttgggggt ttttcaagtc atataaaatg gtttatctgc cctgctaaca cctcttaggg 300
 aaggaatcnc cttaacagca catgagggga cnttacacat tcnttaccba cgagtgggnag 360
 tnaggggant cntggcanga gtcagttctc tnttcctaag acatagggtc tctactgcca 420
 ccggtgagag ttccaggga ctcaggctta gcagaaaatg cctttgcctg cgaaccatct 480
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<210> 8717
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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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 tcatacctat tctcaaggta tggcttaatg gcaggtagac taatgcatgc tctctaccta 120
 ctagncctta caggcaggga tgcatagttn acatnactgc gttgcatttg tattgaagtt 180
 ttcccccttc aagttaccac tttttntcct atctataccc atgtttgtgct 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
 ctctgggtttc 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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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 gtgcagggtc caccattcaa cgtgaccgtg 180
 aggaggaagc atcggccaca tccgggtgtg tttcactgct gcaccttctg ctccagtgga 240
 ggacagaaag ctgcccgtg 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
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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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 gacccgggct gtggcagata taagcagtga ggatcagggc cctagaaatg gagagcctgt 120
 ggcagttcac aagggtgctgg gtgatgccta ttcggagctg tctgagaaca gcgaatcatg 180
 ggagccaagt gctcctgagg ccagctcaga gccttttgac acttcaagtc cccagtctgg 240
 acgtcaactc gaagcagact gaatttnatc ttgattactg tgaaggaccg gccagtctgg 300
 gatgctgtat gccatgtgga agggccaaaa ctgccacata tcattcttgat ggccagctgc 360
 caggcaccag gagagcctct ggagcctcgc tgaaccaga acctnccacc nccccaacca 420
 ccttcncnct gacatttctg agcaaatagc aatggtttct catcancca tcttcccaca 480
 gagcaggacc tttccatggc ctcccaggga caattcagat tgcataatacc tagaccaga 540
 at 542

<210> 8721
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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> (279)..(279)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8721

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gccaccngcc tctgnttctt gaactgctgg gattaaagan gtacaccagc naagcccagc      180
ataaaaaatac anantntaat aatTTTTTaa ataatcnta gntccttcac aactctaagc      240
cccttcactt tctagttacc atgaaattnn gagcacctnt atccatttgg atcattaggg      300
ctcaattgca catggttcaa ttacagtggg gtttccccag atttttagagt tagaggcagc      360
aggatcagaa aattaaatcc atttgcacta ggtaataaat ttgatccac cctatctcaa      420
aaacaaaaca ctanccacac gtggcagcac acacctttta caacaggact caggagcctg      480
gcatgatggg acagaccttt actccctg      508

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<210> 8722
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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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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
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<210> 8723

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<212> DNA

<213> Mus musculus

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<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 gccagaatt taatgaatgc tgtagtgcaa acagtgaaaa	240
tgtcatacat tgcctccacc aagatcatcc gcatccagag ttctgcagga ccccggcacc	300
cagtagtcat gtggaggatg aaggctccgg ctaagaagcc cttgattaaa agagagaagc	360
cagaagaaac atgggcagct gncagaagag gctctgcca gaaaaagatc caccagttc	420
aagtcatgag tgaattcaga gggagacaag tctactgaat accctcatcc actctagtgc	480
ccatttctac accccaggct aaccacactg ctttatttca t	521

<210> 8724

<211> 494

<212> DNA

<213> Mus musculus

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ttttcaagta gctaggacat tctactgttg aagatacact agtctgacat atttggaact    180
ttatttttata 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
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<210> 8725
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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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 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 aagggttaata atagtatgtg 420
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<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 actgggtcaag tctgagcagt gcattccttg 240
 agctaattcc agtgtgccca tccccatccc ccagttctct gctaccatt tttctgtttc 300
 ctccaaagtc ctcaaagct tcagatccaa caaaaggcag tcctataagt gctaccactg 360
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 ctgacaagaa ttggaggcaa accacattaa gttctattat ctataaagac cacgtgtatt 480
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<210> 8727
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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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<220>
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 gaaaatacag aaacccaaag caaactgaag agtttgggac gaagtcagtt tggaaaagaa 180
 gtctcagagt tcagctacaa taacaaagtc accttggcga tatctgtgac cgtcgtagt 240
 atagttttga ttatcatttt ctgtctcatt gagatttggt cccacagAAC aaaaaaggna 300
 gacaaagaaa agcacaaatg gagaaagaaa tacaaggaaa gaaagaataa ggaaanatat 360
 ntntggataa ggttgccacc tcggcttaga aatatactca aactngacaa gaaatntggg 420
 catgattttac gggccaatac tcaggataaa ttatgggagg tcaagaaaag atcctcggtg 480
 aantcgtccg cagaatcgag tgaagtagcc gaaaccccac ggtga 525

<210> 8728
 <211> 408
 <212> DNA
 <213> Mus musculus

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 aaagttgctc agagtctgtc tggcaatgga tgctggaagt tggctgagtc actggggctg 120
 tctgccgcac caactgcaca gaacatgcta tgtatcggct tggcttctcc cagcactactg 180
 aatggacata agtcagaacg tttcaagaga caagagaacg cctcacattc cttaaactgt 240
 ggaccaggaa gtggggagag ggtcacttca atcatactct attgcagcca caatgacttt 300
 caacaaatcg gcgtagaggg catgttttaa agctaccaca atattggacc caatgtttaa 360
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 <211> 287
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 acaatggaat atgacaagaa ttaaaaacaa acaaacaaat aaaaaccttg tgctatgtga 180
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<210> 8730
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 aatccctcn atggtttgtg agatgtctca gcaggatcca gagggacaga agagaacatc 180
 agagtntctt agaattagag ttacaggtgg atggaagccn ccatgcagcg ccaggacttg 240

aacttgntc ctctagaaga gcaactagtg cgcttaacta ctgagacaag ttccatcct 300
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aacactgggtg gganccttg tgtccgtgag ggttgatatt ntggaagaan ccctgggtgt 120
gctgttaagt tgtgctatat ttgccacaga aacagta 157

<210> 8732
<211> 106
<212> DNA

<213> Mus musculus

<400> 8732

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ttagaggaag ttacctgctg ggaggaatcc ttttgagagg gacaaa 106

<210> 8733

<211> 136

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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acgttggccc aaaaacagac ttgntcatta caaacctga 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

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<210> 8735

<211> 253

<212> DNA

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 gggacttaga ggaagattgt ntcattccatc cgtatcaggc aggttttggt atttggtcgt 180
 gtaatacctc acagccaata ttntatacca ccatactgtg cagaagtctg aagaagaccc 240
 cactaccaat ttt 253

<210> 8736
 <211> 268
 <212> DNA
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<220>
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 <223> n is a, c, g, or t

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 agtttaagac tgatgtcaga atttagaaag aatngcatga taggactttc ggattttctt 180
 gttggaaaaa agataatata gaaagccttg aagagaaagt tntggaagca gagcattgat 240
 acttgtttaa tgttgaagcc atgcttag 268

<210> 8737
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gaagggtggac cacttcctaa ttgtttcaca actccattac 100

<210> 8738
 <211> 69
 <212> DNA
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<400> 8738
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 tcttctttt 69

<210> 8739
 <211> 142
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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 tntggaagtg acacacttct gtttttctgt gtgaattcaa gccctggaca tggggcatgc 120
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<210> 8740
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 <212> DNA
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 gtntccaagt ttttcaggag aagacgccga tcaacctgaa gctgagacca gtggaatcct 120
 agatactggg ccgggccaaag gactgtgatc aagatcattg gctgcgagc tccttgcttt 180
 cccaaga 187

<210> 8741
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 <212> DNA
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 <223> n is a, c, g, or t

<400> 8741
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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
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 <223> n is a, c, g, or t

<400> 8743
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 aggaagatga ttttataagg tgtatgtaag aanttatttn ttagcagaan tcagtantcc 120
 agccaggcag tttttcagca ttttttttcc ccttcccaga gcccgtagtag ttccagt 177

<210> 8744
 <211> 155
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 <223> n is a, c, g, or t

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 ttcttggaaca ctccagatct ttggatatatt accaccttta cagggaaaaa aaaaangaat 120
 gatgtgttct gtaaaccacc agcaaggcat agaaa 155

<210> 8745
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 tttttttttc ctatatgata gggccagtg gggaaaaggt caaaaaataa ttggatgctg 120
 gatntctgta actaccaatt tcaatttgga cagttt 156

<210> 8746
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<400> 8746
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 agcacgctag tttggacggt tt 82

<210> 8747
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 <213> Mus musculus

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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
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<210> 8750
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 aaaagcatgc acaaattntt ttaccaaag tgntcagcct ggggacactg attttcctta 120
 atgccagagc tgttcntttg ggtacggttg cttttccata tgggctccaa g 171

<210> 8751
 <211> 87
 <212> DNA
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 <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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 ttcacattaa gctctgaaaa cttatcaga 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 aagagtcctt tgaataaaac tgagaggctt ttaaaacttt agttctaaga 480
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<210> 8755
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 acatagaaaa aaaagccaat tttctaagtg tggcagccca tatctctaatt ctcagcactt 180

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gagaaaatta ggcagaatgg ttcataaatt caagatcagc ctggggttaca tagcagcttc 240
caggacacac tggttttatat agatctgccg caaaacaaag aattaatact agattctgtc 300
aangtaaagg ctactttccn gatcagggat tttttttttc tttnttcttt gcttgcatnt 360
nactgatttt tgttcattaa ttagcagttg cagcataggt gttatcctta ttattgtaag 420
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<210> 8756
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agaagattca ttcaggagag aagcttttgg ggtgtgagga ctgtgaaaaa gccttccagt 180

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gtcactctgc tctcaccaaa caccagagat tncaccctnc tgtggctgct gtaggnacat 240
 cattaacata gttgctctgc taactttggt tttatagaaa tgaatcagag tgggaggagg 300
 aactccttaa agtaaatttt tctctgtcac atggtgggat ggagagccca ttgggctggt 360
 ctgatccaag tatgttatta aaacaacatt gtgncnngct gctttaagtt tnttctgtaa 420
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 <212> DNA
 <213> Mus musculus

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 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
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 aggacctttg tgagagaggg gttattcatc aactgataga aattttttaa actatgatga 180
 gcagacctgc tgagaaggaa gaggccattg ccttagaaat ccagtctgac acattactta 240
 ttctgtcagg tctttgtgaa aattatatcc anaggaagga aatgtttggg actgaaggag 300
 ttgacatagt tcttcatgta atgaaaacag accccnagaa tttacagagg ggtttaggct 360
 acaatntcct tcttttcagt acgttagaca ncatttggtg ctncattttg ggatgttatg 420
 attctgaaga ttattttctt gaaaaggaag ggatttttct ctttttgat atactagcan 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

<400> 8760

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aacagccgaa attttagcaa gtttttgcac tcatgtgcat accagtgtgt tcaccataaa    180
gtcattatgg aagctgaaga caaatataaa aatgaactaa ggaaaacatt tatctgtgca    240
aaaaaaaaatt 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
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<210> 8761
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 cctaagactc accactgggg ttgtatcctc tggctttccc tctgcctatg cccaagttag 120
 cttctaaatg gaggatttag aagccggagt ctgaggttgc agtcctgaat cttcaacatc 180
 ctttcccaag acccacagct ccatgaaagg acagttcaag ctctcaggat ttaggctggt 240
 tgctttgttg ttttgtaaac ctgggccctt gcaagcccct tccttcttgg tcaccgtccc 300
 tttgctgagt tttntcaatt ttaagagtga gagtaaaagc aagaggatcc naacncntc 360
 cntntnatcc gntcctagat ttgganccca aggtggggag gtgggcctct tgacantcgg 420
 gaagcaactg ggacatactt atttg 445

<210> 8762
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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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 attctggccc ggctcacctg gtgggagtag tcgtgggaca tcatggagcc cgtcacctac 120
 ttcatcacgt acggaagcgc catggccatg tatgcgtatt ttgtaatgac gcgccaggaa 180
 tatgtttatc cagaagccag agacagacaa tacttattat ttttcataa aggagccaaa 240
 aagtcacgtt tcgacctaga gaaatacaat cagctcaagg atgcaattgc tcaggcagaa 300

atggatctta agagactgag agacccatta caagtacacc tgcccctccg acagatcgga 360
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 acg 423

<210> 8763
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 <212> DNA
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 <223> n is a, c, g, or t

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 cagctgtgaa agttgtcaat gcagcccagt cactcctcac agcatgcccc agcataactt 180
 cccaagcttt ccttgatgca aacatctaca aaaataagaa gtctcatgaa cagctctcgg 240
 ctctgaaagg aagcttctgt cggaaccagt ttcttgggca gagtgaagta gagcatctga 300
 ccaaagtgc aggcctcagt accagagagg tgcggaagtg gttcagtgac cggagatata 360
 actgccggaa tctgaagggc tccagggcca tgatgcccg agagcatggc tctgtttctca 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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 gaagtgtccg gtgccatgtg actggatcac atggggaagc gctttatata gacatcagtt 180
 ccatggtgtt aatttgaaat gccttaatgg caggcaaaaa accagtcatt tcattttgta 240


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aattacagat tttatcacag agtaacaaat gttgctgtaa ttaaacttct gttttatata    300
tatgtatata tatacgtata catatctgta tatatacata tatatatata catatatata    360
tatatatattct ttactttttt gtaacagtaa ccaggctcgc acacacaggg tctgctgcca    420
agttgcaaac cactcagtaa a                                              441

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<210> 8765
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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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ntccgttttg tacaggcctc aacaaggact taaa                                154

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<210> 8766
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<213> Mus musculus

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<223> n is a, c, g, or t

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ttgggtcctgg tgcttcaca gaacaatctc aacagcacct tcaggacttc cttctaagca 120

gctgtcatag ttgtcaggtt ctttaacttg tgtgtcattg ataacaacat actttactaa 180

agacagttga gggaaaggcc caaaattata aaattcgttg cttataagct ttttcatatt 240

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<210> 8767

<211> 492

<212> DNA

<213> Mus musculus

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 tgttttgagt cttctcttcc ttttccttct tctctctctt tattttcttc ctttttaaaa 180
 aatatatata taaaagtga aatcttttaa aaaaanntaa aagagagaga aagaagaaag 240
 aactaaatca cctagcgtgg ggcattgtgac caagtctagc cagcttcatg gcacccccta 300
 aatatgatct cccaggctgt ggagtgcaga ggggtggagc atctggagnc tgtgagactc 360
 tagtggggag gtgaagactg tgcctgggga ccnantnagg gtggcaagag ggggtgcaggc 420
 tgggaaacat tgtgtgntcc ntccacctcg accccatctt tattgtacac tgtagctggt 480
 ctattgtaca ga 492

<210> 8768
 <211> 300
 <212> DNA
 <213> Mus musculus

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 cagtcctgac tgaacagatg aggactctaa ctacggagag gtggctaact ggtgaggaga 180
 aagcaagacg taccagactc tccatcgctg aatttcccag taacacgtct tgtccttcca 240
 cctgaatctg gtttacaatt tcgtcctgca agtcagctac aactcagctg aactcagtac 300

<210> 8769
 <211> 253
 <212> DNA
 <213> Mus musculus

<400> 8769
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 tgcacatcta cgagacggag ggcttcagcc tgggcgtggt cctgctcaag agcggcacgt 180

gcaccccgct gcacgaccac ccgggcatgc acggtatgct caagggtgctg tacggcacgg 240
 tccgcatcag ctg 253

<210> 8770
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 <212> DNA
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 <223> n is a, c, g, or t

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 tggattcaga ctgggggttnt ttgggggtttc agtttcatcc cttccctgga agttttgtta 180
 ccccaacact agtattactg cacagctttc tg 212

<210> 8771
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 <212> DNA
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 antgtgctta nanttgtgcc acgtaattct ccaacagata ctagagggtga ctgccccgtg 180
 ctgtaaaact gccaaagtata 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
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 8772
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 aaatctgaca gccataaaaa ctgagccagg attttcacaa tgccctaaag gtcaaagtcc 120

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tttgactgtg tatctaggct ggggtggttct tgtctttcct aaaatggctg agaagacctt 180
cataaaggat ctagaagggt caccttctaa ctcagcaatt acgaatgttt gctttcaaac 240
atccttaaga acaggatgtc ctaacgagca gacgagctca cctggctgat tctcagcctt 300
cttcccaccc tccctgtccg actttcacia aatat 335

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tacacaagca gaagntgaat taagaaaagt tgcttttagtg actgtgtgct ttcattgacag 180
gctaattatc agactcatca gcctagcata aatttgaatt caatatatgc tgtcactctt 240
aagtttcttt taggttgagt tcacagatta tgctttgaac aagttaaata tggactggag 300
actgcatatc taggctctta ggcagatgga aaatttacgt agtacagata ttgtaagagt 360
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<210> 8774
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<212> DNA
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<223> n is a, c, g, or t

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cagtctatga ttgaattntg cacagatgaa caaatgacat ccaagttttc cccctntggg 180

tccnaacaca gttgtgactg acgctgagca ccattaggcg aggaacccat atagtggaan 240

caactgtctt ctagtcagaa ccaagcctgt aagcactgct gaaggtgggc aggacgaang 300

tagacttcag gttttacagt gttaaagtag gggcaaccgt ncctacagta gctcccttcc 360

ctnccttcaa cctccaacaa gctccacatc tagctcctnt accttcanaa cttgatgggt 420

ggtggtgttg gctattgcta gacat 445

<210> 8775

<211> 341

<212> DNA
 <213> Mus musculus

<400> 8775
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 ctaggtatag cagaacaagc cagtaatcaa ttaattcttg tgaaattggt tataaaatgc 120
 atcttacaat caaatacaat ctataaccta atatttcattg tgtacttaat acttgtgaga 180
 atgcattgta gcgttataaa gcataatcag tcagagcttt gtgctttatg tacttaaccc 240
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<210> 8776
 <211> 550
 <212> DNA
 <213> Mus musculus

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 <222> (197)..(197)
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 <223> n is a, c, g, or t

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agggatggat ntgnacntcc acccccacat ggtggaggcc gagatagacn caaagaanat 240

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catcacacta gnngatntna nccntntnt nagctnnant tnnntnnac cnaggagtna 420

ccgggnagag agnttcctta ggggaanttt ncananattt ncctgtattc cantgcagat 480

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nttttatttt aatgttaagt agaaaattaa gctataacta gaaataactt gagggaaaact      180
ttagtattct aagaaatggt taatgtttac acttttaaag tgtaatcttt tatgttagca      240
tttagaagca tacaaccttg aatttagtan catttccaaa gcataatntag aattcatggt      300
ttttingaatt tccaggncac ttaagntagn naaatgaaga gaattnantn gtgaaatgct      360
nttatgtccc cagtatgaga accagcatgg antcacagcg ccaccttggt gtctccacgc      420
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gtaaagttat tgggtcccat taaccatttc tgntnttgtc atntcattcc ggggtccggt	420
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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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 agcaggcggtg aggagccatg caaacatcac tacaaactcc tggctgtgga tgtgccgtgg 300
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 aatatgagac cctgtatggt tgtctaaaaa catactgtta gtccttcag tcacacctgt 180
 ttggggctgg ctggtgaatc agaaggaacc ttgttgggtc tgctgctcac cacctatggg 240
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 ctacaaaaca aactacttct tccaagcatg acaaccgcac ttccttcgac aaaggtccct 180
 actgcctgct gcagggaatc gggagacgga aagacctgga acgcctgtgg aagagacaca 240
 ccttcctgcg ctgggcaccc tgtgagctgg aattgagcca acagccgcct ctggaatcgt 300

cctaccagac tgacttccgg tcaggcacag gactcgctag gctccccag cgccttgtcc 360
 agtttgtgca ggtccancct tcctatgcca ataccacnta ccaacacaan ttntnccanc 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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 tcctgactta tcagtgccca tcaactatctg gcgttctgaa agtcccatag aaaagtgtca 120
 ggaaagcaac gtcataagg atataaagag aaaggagaaa gagcaagatg aggaggagat 180
 ggtggatgaa aaggcaaact tgaagaaaaa agccaagggc aagttaacta agaagaaaac 240
 cccagtgaag tcggagtctt cccctgctga tctgagccaa tccgtaagag gaccctgag 300
 gacaccagag tctagcccag aaagcccggg agggcngng agcgagtaca gttgtgaacg 360
 gggtaaagaa aggccctcta gtgaagatgt tgtagagtca ttgtcccca gaaagaaaga 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

<220>
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 <223> n is a, c, g, or t

<400> 8789
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tgatTTTTTca 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
tactttnttt gatgatgtgg atacattggt ctaactaaat taanttgag actcagggca 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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 tcctgctgct gctgctgtta cagctgctta caacagccat tgtcgtggct agagtcttat 180
 attcactgtg acaccatagg agaaatgatt ccacttttgc tgtcttacat gacctataaa 240
 aaggaggcac atcccattat actctcaaac cctgtctgca ctcagggaga ggttataacc 300
 tcattaagga tntttggagc nattttntag gtcttngnaa ccatgggtnt tgaatgggta 360
 actgctggca gaacatgaaa tccttcctaa antgattgtc cacttttttn ttgacattn 420
 tcttgagaac agccactagt ttntcagtgt gcttagcaaa tatgaattta caatataaat 480
 caatatggac attcatgttt cacagacttc a 511

<210> 8791
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 <212> DNA
 <213> Mus musculus

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 ttccctccaa tcgtttttga agacccttat catgttgcac ttcgctatgt ggagaaacac 180
 aacatcctgc atatattcca gcagatcact gaaaacctag tctatgaaag gccagatgac 240
 cactgtatt tcatgctaga ccaggtacag aacatgatca aacacagaga cgaaaggcag 300
 agcgactgaa gacagacgtc ccaagcactg cttactgtca tccatggccc gactgtactc 360
 aacctgctcc cacttgaaaa atgtgttttc agtaggcac ggtggtaact ctgcctaaat 420
 gt 422

<210> 8792
<211> 410
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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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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<223> n is a, c, g, or t

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<223> 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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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<220>
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 <223> n is a, c, g, or t

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 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

<220>
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 <222> (127)..(127)
 <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
accatcgctc acccccactc tgctgtatta actatgcaca gggatggtaa ttagcctctg 360
ggtccttcaa gccactgggt cagttcttcc gtctgtagcc cagaga 406

<210> 8794
<211> 417
<212> DNA
<213> Mus musculus

<220>
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<222> (376)..(376)
<223> n is a, c, g, or t

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tcctccacct ccttcctcag gccttcatca gcctctccgg ccattcttg ttcttctacg 120
ccaccgcata tcctgggcct gcccgaaga ggtcagagac cccaaggcca gatgttatct 180
ccttcttgca gcaccgaag cccgggggag ccaccctcgt gtcccctgtg aggtggagct 240
cccacctcat gtgttgaggt gttcattatt ttctctgttc tgtagcaggg gacctatagg 300
gtcttgacg tccctggctc gctctctgcc aggtgggag 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 agggtagagt 120
tctgccctta ttctacaggc ccaggctggg cttttgactc tccagacttt aacttgata 180
gatgatgtgg gtctgattgg tggaattaaa ggcctgagat gtttctgggg tgggtggtcag 240

ttctatgtga gccca 254

<210> 8796
 <211> 75
 <212> DNA
 <213> Mus musculus

<400> 8796
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 agtggtcatt tgacc 75

<210> 8797
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 <212> DNA
 <213> Mus musculus

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 <222> (51)..(51)
 <223> n is a, c, g, or t

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 catcaatgac aaatttagga agaccaaggg cctccccaga gattgggtct tcaccacctt 120

<210> 8798
 <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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 ntcgctggcc acagcaggcg atggcctnat cgagctgcgc aagctggagg ctgctgagga 120
 cattgcgtac caattntccc gctntcagaa tgtcacctac ctgccagtgg ggcagactgt 180
 gccctcaag cttccctagt gaggcctccc ctgcttcacc ttntccggcc aatcagccca 240
 tattttccaa cattttgaac aatgccttcc ttctacccca ccccgaaaag cactgtgaaa 300
 tttaatgata ggct 314

<210> 8799
 <211> 184
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<400> 8799
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 ccaancggtt acagtcacaa gaggaagagc tgctgaagag gaaagaggcc ctacggaaca 120
 ggctggcaca gctgcnggaa agagaggaag gacctgaggg ccgccatcga agtgaatgca 180
 ggca 184

<210> 8800
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<212> DNA
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 <223> n is a, c, g, or t

<400> 8800
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 gagccacatt tcagcttagg aaacaccaaa atggc 95

<210> 8801
 <211> 80
 <212> DNA
 <213> Mus musculus

<400> 8801
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 taatctggtg gccggccggg 80

<210> 8802
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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> (286)..(293)
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 acccaggtcc taagaaagca gttgtttctca accttcccag agctgtgacc cctgaataca 180
 gttcctcatg ttgtgctgac cccccagcca cagaattatt ttcgttgcta cttcattaac 240
 tgacattttg ctactctcga aaancataat gcaaatatct gtgttnnnnn nnngtcttcg 300
 gcaacccgtg acaggggtcat tcgactcgct aaggggtgga gacccacagg ttgagaactg 360
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 ctggactcaa aggaaaagcc tgacaattgt gagaatccaa ccaaccccg c caagaaccct 120
 cttagttaag gcaaacgtaa aaggtaact taggacaagg acttactaac attaacagac 180
 ttaagctgag ggcagggtttt agccatatat gcttggggag agtcagggtcg ttctcggtat 240
 taccactgta aatctgaaaa ctgtgaagag gaacatnat acacaanaga ccntcggcaa 300
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 ccaaaacagc ctagctgcct tgacntntnc antgntcccc ttnnanccan ttccnacc ca 420
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<210> 8804
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 <223> n is a, c, g, or t

<400> 8804
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gccctggcctt agattnaaaa gcctttttaa aantggagtc tgactctcag ttcctcctgt    120
tccactgaaa tgcctgtca ttcacacaga cagctgtggt ggactgtgct tctcagaccc    180
ttggtgggtg aaaaacagtc gatgttgcct gctgctgtaa gacccaatg caatgtgttt    240
cttaggcccc tagaaacaaa gccaggatg gagttctttg ttcttttgcc atcagcccta    300
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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 cagacagtaa gaggcacatc agataatctt ggctctgtgc tttaaaaatc cgggcagctt 120
 ctctccagct cagttcctta tctaaacaga cataataatg tccatcttac aagactgttg 180
 tgaagcttan atcagataat gtatttaacg tgcttggagc aatgtctgga ccattcagta 240
 agtgtcagct tgtattatta ggagtgacat tagctaagtg agcagtcacc atgccttttc 300
 tgcagtcttt gcaactgtang catgcatacc cagcntnatg atggnccta ggaggggnnt 360
 ntggaacca tccccggnat cagnttgggg tgatagacgc agangngaca aatgacaaca 420
 gaanccatnt gagactgtgt ntcagntctn tntcnccacg gctgctcntn tttntacaca 480
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<210> 8806
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 <212> DNA
 <213> Mus musculus

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agttncctc 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 ggatcagtgat ttactggatc tccaaggggt 420

cagcgttgct ctgccagctg agtgagtaag tgggagcctc gccgatccag aagtcttccc 480

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 gcaggagaat cgggacttca cattagcttc aactatttaa caatttcaag gctagcctgg 180
 gctacatgag aacttggaag tttctaaaca agcaaacaaa acaaaacaaa agccaatact 240
 tatgagatcc actggtgaaa ctactgtgac aaagtccca agactgggct ctgcattccc 300
 tgcagntagt ggtnttgtaa cttgttgac tgtcattaac ngtaacaagc aaggctggta 360
 agatggctca gcaggggatg gtgtgtgctg gcaagcntga cagcctgagt gtcaggaaaag 420
 agctagctcc tgcaantat cnccaatcc cccacacgca caccntcagc tcaggaaaaga 480
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552

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gacaaaacac aacaaggcta agctccagca gctccaacan actgcagcag ctgcagcagc	180
tccaanacac tgcagcagct gcnnccanncc cagcatgccc ggcccacgca cacaggcagc	240
naagcctggg caacatgatc tcgccaccct ctcggcntca gagtgnacag atgatagcgg	300
acagcaaagc agttcnttca gggcnaaaga aagacagacc agtntcntct gaggggctgc	360
tcttgcagtc gaatgtgagc cattcatcca tccctacaga catagccagt ntgcagggtg	420
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<212> DNA

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ccgagaacaa gagctatttg actctgacca tatcagggat ccacttctta atcctaaatt	180
agtgaaaaac agggaccgac agcaagctat ccttaagggg ctttcagaac taagacaggg	240
tcttctccag aaacaaaagg agttggaaac gaatctcata cccttaactg caaaccaaga	300
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<210> 8810

<211> 284

<212> DNA

<213> Mus musculus

<400> 8810

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acacacacac acacacacag aggcataatt ttttaagaaaa ttttccagga ggataattcc   180
acgactatga ttgtggaatg ttgcagattc agagccaagt tatcctgggt catactttgt   240
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<210> 8811
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gggtcccttcc taatcagagc cggatacaac atcatcatcc ccttcaagaa tgtcttcttg   180
catgcaacaa gcttctcctt cattgtggag aaccagcct tcagcatccg ggctgcagag   240
accgtgcggc ccaagaagat caacaacatc acagtctact ttgaggggaa cccgtcgggc   300
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tctcctttct aaaattaact ttccctaagg aggaatagtg cagatgcgca tgattcagcc 180

cagccaactc ccgagaatcc tgtaaagtgt aaaagtgacc ttccttcattg cctgtggatc 240

ctgggggtgag atctgatggc agcacatgcc gacaagcccc ccgcctgctg gccttggcca 300

ggtgcccctt cgatggcatg ggcagagnta cagtattnca ctacnggttc tatkngtgag 360
 gcnaaagtat tattatttcc canagatttc angtatnttn tactcactgg atctgagant 420
 tccanaatta tatatgtnac acatgggtttt aataggaacc aaaaaccaca atatTTTTtct 480
 ntgtggtggg anagttaagc attaggtttt gatcactttt tc 522

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 taaaaatgat ctttttatag acacagtcaa ccactttgac ttatgctata gtaaagagca 180
 tagttgagtt tttggaaagt ccaggatcta caaatgttgt caataaaaca cacaccnaca 240
 gaattactac aattaangan acangnaatt nattggtgca tnagatgaac gttnttttga 300

aatnaatatt tnaaanataa tngttttaat aattinggta attinggata atnttntnta 360
 cnattaagtt gataatgggtt ttgacgttc ttntggtaga gatgattcat ttactgttt 420
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 tcaactggctc agatgtgggg actgctcacc ttaatgcgcc ttcccgcccc agccgtactg 180
 tgtgcagagg gtgcaggaga agggtcctgc ccagggcaca tggctctttg gcgtctcagc 240
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 agggagttgc cctccccctc cctgggaagc aaccgaagaa tgtttacatg ccacacagaa 360
 tgtaacagcc ctngcccacc ccttcagtc actgcatggc ctctgccac cctgtgctg 420
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<210> 8816

<211> 274
 <212> DNA
 <213> Mus musculus

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 tacggaggaa gctggccatg ctctctctgg aggaagagag cgagaagccc ctgattgaac 180
 gtgggagcag gaagtggcca ggcataagc ccaacgaaat caccattcag aacaagatac 240
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<210> 8817
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 <212> DNA
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 actaaagagg aaaaagaaag tgacgtctta ccctaatatg agtttatgaa gaaggaaact 180
 cttttctcat aaagaagggtg tgagaccaca tgtcctattc atactgcntg caaatgaatg 240
 aagaatnadc tcccaccnt acatantgan tgcaaatgaa tgaagaatac tggtgctctc 300

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303

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 gccaccant agcccagacc ccagcccagc tcttgccttt tggaacgtg tcaggattgg 240
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aggccttgac atctatgatt acaggacctg taactgtgat aaaattggag aatgttcatc 180

tttgtcctca tcccatctgg cagggcatca tgcattctggc ccaggattca tgttgagcac 240

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<211> 352

<212> DNA

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 gtcaagggnc nggggatgag ggactgaggt ctaaggngatg ggtcaaagtc cccagggaaa 180
 tggcatccct gtatgaagcc gaacagctgg ntcggtaagn tcagcntngt ntccccgacc 240
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 cctgcgttgc caggacaacg accctcaatc ccacaatcca cttggctcag ttcccaccct 180
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 ctct 244

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caagcacatg aattttcaca cagtatccct cctccctagc caccgtaagc aacactggct 240
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 catgggagcc actcaggaag tttatgaaat taaactttca tgcataattt accatgaaat 240
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 cttaattcgg gaatgtagca tnatatagaa tgctgttaaa cttaatttta acccttttta 360
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 gtcagttaaa aatagttgta aactctttgg gctacagaaa tggctctgtg gttaagagca 420
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aaactacgtg agaagcatag aaaatgagaa agacaccctg gaatttgaga tgcggantct 360

tnagcngaga ctanttgagt ttaantgatn aaantctcca gtcagaanca acagcngcat 420

caaantcaac ctatatttca agacgagana aantntactt cgataantac gatgcctatg 480

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 <223> n is a, c, g, or t

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 ttcattctctc cannnnnanan ntngcnaag gaaagaancg cagcctccaa gaaggaggtn 120
 cacaaccccc ttacnccgag gctganttca ccaagatgct ccctagaaga agatggagac 180
 actgtntcct aagaggatcc tgtaccccag gcnagggtaa ttctccccca ggngcctaan 240
 cctnttntgg gacatcaata agtgtgtaaa ctccaccctg tancctccct tgtccaaaac 300
 aagtcactt ctatgtgcta gatgccagct aatagtagaa attacaatcg ccagcttata 360
 tctgatatac tgtggtttac tcagcnccat ccctaacatg gtcacacagg ccctga 416

<210> 8843
 <211> 452
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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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 ggcccgcag agctccacct gcctgaagga gtggtgctcc 420
 tgtttctat agatatctct ggctggcag ct 452

<210> 8844
 <211> 73
 <212> DNA
 <213> Mus musculus

<400> 8844
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 tcacttttta taa 73

<210> 8845
 <211> 518
 <212> DNA
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 <223> n is a, c, g, or t

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 aagccgacgc gtgcactccc cttcccaaaa cgagtgagag ggtaccgtgg ggcaagcccg 120
 cccaccgct tgggcagcga tggtagcaag ggaccacccg cgttagtgga ccggggactg 180
 gggagacgca gaccacatca acgactctcc atcgccgcct ctttcagaaa ccaagagaaa 240
 atggtgggag gcgaaaagaa aaactaaata aaaagcaact tgtcttagga cctcagctaa 300
 gcaaatgaag ctttcttgcg tgtgctgagc ctgcagttct caaccttcta ggaaagatgg 360
 gaggantggg cgacagaagg cacagcagga atgccccgca gtgagtgcaa ccggagctct 420
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<210> 8846
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 <212> DNA
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 gcctcaccaa cctgcgagcc tggatgctga ggcacgtgcg caacagcaga gggctgacca 180
 gtgctgggaa catgggcgcg agcaagaagc gaggggctcg aaccctccc aaaagcaaca 240
 acagcttgcc tgtttcctgc tctgaaaatg ctctgagccg ggttcgcagt tttagcaccg 300
 gcacgagtag tgggtggcagc agcagcagcc aacaaaactc tccacagatg aagaactctc 360
 ccagcttccc ttttcatggc agtcggactg cggggctacc aggcctgggc tctagcaccc 420
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<210> 8847
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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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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 cggggctntt 360

tggatggcag ctttggaaag ttgacgattt atcacctacc ccaantcntt ntcaagtntg 420

ntntggnant nnttgctcat ccgtgtgatt ttgccaagtg gtgtttggac ttggcgttgg 480

gagttcacac t 491

<210> 8848
 <211> 430
 <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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 <223> n is a, c, g, or t

<400> 8848
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 taaaagtttt cttgtctata attctgttta tgaagagtct gtttttacat ctgagatgtg 120
 tttgatgaaa gcaaacaatga aaatgctaca agacaagcta cttaaggaga tgcatagaaga 180
 ggaagtcttc aacatacgca gaggactaca gtcattattc aaggctcatg aaggaaatga 240
 tgcatagaan ctggctgctg tcaatgaatt ttatgattag ttttttgtgt ataaataaag 300
 cactaataaa gtagctttgc aaagatgcan catctaagca cctctattct tgtgtgcaag 360
 aacctcccga ctcaaatgtt agagatgaaa aacatgactc caaatgcagc ttgtatgtcc 420
 tatgagcaaa 430

<210> 8849
 <211> 456
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

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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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 ttgtgtgatg aatcggggaac catgaagtta ctcttcctgt caaagacacc tggagactct 120
 gccagcaaat tccttacagc tcgaaatacc tactatgttt gtaaagtgga acgtggggca 180
 ccaggtacca gaattgagaa ttctacaaa gctattgtgc ccatgctgaa gaatccagaa 240
 cctgaactag ttgactcgct gcgcacacaa tgtgacttcc tggagaggag cagaataaag 300
 atgcttagaa ntctagaagc caagagactg gcagccatgg aatcntctgt aaatntccca 360
 gcaagntntc ccaaggggtgg tggagcccag cagactacta gcacaagcan tcaactgaan 420
 tctaaagggtg ggcgatcaga tgaagacgga ccacct 456

<210> 8850
 <211> 479
 <212> DNA
 <213> Mus musculus

<220>
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 <222> (307)..(307)
 <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> (354)..(354)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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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 tgcaggaaaag cctccttagt aaagaaaaag 240
 tcattgcca 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
 cctgccaag cctacaggt 259

<210> 8852
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 <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> (97)..(97)
 <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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 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

<210> 8853
 <211> 543
 <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> (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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 <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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 <222> (499)..(499)
 <223> n is a, c, g, or t

<220>
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 <222> (501)..(501)
 <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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 ccctctgcag ctgaagtttt tggagacggt gcacaccctg tgtggacgga tccccaggt 120
 ttttctcaag caaattgaga agacgatgcg aagggcttac gagaagcacg tcatcatcca 180

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catgggcccc aaccccatga gctgagccag tgtctgggac cgaggacgtg gatccttacg      240
ctgcctggat atttgtgtgt gtgtgtgtga atatttaatg gtgctctgtg actgttgcg      300
ttcaaaagcc tgattgtatt ttcctaagtt aattatccct anaagggaat angcttttcn      360
ttatttttctc cngatatctc ctgaatcttt ttatttttta agttatntta tgaatctnat      420
atngtccna tgggctgaga gagaaaaggg gaactttttc tagccctcaa atatgagccc      480
ctgttgatat atgcancntnt ngtgataatc tggatttntt gagaatcttc ctatgcaact      540
tgc                                                                           543

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<210> 8854
<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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<223> n is a, c, g, or t

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<220>
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<222> (456)..(456)
<223> n is a, c, g, or t

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<220>
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<222> (459)..(459)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 8854

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aggaagacaa tatgactatt tcagcttcca agagaagtga atgatgcagg gaagagccaa     180
ttcagccagg tggcagcaat ctggctctgg gcttcctggc ctctgacagg gacgtgcagg     240
acgacccttg gagagaaatg ggtcacttct gcgtcttggt agatggaccg ttacacagac     300
tgagaggacg ctgattgctg aaggaggcag ccagccaagt ctgtagctac ccacctctga     360
atttattgaa gacaggggaag aaaagaaccc caagaganga annngaannc catattntaa     420
aaggaagttc taattggcaa tgagcatgga aaactnacnt ggaantacaa tcaagctggg     480
cacaagagta ctactgtc                                                    498

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<210> 8855
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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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<220>
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<223> n is a, c, g, or t

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gatgcccttg gaaactgtgc aagcctgcat tctttgcctc cagctatgtt cctggactcc     120
tctgtgttgt ctgggctttt actgtacnng tctgttcnc tgttaaataa tttttncitt     180

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gtgcccttgg gtatggngga gctgtttcta ccagtatgag gaacatgcct ggccgggatg	240
ctgtgaagac cccataggtg atcctgtgtc tagctgtcag aaagattata gaactccctg	300
cgacatcata tccgcaaatt ccagtaaagg gtgtcccaca ctccaaagca cgaagtcctg	360
ctgctctcct ctctgggaaa tggaggtcag ctctccttag gagaggaaga aaaggacttc	420
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<210> 8856
<211> 325
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agatntccaa gccgaaggan cagatgttca canttccagg agcgggccagg accaattcct      180
acatcgcacc tgccctgtta ctttcaaagt ctgtcttttg tctttggaga tcacaaagcc      240
ttattgcata tgatcagatt aaagttaaaa ttctgtagat tggacattta cggataatat      300
gacgtgcttt tataatcttta acaaa                                           325

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<210> 8857
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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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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 8857
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caaccccaca tgggaccccg cggatcctcc ccgcgtgggg acggcggcct cgctcaccat    180
ggcgcggtt ccaanttcgc ctncctctcc gctcancnc cggcagatgg tcnatantgc    240
tttctcaga ttcncaacaa agcgggtaat atggcggaca ggaagtgcc gccactatg    300
actgaaggct cgtctcgaag ttctgattgg ctactgaggc ctgagtgaca ggagcagtgt    360
ccctaagaga catcgtgttt cccatctccg gcttccacta caggccaaga gcgggcctag    420
atcataaggc aggcattgct gtagaacttg ttcctggact gcaaagtgg ccctgcactt    480
t                                                                           481

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tactactgag ctacatcctt gtccctcgggt tttcacattt tatttggaca tggggcctta 180

ctaaattatc ggtgctgact ttgaactcat tctgtagctt gggttggcct tgaacttgca 240

gtgctccagc ctcagcctcc caattagctg ggattacagg acttgtagca naggcccanc 300

taaaaanacc ctattcaaaa aangngctg ggccagccaa gtatctatgt gcaaaagagt 360

gaagttgact ctcttcagcn ccgtactcct ccncctcat ccaggtggat acagtgtatg 420

tgtatggaga tgtcncagtg aaactcattg ttttgtactc taatttataaa attcataaaa 480

taccaagtca agatgaatca ctgacctaaa tgtaa 515

<210> 8859

<211> 400

<212> DNA

<213> Mus musculus

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attctcagga catggtcaga atgaagccgg atcctttttc caaataacac ataaatggtc 180

cccagctcag ttctgatcc agtccttggt tccctttgaa accccagcaa ctgggcattt 240

ctctcagcat tcttctctat gatccacca gaattgccca ctaaactcca ttttctaacc 300

ccaggttcca aactctttca cattccattc acagaacagt ctcaaaggaa gaagagccac 360

ctgggtgaggt tcattatagc agtgacctca cttcttgtaa 400

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 gaattagctt caattcttat gcttttgctt cttcatctat agagtgggat atgagtatct 180
 atttcataaa ctgctggtat gtactaaagt gagtgaagta gaaaaatgag gtgtgcatct 240
 caggcctgat gaagtaagag agcatggagt gacatttgat tggtaactgg agaggagca 300
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 agctctgtgc ctggagggct ctaaagcctg aggcgactgt agccgaacca aggagcctgc 180
 gtttgcccg aagcaggctg ggaggaagga cgctcacagc ctctgacaca gtggattcgg 240
 agataaggac ctgatagcgt agtatgactc acactcctat ggacttggag aattgtggtc 300
 ccgaggttcg gccgaccaa caagcaggcc cgacttagag tgaaccgtga gaggcctcat 360
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 tcatccagtg agtacaagag agacttcagt ctgtctcagg tgctctcagt tgtgctgtgt 180
 gtggttttatc agtcatggat gaacgtcaac atgaggccgt tcccagacca gcgagacnnn 240
 gcaccagcag gaaggcagat gaatacttaa agcntagcct aggcaagaaa aatctgatga 300
 gcttttttact aggcagacag ctgggaaggc agaagagtga ttcagaaatg tcaaagtggc 360
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 tgctatggag tctttaaaga ggtagtgatg ccatcagcag aggccctaca tcagcagtgc 180
 tagtgtccat gcaagaagag gacacagggg cacacatgct cacactggtg agtctatggg 240
 aaggcacgag gagaggacag ccatctagac accaaggaga gtgagcagga agacccact 300

gacagctgga tctcagactt ctgatctcca agtttt

336

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 aagtttgtaa caggacacta ttaccgtggg tgtgcantta aggctgtctg tcctcaggag 180
 acagctntac cttgcctggc tctgtagtag acagttcact tacacaggac agcgcttgct 240
 ggaagatcaa nttttatatg gattttaaag aaaatattga agacaaaaaa ttctatttta 300
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 gtctccggt 129

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 <212> DNA
 <213> Mus musculus

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 tggagtgttt cagataaagc tataaagtgc agacatttct ctgaagttaa tctgcgttca 180
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ccaccagtnt gggccagctg gtgtgaagt cctccacggt gtggttccgt tntgaantcc 120
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<210> 8868
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aagttcctgt attttca 137

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tttttcctct gttctccagt tttgtgtctt actcattact taacatatat ttacatgcct 180
gcttttctaaa antagctcta gttctaatta ctctgcttag taatttccag gaccatttgg 240
gctgaagatn aaatgccaga tnttccttga aaaactactt ttaaggcatg tagagagagg 300
cacaaaatta tacttcttga caattctgat gtgtgcccgg ggaagcagcc cttccacac 360
aaacaccacc gctcccaatc tggcagggaa ggccacagct gccagcgtca cgtgtaggca 420

gatgcagagg ataaaggagg caaagaggac agttgcaact gccaatcttc ccaatccttc 480
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 gcagncttg atgtaggggt gtgcctgctg cccaagactg acctccagca actcctgctc 180
 ctgctgctgg agagaatcca agagtggcct ggaaagctcc agccccttg ctgtgccctg 240
 agctgggtgt ccgaccacca ccacaacctg ctggccctcg tgcagttctt cctggatgtg 300
 acgcctcggg gcaggtgggt gcttctcaac cncannnnan ngggatcttt caaggatcta 360

gaatctttcca taccaacccc aacaaacaaa ctgtctgcct ggttttctaaa gtctca 416

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 ggtatatatt ttatcattga aaggagctgt taatgcaagt ttttatttga gaaaaacatt 120
 ttgttactaa agagtatfff gcaattctct ttctggatgg ctgtagatct tcatagtcag 180
 cctgtgtggg agctgccatt gaaccatacc ttatttaaac ataaatgttt gggctggaga 240
 gacagctgag tggttaagag gcctgactgg tcttcccgag gacacagatt cagttcccag 300
 cacatacaca gcacctaaa 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 ttcttccctt cgagatgcct ttcttagcct tgtggctatg     240
gaaagaggta atacctttag aggaacgtgt gtcangcaga gccttggcac agacatggtt     300
tcagtggctt tcaggcttga tcgatgagat gccttgatct gctctccaaa cgtttttaca     360
gacgagcata ccagatagag gagctggatc tcctgctctg ctactgcct ggagcccatc     420
tcctaaagcc atcgtcagtg acttgtgcaa atagcaagca gtcaagtgga atgtgcatgt     480
gaacaagcca gcagggcctg acacacactt gagttcctgt ctagcatatt cgcg          534
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tcactaaaat tcttttatgt gtctagttaa cgaagtatct ccccttgatt tatttttggtt 180

ctcttttgact acagaacatt ttcttgctta cagtgaacaa ttgtttattg ntatactntc 240

caanttcttt ttntgntttg acggcagaag ntnaaactga tatgctntca aaatntaagn 300

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tggaggctgc tgtgactagg gaaggtaacc ccatttcctn tagcaaaciaa gggttcagta    420
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<222> (356)..(356)

<223> n is a, c, g, or t

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<222> (358)..(359)

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tggatgtgag gaggacgcgg gcggcggcag ctgaaccgcg ctgacaggcc gagccagtga 120

caaagagctg gcggcctagg ctgaaaccgc ggaaacaatc cttcctggag gagaacacag 180

tccttttaaa gataggaaag atgctactca cgttgtcgat cacaacaggc tggttggcga 240

tcacatcgta ggactccatg gcagaggaat ntttcntcc gaggaaggaa ctncagccc 300

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<210> 8875

<211> 448

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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tcttctggct ttctctggta ctggacacat aagtgggata cacttgtaaa ttctacaaaa 180

cagacacaaa cacacacaca caatggaaga ccaatatgat ttgtagatgc tgtctcaaaa 240

taggttgttt tgcagagcta ttctaagatc agaaaactgt tttgccttag gctgggcttg 300

ganaagtcct tgactgcac ctagntaana ccagaataga ccttaacaag ctctgtctga 360

aatcttaggg tatcagnata ctatttcagn tggttccact ctttaatgag cagactctgg 420

tattcaggat acttcttgta actcaaca 448

<210> 8876

<211> 476

<212> DNA

<213> Mus musculus

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gtgagaccac nagtgggncc cgtgcacctg tcctttcctg ttctttctca gtntccggca 240

gacanaccct ccgtatcaac tttnacctna acaattaatt gnattcaaga gtattntgag 300

aantgcccc a gagctttcaa gggagtnttg gccanagaaa gattggagcc agctgntctg 360

ggcacantnt tcctgaccca cacctgcagg ttccagaatg ntntntgat acagtgactg 420

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cgnggntgag aatntanttn tagaggttga agaacatttc caagntntga ntacaacatt 180

aaacctnaga atggaagaga tgggaagtng catcgaggan ttacagagaa acgtggatga 240

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 tatccatgct gttctcctcg gtcattgcagg ccctcagtga aacgttccag gatccttgaa 420
 gttggactca agagtttctc cccacagaag aggccaaact accacctgtg gatcctgctt 480
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 cttcaacaaa caagtcagat gacncgtaag tgaggnaaac tncaaggcta aggtggatcc 240
 aggggcagga caaactgttc gcacgcctag catctntgga ctcnaccctc caagcgcttc 300
 cccgnnnnnn nngtcttgtc gcgagaacca gaaccgtcgc tttcaggaac tctccatact 360
 acagagtgtc tctgaacgtg tacaacacta ntaacggaag naggtcaaag ttcagaaaga 420
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 tggtgacttt naactgatcc tttncctntn cctcataagn gcctggatna tatgggagta 360
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atctaaatgg tttatttcag gtgctggata tcacatcgtc atggagaagc aacaatattg	240
tgatgttgat aatatcattg caatgattca gcagcatggt ccagggtgctg tgttggaana	300
taatatagaa aatgaattat cattttatcct 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 gagatgtcc tggccttgag ctccagttcc tgcagtctct agcattccag	300
attccaagct caataaataa aggtgtttgc cattgggtgat ttaagttcag ctccccagac	360
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 cgtagagncc aactgatatt gatacnagct gctcgncccta gattggacaa atttctctac 240
 aatactctat tattantcta tgatattcat aactacctgt ggctatttcn agccacttgg 300
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 aaggaaaagg cagtagtatt acccgccgtg gagaattaac caaaacaatg acagaaagcc 180
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 gcactcagca gctactttca gcaagccgac tccaaaatta aggtctggag ctctaactctg 300
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 gatcnagntn ttgggcgcnc ctgggaattg cnnccnnnc acgtaccttg gggaccacat 420
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 caagggcaag tctgtctcct gatgttgnat ccacagtgc aagaaaatac tgatgagctg 180
 tgatagtcac tacttagtgg aatcattatt ttgagaatt cctgtaaata agttctgtaa 240
 ttctgcattt attaatgatt taaaatacta gacttttatg ttataaaaag taaatcataa 300
 tgtacttaat gaaaatgaat ttactagctt atatttatgc tacaaattat actttattat 360
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 accgcttgcc taaccctaac cctaacccta accctaacgc taaccctcac cctcaccctc 180
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 cggctgtctg actcgagcgg tagctccata gcggagtctg agccctctct ctgtttctggg 420
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 agtatatgga tttcaatcta agccctgaca ttaagcagct gatgaccana gatgagtgtg 240
 ntcntgtaat ccatcatcag ccctgctaag tacttcttac aaatcggccc cagtgtgtgg 300
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 cgtagaagga tttgccatth tgtgtggcaa cctagtcctc ggtcnttcca atttcctttt 420
 ttttttcttt acaattttct cccttatctc tgaaatgggt ttattctttc cccacaagca 480
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aaaagaggac cgggaaactga aggaggagaa agatgtccaa aaggaagaag aaattcccga	180
aaatgcaaac actgaaaaga tttccatgga aacactgctc aaagtgtttg gaggaggaaa	240
tgaagtactg gatgccaaaca 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 ggaaggctcag acacctttag atctggcgac ggctgatgac 240

atccgggctc tgctgataga tgccatnccc cctgagncct naccnacntg ttttaaacct 300

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nnngcnnncnn tnnntnnnnc ctntcnnatc tnnccagnnt ccaccccctc cnnccntntnt    360
ncnnccanca ncanagataa cctcactngc ccnttaacgn atctggcngt aggagggggcc    420
tccnatncag gnganggcnn tncnggtnc aagaggaagg aaggagaagt tgcggntctt    480
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 tgtgcangga aggacattcc aaaggaagta cagcggagca gaaccttctc tgtggntggt 240
 tncttgttca cacaatcctg gagangccag tgccgcccaa cttcacaagt atccataang 300
 gatccagann nngtcaccca ttgccggtgt gaggctcctg gtggctgggt cccgggcccct 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 gggttttttg gcaatgtagt agatgaatta	300
aaggatttgc catataatgg cccnnaannt annanannnn caaatagaaa ttttaaattcc	360
aggaattatt ctagcaaanc tcctaagatg tttatgggga aatgatattt attaaaggnc	420
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cctntcaaac tgtntngcag agaattangt cagatttctg ccatggagct gtcattgcgg 240
cgatgcantn ttgnagctgg gggccggtca atgactgctg attcccttga agaccccgaa 300
gnaaactagt gatttcaaag cccnggcact gaacaataaa acttctaatt tagtaaattgt 360
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ggacacagga aaggggggtt gcnccantcc tatgtangac agtgtatgtg ggggctttgt 480
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 cgactaagga gaatgtggtg tctctgttta gacaggtgga tgntctgaag cagagaatcg 240
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 caaataactt taaatccatt accagagcat tcagtgagtc acttaataaa acttattgag 180
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ccctctttct gttttctacc ctaccacatt cccttctntg aggaacactt cctacttccc      180
cactttcatg atggccatgc ccagctcctc ctgtctatcc aaaatttcct ccaactgccc      240
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accgatggat agatacctcc tttctgtttc gcgtntgagg ccttcagcca gccaggccaa      360
ccagnngaac ctgaaatgct aagactacaa gattntcaag taactccaag acccaaagtt      420
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gggtctggat gagagtgcct gtggtgttga gcaggcaggt gagcctgaac cgtactcctc      180
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 ggtctccggt caaaaagtgg ggagcgctgc tgctgtgcag agctcattta gttccacagc 240
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 gcagcgctgt tnttncaggg cgntcagaca cagctgagga tcccatttta gtgttataaa 360
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 gtantntcag ccatgatgct attntnttca natntnttta gatgaatgga aggntcaacc 360
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ctcagntcat cagggcccct ttaccaatg agctatTTta caggttctga aagcaggttt 180

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 atccgnaaag tgtaccgaaa caagttgctg gagncagagn cgcttgaggn atggaggcct 180
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 ctacacanaag aagaagaaa taggaaagaa aaagtaacgc ccccatgggtg cactatgccca 300
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 agccaaggaa gccatcatta aagatgctaa tacatnanca cgntnttctg taagggaaac 240
 tgcttgagcc tcctacnntn tgccctccgg tttcntctg tccgttttct tccccagccg 300
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ttcctctgat ggagagaagg aatagaaatg ctgtctggct caaggaacct gntgntggct 180

gggantnatn actgntcctt ngcatggaat gntccgagga cagaagccca gntgagagct 240

agttatgcnt tcntaattha tgggtgggtna cagaggggaat gaggctagca ttcctaagtn 300

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 gtggattctc cgccagtttt tctctggcga aggcaatctt cagcttaagt gttcccgcgt 180
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 gcgaccgggc tgttgaagtt ttgacctca atgctggctg cagcgctgca gtgcttgctg 60
 aagtccattc caggcctggt catcgaatnt gtcaaaataa aggatcatcc ttgttagccc 120
 agcattccct ggcatataat cttttinctga cggcagctgt tggtgatggg attcgactgt 180

```

gggacttgag gaacttgagg cttatgtgta tgaaatgggc tccagcagct ttctgcaccg      240
tcttgcagga cacacagata cgattactga agtggccttc aaccagcag ctcctcagct      300
tgtcacancc accttagacg ngaaacttna gctatttgng gctgantgat naccntcatn      360
ctggtaagaa tncaagaaga gaggagagaa agcatccatg gcttagctat tgaagtcgat      420
gggcagtttc cataggagnc cttgctncac cctntttctg taggactgac cctcatctga      480
ga                                                                           482

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<210> 8913
<211> 389
<212> DNA
<213> Mus musculus

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<220>
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<222> (240)..(240)
<223> n is a, c, g, or t

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<220>
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<222> (253)..(253)
<223> n is a, c, g, or t

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<400> 8913
tgtgacctgt cagcctgcag aatcacatga gccaatgaac tcctcagcaa aaaccttgaa      60
tctcattggg tttgtttctc cggagatcct ggatgtatct gctgctatgc gtatgtatat      120
gtatatgctg ctatgtgcta tcattctacag gggcgtaacg cctctactgg tctcaggaga      180
caagaccttc aagtaacaca tggtaccctt gtaggttttc ttcggttact gctaaccctn      240
aaagcaaaca gtntaagaag agctttcttt ctcaaaaaag ctatccttag tatctcttag      300
aagggctctg cgctgaacaa taaccatgta gtgatcatcc tcccggcaag tatccaggtc      360
tcataaacag ggtggctaga cgctattct                                         389

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<210> 8914
<211> 512
<212> DNA
<213> Mus musculus

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<220>
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<222> (316)..(316)
<223> n is a, c, g, or t

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<220>

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<223> n is a, c, g, or t

<220>
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<222> (346)..(346)
<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> (374)..(374)
<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

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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> (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>

<221> misc_feature

<222> (449)..(449)

<223> n is a, c, g, or t

<400> 8914

ggaacgctac tctagaaagg tgtttggtgg aggccttcct cctgacatcg atgaagatga 60

gatcactgcc agcttttcgca ggtttgacc ccttggtgtg gactggcctc ataaagccga 120

gagcaaatcg tacttcctc ctaaaggcta tgctttcctg ctgttccagg aggagagctc 180

agtgaagct ctgatagatg cctgcctgga ggaggatggg aaactgtacc tgtgtgtgtc 240

cagcccaacc atcaaggata aaccggtgca aatccgaccg tggaacctaa gtgacagtga 300

ctttgtaatg gatggntntc agcctttgga cccagaaaa actatntttg ttgggggagt 360

tccangaccc cttnagntn gtgagtggna atagaaacag canagcaaaa gcgctgagtc 420

cccaatgcct tagntntggn tntccagtna gccaccctca gcctcaaagg gaagcctgcc 480

atggcagttc actgagcgac ggcctaattg tt 512

<210> 8915

<211> 483

<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> (289)..(289)

<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> (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> (348)..(348)

<223> n is a, c, g, or t

<400> 8915

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gagatcaaag atgacgcagc cacaaaggat gattntcctg aaaaaaaacc caagaagatg      60
gtggttgaag cgcacataga ggacattaaa aaaacgcaac agcgcagttt aatggactgg     120
agctttactg aatattttca gccaaaagtc ctgcttcagg ttcttcagga ggctcaccag     180
caataccgat gtgttgactc ttactaccac acgcaggata actctttact tctgggtttt     240
cataatccaa tgaatctaca gcgtctgcaa tgtgaacatt ggaatattnc tnttcactcc     300
aangtcggat tcaggtgact nagataattc tgctaaatth tggctgantt tgccacatag     360
gttttggttc cttgatctgg tctttatggc tcaactcaat gaaagcattt atattgtggc     420
atagattcaa ctgagctccc taaattaata tgtatcatgt gctatggttg tacattgtgc     480
tta                                                                 483

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<210> 8916

<211> 474

<212> DNA

<213> Mus musculus

<400> 8916

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ttggcactgc agacacctgc gttcatccag cagcaccaag gtcaagcagt tgtcacctgg      60
gtgtgccctc gcacacctgc cttttgctgg ctttcagcct aaggtaccct gtcacgccca     120
ttccctccag aacacctcag cttttacatt ctaaaccatga aggaactcag atctggcaga     180
gctcctcccg gctaccaggg gcacacctca gcacctcatg gtctcctgag gtcttagctc     240
gctctctctc tgccactgat ctggcacctt gctgtggtct gaatgggttc ccagaaatcc     300
atgcattgag accccaccac tgatgggggtg ttgccagaat gtgggtcttg tgggtgggga     360
ggagttaggt tgtgatgatg gagccctaaa gattgggggtc tgtggctttg aaggcacttc     420
agcccaccca tgtatgagta ctgagtcggg gagtgccacc taaaaccag gctg           474

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<210> 8917

<211> 173

<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> (63)..(63)
 <223> n is a, c, g, or t

<400> 8917
 gttctgccag aaagtagtcc agccaaacca gactacatta atttagctag cagtatgnag 60
 tcntattctg ttttcatggg cagccatcct attttctgaa agactcaatg aagccatagt 120
 cacattaata ataggtttag ggatagcatt acacaatgaa cttttcctct tac 173

<210> 8918
 <211> 451
 <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> (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

<220>
 <221> misc_feature
 <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

<220>
 <221> misc_feature
 <222> (331)..(331)
 <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> (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

<400> 8918
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 atctaatacaa 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
 aattcggaag gcctttctttg cgtcttcacg gctcacagta cgtcaaagga ttcacactaa 60
 gaagaaaacc ttgctgctgt aatgtctgtg gaaaatcttt cagccagtgt gccacttta 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

<220>
 <221> misc_feature
 <222> (61)..(61)
 <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> (67)..(67)
 <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> (82)..(82)
 <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>
 <221> misc_feature
 <222> (203)..(203)
 <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> (539)..(539)
 <223> n is a, c, g, or t

<400> 8920
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 nagngtngtc gtcgcanccg tntgaggcgg tgggccccga gtggtggcgg ctggccgtgc 120
 acgtgctggc tgtgttcaaa cagcgnngcgt ggcccgtgcg ccgcggtggc caggaggcct 180
 gggtgccacg tgctgacctt atntgcggct gcctgcgcct gcgccctggc gctgactacc 240
 tcctgctggg ccgtgctgcg cagnccacg acgacgacaa ctatgaccct gcgcgcctca 300
 tcctgaaccg ccacggcctc gcgctgcctt ggagaccacg atgggcccgg ccgctgcggc 360

gactgcagca gaaggagcgc ggaggtgcct gccgaggcct gctgccaccc acacggagcc 420
 ctggggccag gaactaaagt gagctactaa tgtaaggtgt gagtccccag agccaatcag 480
 aagcttcagt gcccgtgacg ccactccgca tgtgacgttg cctacgttgg gaccggaant 540
 gactgcttgg acctgtgagc cttata 566

<210> 8921
 <211> 432
 <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> (251)..(251)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (330)..(330)
 <223> n is a, c, g, or t

<400> 8921
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 ttctacagat ggcccttttac gtggagcctc agatacgtac agcctgtcta aagaagccgg 120
 gttccagaag cctgccttgt gggagttccc tgccctcttg actgacactc ccctggactc 180
 cgccccctca cagcatgaag cagctagagc ggtcatcgtc ccctttcctg acaataattg 240
 gtgtcaatct ntgaagtggg gaaggaaggc aggttagatg gacataggta gactaggaaa 300
 gtgagagcag acttcctgac acaaggcttn ttattctcag aagacactgt gagacagggg 360
 atgaaagctg aaactataga ggaagggagg acaaaggggc cctataaaat acctacgcca 420
 gaagcctttt ag 432

<210> 8922
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 8922
 cagaggagct gtttgccgtg caagtgaagc acattgtctc accggatgaa actacgtcag 60

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attcctgttc agcttatgca gtaccagcc 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 gtcctgcag 360
ctgtccagaa aaaaagtttt ctgttagatt tgtaccactt caggtttgat ttttaacttgt 420
tctgcagtgg ta 432

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<210> 8923
<211> 369
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

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<400> 8923
accctgacta atacatggtc catcaaaaag acccancaaa taaatagtgg atagtgtcgg 60
aaaagtccag gcaggtaaata aaagggttagc aaaagtttgt atcacacaaa caatgtgtgt 120
ggaatgctta ggccttgttg 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

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<210> 8924
<211> 439
<212> DNA
<213> Mus musculus

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<400> 8924
gaaacccagc gtgttttggg tctctggtgt ctttttcacc caagcctttt taactggagc 60
tatgcagaat ttgcaagaa aatacaccat ccctattgac ttactaggct acgaatttga 120

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ggtgattcct ttcgattact ctgacacccc accagaagat ggcgtctaca ttcattggatt 180
gtatcttgat ggagcacgct gggacagggt 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

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<210> 8925
<211> 497
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

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<400> 8925
aagtgttttc aattgcagag ccatctctac acttttagaa gcaagtttca aatcagcctg 60
aactacatag tgagacttgt ctcagaaaat caaaatattt tttaaaatta aagatatata 120
cttcagctat ctgattttat tttatgcaag ctgctaaaaa aatagaaacc catttctaatt 180
gacagaaaat agatcagtga ttgcctagag acagaattga ctgttgaggt attgggcatt 240
ggggcaatgg aaacatgatt tagccctcag agctcttggt cctcttgagc agaattccat 300
ttggttccct ccacacatct ggcagcttac aatagctctg ttttctggaa atctgacacn 360
ttcctcttgc cactgaagnc accaggtaca catgtggtnc atncaagaaa tattcatata 420
cataaaataa aaatatTTTT aaaggtattg ggagctttta ggaagtattg agctgggtat 480
aatagcacac atcttta 497

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<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 tttcctaattg 180
 tcttaggaat gtcttctttg cagttgtctt cattcctgtt tgtgtacata catgtacatg 240
 tgtgtacacg ggtgcactgt taggtctcaa acccagaaca aatggctgag gcgctcatta 300
 atgtatcaaa gcagacagtg gccaccatgt tctgcctgca tctttcagtc cctacctgtt 360
 atgtgatatg gttggcatat ccctgcccct accctaaact ccaacctcga ggctggggtg 420
 cccttctcc agctgctctt ctgcccataa aatccagctg ttttggttac caatcctttt 480
 tggtcacct ttactctctt g 501

<210> 8927
 <211> 449
 <212> DNA
 <213> Mus musculus

<400> 8927
 ggaccctgag ctgatgaact atgacactgc tgagggtggac atcttggggg tagatggagt 60
 tctgtacaaa ggccgaatga gcagccagtt tgggactcgg actggggaga aggacattgc 120
 agctgtgaaa gtttcatatt acaccattcc aaacctgact gatcgtgtgc gccaggatc 180
 cttacttgct ccgggctatc cacccttgag ccccgccacc agtatcacct ctgccaccac 240
 tctacactct gccaccaaca ccacgacggc acggccacca tccctgccac cagtgccaca 300
 gctaccacca ctgatccctg tctcaagga taccgaagag gccctggat ctgccaagcg 360
 tttgaaatct ccacggctgt agcacaccaa cccgtgaaac ccaagcctgt gactcaacta 420
 ccattgggtc cccttactc 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>
 <221> misc_feature
 <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>
 <221> misc_feature
 <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

<220>
 <221> misc_feature
 <222> (284)..(284)
 <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> (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 cccaacttt gtccctttta 120
 caccaagcac tgtctacca gccaccagat gctggcaacc tctgttgtct gtctctacct 180
 gtctgaccca ccttggcacc tcatgtcagt ggatcataca tccattgac tttcngtgan 240
 tggtttnttt tctggnacat gngtgcaca agtgtaatg 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>
 <221> misc_feature
 <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 aatagaatth tccgagagaa acaatttgaa gaaagacggc 120
 ttaaggatth 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 agtggaaattc cncatatatg aacagacttc 420

ntcttacaca tggacaaaca gaaccactg 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
tcttggtctc ccagggccac caggaaaggg caaggatggg gagccgggac tacgtggacc 180
acctgggtta cctggtccct taggaatcaa gggtgaccga ggaacacctg ggattcctgg 240
ctctcntggc agccgtggtg acccaggcat tggggttgct ggtccacctg gtcctcagg 300
acgaccagga gataaaggac ccccgggatc tcgaggctta cctggattcc ccggcccca 360
gggaccagct ggccaggatg gtgcaccagg aaaccagga gaaanagggc ctctggaaa 420
accagtatgt cacctgccgg gtctggatga atgctgactg tcag 464

<210> 8931
<211> 456
<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> (240)..(240)
 <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>
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 <222> (343)..(343)
 <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>
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 <222> (369)..(369)
 <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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 gcccttcaag atcacaggag tgttgcgatt ttgcttcag ttgggtgtgag gatgggtgtca 180
 ccctgtcagg attcctgtga gtgcaaggca gcaccgttnt gaagggtntg atggctgatn 240
 gaagnggaat ggtgtatacc tgtaattcca ccaggaataa aaaaaaggaa aagaaaaaga 300
 gaaaagaaga aagaaaagaa gcctataacc ctgtaaacga canacattta gtgataattc 360
 atggantnt tgctggcctt tgcctnacc cttgtcagtg atgacttgat cacagaacag 420
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<210> 8932
 <211> 257
 <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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 <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>
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 <222> (115)..(115)
 <223> n is a, c, g, or t

<220>
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 <222> (132)..(132)
 <223> n is a, c, g, or t

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 aaataatttt tntttgatat ctgtattgaa gagtacaaac ttcagaataa aatcacatgt 180
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 <223> n is a, c, g, or t

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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
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 gtgggggttcc agccattgtg acattgaaag aagccacgaa gagaggatag aaagtctgtg 120
 gagcacgctg tctacctgca gctgttagag atcccatctc tctggggctc cacagtgaca 180
 ttcatgttgc atgtccctct ttaaccagtt tatccatctt gctttcatag cctgtgctac 240
 attgtcctcc ttctatatcc agcacatgct taataagctc ctgtactatt cttggcaccc 300
 gagggtcact gatggacatg 320

<210> 8935
 <211> 415
 <212> DNA
 <213> Mus musculus

<220>
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 <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> (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 gggcccgtg gctttgcagc 300

acattcctgg ctgggatctt ccattgtcat acagtgcac cccagaccct cgctcagtcg 360

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<210> 8936

<211> 400

<212> DNA

<213> Mus musculus

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<222> (37)..(37)

<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

<220>

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<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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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
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<210> 8937
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<212> DNA
<213> Mus musculus

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<400> 8937
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cacaggaatt agatggagtt ttatTTTTgt agtatgtgtg cgcacacgtg tgggtgtgca 180
tgcattgtgtg tgcattgcaca tgtacttagg tgcctgatga ggccagaaga ggggattgga 240
tcccctggag ctataattat aggttaagcca cccaacagtg tgtgctggaa acccagctgt 300
ataagaacag caagcacttt tgagtcattt ctccagactt aataaa 346

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<210> 8938
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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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<220>
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<223> n is a, c, g, or t

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<220>
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<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 cagttagcaa 120

gaaatccttg actttgccag agtgattggt anttgaccct atcaaggaac cagaactgat 180

gtggctggcg agagagggta ttgaggctcc attgcccaag ggctggaaac catgccanaa 240

catcacaggt gatctttact atttcaactt tgacacgggg cagtccatct gggaccatcc 300

atgtgacgag tactatcgaa agttgggtcat ccag 334

<210> 8939

<211> 327

<212> DNA

<213> Mus musculus

<220>

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<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 ttactttctgt acaagtantc cttcatgagg aagagagacc 240

aagtctngaa tgcggtgaag taagcagaga agattttatg gcgtttcaca aatttntctt 300

ggcctccgag acagcaaat aatcata 327

<210> 8940

<211> 185
 <212> DNA
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 <222> (60)..(61)
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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

<220>
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 <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 gccccgcgat atccgtggtg 180
 tctttt 185

<210> 8941
 <211> 361
 <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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 <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> (219)..(219)
 <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> (322)..(322)
 <223> n is a, c, g, or t

<400> 8941
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 ncctttctca gtgggtcctt tgttttaagg aggctgttg tactgtgtgg ttgttcttgt 120
 tgcnngttgn ngttgntgtt aacgggagaa gaaaacttta ctaanacaaa tcttaactac 180
 cttatcctga aggtgtcgcg gtgagagcaa gctgactcng catggccccc gcatatccgt 240
 ggtgtcttta tcctacctta cttggaagtt cgttncaaaa caggcagttt tagaatttga 300
 gattttgaga ttgtttaaaa antcctagtt ttttgatgta ctgctctttt gtggtcattt 360
 c 361

<210> 8942
 <211> 330

<212> DNA
 <213> Mus musculus

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 <222> (178)..(178)
 <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> (230)..(230)
 <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> (238)..(238)
 <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> (250)..(250)
 <223> n is a, c, g, or t

<220>
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 <222> (282)..(282)
 <223> n is a, c, g, or t

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 gcggccgcgg ggacgagcag ggctccggcg ccggggatct ctatttctct ctctgtcccc 120
 gatgtctgcc cggcgggtggc agcacgtgcc tgcagactca ccaacccggt cagcctgnag 180
 agatccagtt gtgattcctt catcccagct ctcncaccc gccctaaan tggcnggnga 240
 ctgccantcn gttgcacgtg gccggctcac tcattcatcc cnagaaaggc tcgtctgagg 300
 gcaatgctct gatagttaat gggtactgat 330

<210> 8943
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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> (116)..(116)
 <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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 <222> (141)..(141)
 <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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 gcctttcttca gtgtncnccn ccatgttttn tgggacccaa aagnnaatgt gagaancaga 120

gtnttcattt ttggcagttg nttttgttta tttttcaacc agatanctgt tgtgtttttt 180
 taaaaatgta agaaacagga ctgaaattgt aaatactttg taaacacaag cttttgtact 240
 tgaataggat t 251

<210> 8944
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 8944
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 gtgaccacat tttcacacta gtggatgacg tcgggtctga tgttggagga ggtataagga 180
 ccagctgagg ggtcagtggg ctccaggatt cagtttgtgt aattgcttcg caccatgatt 240
 acatttttat catgatgggt gtgggttgatt tttttttaac actcagtggc agaatgcttg 300
 ccactcacga gggagga 317

<210> 8945
 <211> 368
 <212> DNA
 <213> Mus musculus

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 <222> (113)..(113)
 <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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 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
 <211> 245
 <212> DNA
 <213> Mus musculus

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 <221> misc_feature
 <222> (146)..(146)
 <223> n is a, c, g, or t

<220>
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 <223> n is a, c, g, or t

<400> 8946
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 ggacagaaca acttttctcc cacagtccca cgtgcacgac gttacaccgc gacttagttc 120
 ggagtcttta gttctcagcc ctcccnttcc gtcctcggnn tctggaacag ctgtgggggtg 180
 gatctgccag cattaaaagg gcagatgtgc ctttaatccc agcacttagg caggcggatc 240
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<210> 8947
 <211> 311
 <212> DNA
 <213> Mus musculus

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 <223> n is a, c, g, or t

<220>
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 <222> (140)..(140)
 <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> (172)..(172)
 <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> (270)..(270)
 <223> n is a, c, g, or t

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 gactctgggt tcttatctcc aaactgtaaa aattctatcg ggcaaaattt ttgagacaaa 120

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tccatcttag atantcttgn aanttcatta agaggggaagt agaaggggaat tnaaantgcc      180
tggttcaccgg ggataggcag aggcatacac caaaatcttt caagtagtgt actcagctat      240
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tgaaattttt g                                                                311

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<210> 8948
<211> 332
<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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<220>
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<223> n is a, c, g, or t

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agaagcagaa gagacntctg cctctctgct gccccacca cagggcctgc ctttgttagc      180
cagagcacct gtttcagtgg gagccaggag aatgactgag taaagctgac agcatcttca      240
ccaccacgc acagaagtta tcttgaccaa atggcctatt ggtacctact ctttaatttat      300

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tctttcaagc actcccccta aatatgtatt tg 332

<210> 8949
 <211> 311
 <212> DNA
 <213> Mus musculus

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 ggtttcttgt ctcacgctgt aagaaatagc gaattaatct tttctattaa atactataaa 120
 aactttttatt taggacaagg aattaagatc ttttttgcct ctcccatctt ataagacttg 180
 caaatatttt aatcctacta cctggtaaaa ctccagttta ctcagagtga ttccttcccc 240
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 tcggacccca g 311

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 tgtgtttacat tgagagtaga tacgattttt gaggcaaadc ttataggttg tagacnaaaa 180
 ggggttaaga caccnagacn gtcanttaag agcccaaaga tagaaatgtg ggaagtttta 240
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cacacactat gccacagtt tnttgtgaat tgancnaaag ggaaacttag gatgtgtgct 180
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 catttcatta aggtggatgt gagatgaaat gtcactgggg taggcatccg aaaaagggaa 180
 gattgccagg cacaactttc tntagacaat gtgtgacacc ttcattacca tcaagaatcg 240
 cgagtctgcc gtgac 255

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 tntgcagact tttgcacatt ttttgagcag aggggtggtaa ggagaactag aaccaacca 180
 tcccagntcc accctattcc cactttcanc ccagaatcc acccatcacc acaagccatc 240
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<210> 8957
 <211> 129

<212> DNA
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 <223> n is a, c, g, or t

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 aatccatttc acaggacaag gaaagacatc atntccntcn tntntgcttc ctcantntcc 180
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<210> 8959
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<210> 8960
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<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 tggagggggg 120

aaaaaagcnt tgtccagaga tcaaccaaga aagtgagtcg gtaatntgta ttcctacatg 180

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<210> 8961

<211> 230

<212> DNA

<213> Mus musculus

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<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
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<210> 8962
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 <223> n is a, c, g, or t

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<210> 8963
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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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<210> 8964
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<223> n is a, c, g, or t

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agaattaatg gacttatatt gtatatggag aggattcagt gctnctgtcc agcatattca      120
ttcttgccta agantccatg acagccatgg gaattgattt cttccaaaga aaaagtgttt      180
ccttgttgta gctttgagaa atcacttggt ccatatcaat tt                          222

<210> 8965
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 agaaganatt tacntgtttt ttatgacgta tgaatacctt tgactttgat ttagaaatcg 180
 agatgcattt ttaaaaatct gtgacctgta tgagaacatt ttatt 225

<210> 8966
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 atgatgcttc ttctgacntc tgtggacacc agatgtanac atggttacat atacatatgt 180
 tcagg 185

<210> 8967
 <211> 67
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<400> 8967
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<210> 8968
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 cacaacacaa catccggcta ttgaaaaaac 150

<210> 8969
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cctcctgcc a tgatggcttn tncagttcc agaagcacag anacctgacc agcaactgaa 120
acctttgaga caaccgggag ccanacaatg gaaagttcgg cttttaantc agacctccaa 180
gtcctgatat ccact 195

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<210> 8970
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tacggagtnt catttgtagc tttgttcctc aagacttgcc atgagattta agtagagcgc 180
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 aatcatt 127

<210> 8973
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 antgatggtn tccatgcccn tcctgacagc tttttcttga ccagagtgcc ctggttttcc 120
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<210> 8974
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 acatggtgtg gtcacaggat ttgctgacac tgaagtgtng tccaggtgtt cttgtaatgg 180
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<210> 8975
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 caaatcagtg ttttctnaga agggcacatg ccctcacct ttgccctaaa attcctgggc 120
 aggcacaggc taccctcact gtacaag 147

<210> 8976
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<212> DNA
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 gcttactttt canacatttt tggcttggtc aagagaca 158

<210> 8977
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<223> n is a, c, g, or t

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<210> 8982
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 <223> n is a, c, g, or t

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<210> 8985
 <211> 95
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 gactcgggtgt atggatctgt ggtcatttcc tctgct 95

<210> 8986
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<400> 8986

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<210> 8987
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<400> 8987
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<210> 8988
 <211> 234
 <212> DNA
 <213> Mus musculus

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 tcagtcaaaa gacacgccag gatggagagc aggagaagag gtcctgcac agaccactcc 180
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ggcctcctta ttaactgctc cccatattgt agacagtaag ctccggcctc gctcccggca 240
gcttggtctt gtctcaatat taggcaactc ccgccattnc cctcggcact gtcctaggtt 300
ggcttatgcc actcaccaca gaaacctacc ctagctccca gggtttactt cagaaatgct 360
cttctgggtat tggagaccgc cctgcatggt gacagtttnt aggctcccca acctctgtat 420
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<210> 8990
<211> 324
<212> DNA
<213> Mus musculus

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tcttttgaaa cccatctcag atgttctacc cacgtttaca cctttgccag tgtcacctga 180
caacagtgca ggtgttgtat tgaaagacct tctaaagcaa taggtagctt tcaaggctga 240
gacttagtag cacttttaaag aaaccatgaa cactgtatgt gtgtgaactt tatcaciaag 300
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<210> 8991
<211> 487
<212> DNA
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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
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<210> 8992
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gggagaggct tgctctctc attttgctca ggagttgctt gggcatcccc atctcctctt      180
cccacgaaga ggacccta attggttttt cccccaagaa gggcatgagg tagtcttcat      240
gtctgtgccc atgaaggatg aaggatnctc cttcccaacc ctttgtcacc atgattttcc      300
agggccagac tctgcaaaaa tgcagagaga gccagattct caccaggga gaggcagatc      360
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<210> 8993
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 tatgtttatg gnnattggag gaggaacagg ctgtcccaca caciaagaca 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 acctagtgc caccctgggt aaaggccaga gtgattcaaa cctgcaactg 480
 gagtacagtg gattgcttcc aacaa 505

<210> 8994
 <211> 331
 <212> DNA
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 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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atgaaataga agcaacctag tcttacatcg tgtcttggtta ccatttaaga ttgacattta    180
atttttcaag tcattgttgg tgcctaataca ctttaagttat taatttattc tgttttcaaa    240
aaattgtaac atatttatct tgtgaagtct ggggggtgggg tgggaaatgt gttcaagtga    300
gtcctgtttc acagtggtaa caaatggtac aggcctggag cttgcaggtc cctttttatt    360
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<210> 8996

<211> 360

<212> DNA

<213> Mus musculus

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cccagggcct gtgtatgcta agcaagtgtc ctaatactga gctatgtcct cagtcaccta    180
cccacttttc ccctttaagt tcttggtgcc gattccagac cagcccttga ctctactact    240
taaactgaca tgatctggct ctaaactctg acctctctta agaatggaga taaggacttg    300
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<211> 215

<212> DNA

<213> Mus musculus

<400> 8997

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ctcactggca gagtttctgc acaccaaaga atthttcctg gaaggaagaa tatgttacct    180
gccaagcctc gaaccactgg gaaaaacgag ccatg                                     215
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<210> 8998
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 8998
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 ccccatcccc cccccacta aaatcatcat tttagggcctg gcgaacctgt ttgttcagtt 120
 ttatcatgtga aaactctttt ttcaagattt cttgtggtat tctgaacctt ggc 173

<210> 8999
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 tctctggatg ggagccggga gtatgtgaat gtgtccccag agcagcagcc agtgaccagg 240
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 gatngagagg aanctccnga ctatgagaat ntncaggagc ttaactgaaa nccnactgca 360
 gctntctntc ctgnaactgg acttgctgnn ggggtgctgct aagaggatcc catttgacnt 420
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 taacaacatg agaagtccac cttgtgttca ctacagacaaa ctttcattgt ttattgtttg 180
 gccaatgaat cttcggaac ttgcacaaac aggaaggaag ttggaaggac aggacangcc 240
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 cagtaaaaca aagtgtctta aaagttttta atagagaaaa atgtgcttta cacagttgcc 180
 tataaaaagt ctatgttatc caagcaattc actctagaag cttcgggtctc gttgtttgat 240
 gcaattttta ctatcatgca aataagcttn aggtaaataa aactaataga tcaccttagn 300
 aaatnatgca attaatgtga aaataattga tgtntncnat gntntcttcc tttgggtttac 360
 aatcaatttt aaagcgacat ctgtataaag tttctgtata aaggtgtatt tcttttttat 420
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 gtgcctgttc tgcctgcttg ttctcaattt atcttcattg ccaactagaa gttctttgtc 180
 acggattagt ataaatgtag gcaaattgatt actgtccttt gtaggtagtg atattctgta 240
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 acctgaattt agaatcacat ggaaacataa ccctggactg actgactacc tttagcacg 480
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 ctgaa 545

<210> 9003
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 <212> DNA
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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 gccacaaca ctgatagcct gctagaataa 360

aaggactgta actcaatcaa agcaagatct ggactagtga gagacagcgc attcaggact	420
ggagaggccc ttgcccttgc tcaagctgcc tgctttgaac tgctgcaagc tctgtgtgtg	480
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<400> 9004


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tctctgttta ttctcttttg ggaaacctta attaagagac gatttctggg acatccaatc    180
tggaagataa aacttggaac cgagagaagt ctgtggtgtg gtttaggaga ctggcccca    240
tacggtggta ttggctctct taacctcaca tgcacgaagg ctttgatgga cgcgtgtgca    300
ctgcttactc cagtntcctg cttgggaaga tgggattctc ttctgctggt ttctntctta    360
catttttttt gttaaaggtn ccctgtgttc acagaaagggt tttggtttga aatgtatttt    420
gtagnccctn caattcataa tgtttggaac tatgtattta tncctagatc aggagagtat    480
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ggttgaagcc ataaagaaaa gactgggttc cctggcagat gagtttaaag aacttgtcta    180
tcctccaggt tataatcccg agggaaaagt tgccaagaga aaacaagatg atgaagggtc    240
tacgagtaaa aagcccaagg tagagttatc agaagaagag ctgaaggccc attttcgtaa    300
gggcacactg ggtaagctca ctgtacctac actgaaggac atatgcaagg ctcatgggct    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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 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 cccccagtg cttctttcct 480
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 gttggacttc aacatagcta gagcctgtgt tctgtgcttc caagggagtt ctgaagaagg 180
 ccacacaaac attgggactt ctttttgaca cnnttacgga gtttttnca angtgtaaan 240
 cnaantanna annngnangg nnnnattnn tnaannntnc atgagtaa at ccagctttta 300
 ttgtnagggtg ggactttatn agatnccnnn nnntgggaga tgtgggggtga aggctatgnc 360
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 gttcctaaat cttcttgagt gcattatgta t 451

<210> 9008

<211> 496
 <212> DNA
 <213> Mus musculus

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 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
 ggtttttgta gggatatttca tcacagcaag aggaaaagtc actgatatca taatagtgat 420
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 gttcttggag tactgt 496

<210> 9009
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 9009
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 agtgccgtct tctaggcatg ccagtgccaa tgaactcact gaagctacag tttcctgtac 180
 aagaccagac ccaccaacgt ctcagcatgt atgaggaagg aactactgcg ctaaaggccc 240
 tcccactcac caaggagcta ttggctattg atgattgctg aggggaaggga gtaatTTTTT 300
 ttctctttct gaagtgtgac ttgagtaa attgccatagt tcagtatata atccccaacc 360
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<210> 9010
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 <212> DNA
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 caaaggaaga ggagactgac gactggctga ggacttccat atacactcaa cgtgcaaacg 180
 attgctgctg gtattctgta caaactaatc aaagactaat acacacatta gctgggttaat 240
 ggtgcataat tccgtcatgt ctgctaggta tgcctttcta gcttagctag tgacatgaat 300
 tcatcaaggt aagatcttct cctaccactg aataccactn tgtagattac natntccctg 360
 attcggatta gttttgtact 380

<210> 9011
 <211> 486
 <212> DNA
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 atctggaata tacttttact agtagtgtca aaataaatat ggtgactgtt ttattcagtg 180
 ttcatatatt atactttaga gtatttttgt acaagatcca gatttatatt gcttgagggtg 240
 tttatgctat cataaagttg taaataattt tctaagactg ttttaatgcn atctacagtt 300
 ttcctaaaat atttttcttg aggccntctt ttaactatca ctaggagttg tctctctcaa 360
 ataaactnaa atcncaatan ccatgtgacc acacgattag tgantcattg ngctgcttcc 420
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 ccaatg 486

<210> 9012
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 gacaggacag gagaaagaga tgctgggact ggtgttgga ctggtggtgt ttttagtaat 180
 taaagactag gcttatctct cagccagata tgcccaacac tccttaatgt acctccagag 240
 ccatcagcat gg 252

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 aacccccctgc aagtgtatta cagaatgtgt gaaaactgca ttgagctaaa cataggcacc 120
 atatccggct ttatcttcgc tgaggtcacg agcatcttct tccttgctct tgggtgtatat 180
 ctcattgcgg gacaggatgg agttcgccag tcaagagctt cagacaagca gactctgttg 240
 caaaatgaac agctgtacca gccctcaag gaccgggaat atgaccagta cagccatntc 300
 caaggaaacc aactgaggaa gaagtgaact cagcaggact cagggtgtcc nnnnnncccc 360
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 agaagccgga tcaaggcatc gtgacgcctc tgcagtatcc agttgaaaag tcctctggca 180
 gggggcccaca 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 ttttgtagt cttggagtcc 180
 aaatggctgc cagagatggc agtcaccaga agcccaccaa gaaggaggaa aatgtccttn 240

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gctacctttt caagcttatg aagatcacca agtgctaata cttctactgt aatgaaactt      420
tggaatTTTT ttgattacat ttttgctcat ttaagntctc tttcaatgat tccatttcaa      480
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<400> 9016

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agagatcttg agaggatgga ggangccatt ctggtttcaa atccctcctt gatcactgct      180
gttctcaccc cccctctcctt ncccccaaaa ccctagttct cttagagtga ggctgggaga      240
gatgcacaga gacctgccgc agtgtgtgca gagcctggga agtggaccat gctgggggtcc      300
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tcgtttgctt gcttcagcac ttctttcccc ttttttctc ttttcttccc agctgnccctn      480
ttctagaaac atcccttccc cacttctctt cattattcac ttcttatttt tncctactcc      540
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<210> 9017

<211> 454

<212> DNA

<213> Mus musculus

<400> 9017

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tgctagactc caaaatcttc aagccccatc gaaaattgtc atcctatggg attgacaagg      180
aaaccactat ccaccttacc ctgaagggtgg tgaagcccag tgatgaagag ctgcccttgt      240
ttctgggtgga gtccaaaaac gaggggcaaa ggcacctcct ccgagttcga agatccagct      300
cagtggccca ggtgaaagag atgatcgaga gtgtgacctc tgtgatccct aagaagcagg      360
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<210> 9018

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<212> DNA

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 tccttccaca agatatgtct gtccaagacc ttctgcagta cctagaactt ctttaacccca 180
 ccgtccaatt ccctgccact ccacaacatt ccgtttctgt ctaagaggat ttccagggtta 240
 ttttctcctc cttatgtttt ttgaactgac tgaaactgga aatgtacaaa ntttttnnnc 300
 nttggnnnnn nnnnnaaaaa nnnnatatnt ntnnnnnaat ntacatggaa gaaaagaaaa 360
 tgtattcttt tatttattct atgtattata tggcattcat ttgaattcga cccatggact 420
 ctatatgctt ctcagttata ttacagga 448

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 tgcagagtca cgggttgagg 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 ccaaattgaca tgttttattg cacctgatgc tcaggagcca 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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 acggggccctg 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 ctgggtgctat ttgctcctna ctggggaggg gagggaggan 480
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 ttgg 544

<210> 9021
 <211> 322
 <212> DNA
 <213> Mus musculus

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 ctgccaacct gcaggacccc aaccagctct acaatgagct caatctaggg cgaagagagg 180
 aatatgacgt cttggagaag aagcgggctc gggatccaga gatgggaggg aaacagcaga 240
 ggaggaggaa cccccaggaa ggcgtataca atgcactgca gaaagacaag atggcagaag 300
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<210> 9022
<211> 479
<212> DNA
<213> Mus musculus

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<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> (251)..(251)
<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> (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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 <223> 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

<220>
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 <222> (418)..(418)
 <223> n is a, c, g, or t

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 ctgactgctg ggagtcatgc ggagcatgat ggcatgcctt actgccacat cccctgctat 120
 ggatacctgt ttggcccaa aggtgtgaac attggcgatg tgggctgcta catctatgac 180
 ccagtggaca taagatccaa atgagccatt cgcaggagtg attaacctna ctcaggcttc 240
 ccacatntc ntccgaggtg cttttggaat ntctggaatt ctctantcct nnggggagga 300
 agaaggtgac acccnggggg cctggnccta ggctctgttg tagatctgag tccagactgt 360
 ntntnccagt tctgtttccc cattccnadc tggatacccc anccaccccc acacactnag 420
 aatggtgggt gcctgggttc ccagttcctc cttccagcac tgcattgagct tcaaagtgt 479

<210> 9023
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 <212> DNA
 <213> Mus musculus

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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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 <223> n is a, c, g, or t

<400> 9023

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gttagtcct ctgcccagcg cccagttgg ctctctgcat cactaacctt tctacctttg      180
gggattcggtt tttttttinn gttttcttgt tcttctgtcc catttttctg gcttggtttt      240
gcacttttct ccccttaaatt ttccttgatt tccttgccaa aaaagaggaa gatgaagagc      300
ccatcgtgga cacttgccct ccccanccc cgantntccc ctncctttcc tcctggatct      360
gatcccatca gaggatttaa taatcacana tacactgnnn aaaaaaannt gcctggacat      420
ttttccnang ccccnnnnga ttttttttc cccctgagga aatttagact tagctaaagg      480
actgtgtgct ncaacccccca ttttcaggcg cacggaaata ttttanccat tcacacatga      540
catcagccca tgcaggatag gtt                                             563

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<210> 9024

<211> 491

<212> DNA

<213> Mus musculus

<400> 9024

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gcttagatgg aaaaaagaga aagagactcg gtgttagata acggactatg cactagtatt      120
ccagactttt ttatttttta tatatatgta ccttttcctt ttgtcaattg aaaaacttat      180
ttgggagaat ttgtcatttg ttgtacattt ttgtttttta ggattttttt ttttgttggt      240
gttgtcgggt tataaaagca ttgcatttct ttttcttttt ttgggagatt tgtgttggtt      300
atgtcatatg ttttgttttg agttcagcct gaatgttcat ccgtttgggc gtttttctga      360
cttgaagaa cattctctgt aggtttctaa gtgtacagag ccggaactgc ctcgtgggtc      420
ctgggcttca gggaagacaa atatggaagt caacagccag tttctgcctt gagagcattt      480
gcaagaatgc t                                                             491

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<210> 9025

<211> 470

<212> DNA

<213> Mus musculus

<400> 9025

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gcttagatgg aaaaaagaga aagagactcg gtgttagata acggactatg cactagtatt      120

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```

ccagactttt ttatttttta tatatatgta ccttttcctt ttgtcaattg aaaaacttat 180
ttggggagaat tttgcatttg ttgtacattt ttgtttttta ggattttttt ttttgttggt 240
gttggtcgggt tataaaagca ttgcacttct ttttcttttt ttggggagatt tgtggttgtt 300
atgtcatatg ttttgttttg agttcagcct gaatgttcat ccgtttgggc gtttttctga 360
cttgaagaa cattctctgt aggtttctaa gtgtacagag ccggaactgc ctcgtggttc 420
ctgggcttca gggaagacaa atatggaagt caacagccag tttctgcctt 470

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<210> 9026
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<212> DNA
<213> Mus musculus

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agcaactgtt cccaacctgt ntaatgcctt gacccttgaa tacagtttct cacactgcag 120
taaccctt 128

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<210> 9027
<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> (184)..(184)

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tgcccaccat ctctgtncct attggggatc cacagtncaa tnggaacccc canctttcta 180
 ctnttgacac ctgnaggaag aaactgaagg acctgncctn ccgagtgact gtnttnacta 240
 aggaaatnca nncaaagccc gatgaggttg gtgttgcnca aagaatggan nctanannaa 300
 aaaggccnnn tnaannnncc cnnnnnnnnn ncnnnnnnnn nngngngngn annnncntna 360
 taacctcgaa ggtgacagcg aaaatcaaag aaacacaaaa tcacacctag cagagaaatc 420
 caagaagggt tcccagaaac accctctaaa gcaactgttc ccaacctgtn taatgccttg 480
 acccttgaat acagtttctc aactgcagt a 511

<210> 9028
 <211> 462
 <212> DNA
 <213> Mus musculus

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 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 gggggcccagg 420
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<210> 9029
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 <212> DNA
 <213> Mus musculus

<400> 9029


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caggaagctg ctgaaggggc tgagtagccc acccactgct gaaatacagg ccctggccaa      180
ggggctgcca ttatcaccca ggaagtcagc gatgtctcaa tacaacctgg ggcctcaatc      240
aatcagagta gcagccgctt tagcacgggc atggcctccc tgggcactgt cacctaagag      300
taacctgggc gaatacatgc ttgcttccag aggtctctga gtccaccaca ggcactagct      360
ggactccttt ct                                                                372

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<210> 9030
<211> 447
<212> DNA
<213> Mus musculus

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<400> 9030
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ccttcataaa atagaaagaa aaaaagattt ggcttatttt tctactgtagc 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 attgttgggt tattgcagat      420
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<210> 9031
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<212> DNA
<213> Mus musculus

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<220>
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<220>
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<223> n is a, c, g, or t

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<400> 9031
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tgaagaccct gaagaacctg ggatgcatta gccaggccca gtgggtttca ttcacaagga      120
gagagggtag cttgaagctt tcttctatgc tactggagac aacttcgggg gctctctccc      180
tatgagagaa cttctcacag ggcataatggt cttttttgga aataatgaga tatatagcca      240
caacacagtc taaagagnca gtaaataagta agaaaactgg ggggtggaggg caggaaaaaac      300
aaaacaaaca atctgggatg agcctaaaca acttttatca tgttcagtca gaatctacca      360
aagttttcaa aactgagcac tccagaagcg cagcagttgg tttttggtta tagtaactgc      420
agtcttgagg aggatgcttg ngcagcagca aagacagccc agccttgcac atgctgatca      480
tcagtgcagc tgggttttgg aggagagatt tcttcagtgt tcccagtttc tgttacttca      540
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<210> 9032
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> 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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 <223> n is a, c, g, or t

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<220>
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 <223> n is a, c, g, or t

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 tacagctgac cacatcacat tacctggagt cttgctccca atccacttct gtgtcaggca 180
 gaagatacca tgtccaaacc tagctgcaag cacaactnn gaaaggnnat ntancctgtt 240
 ccntggtgtg gccctcacag aattaagctg gagaatatgt ttgnatggtg ggaacctanc 300
 ctttnggact tcctnnngnc aagaggcact tncctnncagg ttntcccatn tctnnnccna 360
 gngacatgcc ctttccttct gaggnctcct gctacctccc ctttccatac tctgtantcc 420
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<210> 9033
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 acagccttgg ttgctaggca cagaacacct ggcttgctcc agggggccac ccctaactca 180
 ggaggaggca acatgaccag ctcccatgga accagcnagn gnnntcnnn annnnnnnnn 240

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gnnnnnnnnn nntnnnnnnn tccctgaacc nggggccatc aattcaagag gtggggggnn 300
ngntctatgt agntgtatca tcttaagggg ntccctgccgc ctctgacagc catatctctt 360
gttattgctg gctggacctc cctattggcc taggaggttt tgtttgctgt aggtcagatg 420
ggttggactg atctcttcag ctgcctaccc tacnnnnnnn nnnnctgccc tctgccacac 480
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tcctctccta attggccctc atagctaagc cctttcctac agctttctgt tttttctttt 180
tctttctttt taggttttct ttcttttctt ttttattcct ttttatttaa tctttttttt 240
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tgggatggat tctgtaatca ttggcacagg tcctgcccc tttatagatc ctggcccagc 480
ccctgccaca ggtgcctctc cagatttccc cttagatcct cggatggtca tcaccatctc 540
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gatctacttg gccatcatca gcttctctct gcttagaaga acatctgtct gtggcaatga 180

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gaagaaatcc taaagaaacg agtggtggta nagcaagtca gctggatttc atcctcactg 240
 ccataaaggt gccttaagga ggtccagctg ccttcacttg ttggctttca cttctataaa 300
 gtcctcact catgttgcac aaacattttc tgaacttttg tgtgcaattt ctgcaacttc 360
 tctctaactc acatcacctc attcctgatt ccattccactg cagaagtcct c 411

<210> 9036
 <211> 70
 <212> DNA
 <213> Mus musculus

<400> 9036
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 aatgagaaga 70

<210> 9037
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gagagtgcac agcgagaaga gcggccagca ggaaggaaag ggctggaagg ccatccgtgt    180
agatctggtc atgtgccctt 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
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 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 ttgtttcaat 360
 ggcttccacg antntacttt tcctctctga ggggaggttt agacaccagg atgcnatgta 420
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 atcagatttt ttaaaaaaaaa taaatgatt tatttgtatt ttagaggata caacagatca 180
 gtatttttga ctgtggtgaa ttttaaaaaa aaatttacac aaagaaatat ccagatttc 240
 catgtatctc agtcactaaa catacacaga gagattttta aaaaccagga gaagcattat 300
 ttgaatggt agctaantcc caagtaatac ttaatncaac cctctaggag ctcatgtgtg 360
 gctaataatc ttggaaatat ctttattata ctaaaccatt tcatgaggag aattttgntt 420
 gtcagcttgc ttgnaaagtt attactgtat gaaatagttt tattgaaaaa attatatattt 480
 tattcagtaa ttttaattttg taaatnccaa atggagaaat gtnttcgctg ctatggtttt 540
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 <223> n is a, c, g, or t

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 ttctggaccc acgagggata tatctgtgta atgggacaga gcagctggca aagggtggtgt 240
 cttctgtgca agtccattac cgaatgtgcc agaactgtgt ggagctagac tcgggcacca 300
 tggctggtgt catcttcatt gacctcatcg caactctgct cctggccttg ggcngtctac 360
 tgctttgcag gacatgagac cggaaggcct tctggggctg ctngaggttc aagcantgct 420

gaagaatgag cagctgtatc agcctnttcg agatcgtgaa gatacccagt acanccntct	480
tggaggggaac tggccccgga acaagaaatn ttaagatgga ggtttctcaa agtgccatag	540
ca	542

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 <212> DNA
 <213> Mus musculus

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ccccctcttc taaaacacga gcttgcctgc tcnaaaggc ctctgcctgt agtgaggggtg	180
gcagaagaag acaaggagcc agaactctga ctccaggatc taagtccgtg caggaagggg	240
atcctagaac catccggttg gaccagctt accaagggag agcctttatt cttctttccc	300
ttgcccctct gtgccagccc ctcttgctgt ccctgatccc ccagacagcg agagtcttgc	360
aacctgcctc ttccaagacc tcctaattctc aggggcaggc ggtggagtga gatccggcgt	420
gcacactttt tggaagatag ctttcccaag gatcctctcc cccactggca gctctgcctg	480
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<210> 9042
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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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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 gagcaciaag agaaagggaa 300

ccaagactgt ggcaccgaga gctccaactc cgctgaccct gacaaagctc caggaggcaa 360

ggctgggaga acagagacgg ctgggggtggg gcacagacac tcggggcctc acctgggctt 420

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<210> 9043

<211> 385

<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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cggtctgttg cccattcatg tcctcttgat gtatatgctg cttgccagag gttagctttc 180
 tgcatacttc agcccataat aatgaaatca gcagtactca catattttgg gcatagaatg 240
 caccataaaa atgtgacaat gggcagcagg tgtgagcatg catccgggtca cccctccctg 300
 ccctccctaa cgcaccgacg tttgaaagtt cgtgtcantc ttaagtcctg aatggttctt 360
 aaccacctga ctttcttact gtgaa 385

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 <211> 450
 <212> DNA
 <213> Mus musculus

<400> 9044
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 aaaacgaagg ctactatttc tgctcagtca tcagcaactc ggtgatgtac ttcagttctg 180
 tcgtgccagt ccttcagaaa gtgaactcta ctactaccaa gccagtgtg cgaactccct 240
 cacctgtgca ccctaccggg acatctcagc cccagagacc agaagattgt cggccccgtg 300
 gctcagttaa ggggaccgga ttggacttcg cctgtgatat ttacatctgg gcacccttgg 360
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 gccgaaagcg tgtttgcaaa tgtcccaggc 450

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 <213> Mus musculus

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 gaaacagcag gatctgtaga cccggagaga acccaagcta gaggaaccct cactgactgg 240
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 <212> DNA
 <213> Mus musculus

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 aaggccatgt tctccctggg cagggtgctct agggttggag gagaaagcag gctgactggt 240
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 cttttttttt aaagatttat ttactttatg tgtatgaatg ttttgcattg aatgtctgta 360
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<210> 9047
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 <212> DNA
 <213> Mus musculus

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 ggccagtacc agccccagcc ttgataggcc tttcgggtccc aagatcctcc caaccactgt 180
 gccctggcta gggnnccagat ggaattcctg tgccatatct gtgtggcctg tgcacacatg 240
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 tacacacatc tgtagtattg tgggtttctac acatgtgtct tatacctgtg gagcacgtga 360
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aatatgggca gtgaccctaa agacctggaa gagaagggtca ctcgaatgga ggggtcagtg 180

gacctcctgc aaacgcgatt tgccngtatc ttggctgaat atgagtcgat gcagcagaaa 240

ctcaagcaaa gattaaccaa ggtcgagaaa tttctgaaac cgcttattga aacagaatgt 300

tcagctctgg aggaacccgg aggggaaagt gagctcacgg agtctctaca ggactgaaaa 360

gctggtcaac agccaaaccc atgcacggtg tgtgatcctt ttgagtgttt gaccagagac 420

agctgagaat tgggagaaa 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
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 <212> DNA
 <213> Mus musculus

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 ggctcaaaga agggaagcaa cacacaagga aggttcctag ccacagggga acagtaacaa 180
 ggggcctctt tccatcaaga gtactttcca catctcccag cttttgtgcc aggcactcca 240
 ggaacggtaa gatgtcttac cttcatgaag accatgcttt taagagtgc aataacttgt 300
 gtacaaactg acacagaana taggatggnc cattaccncc aacgacaagg gancaagagn 360
 aaaggganca antcctncct tnttcagga actcggttca tccctntcag gtggcaggaa 420
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tctatTTTTg tgccagcagc c 141

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gcctgaggggt ctctgctacc ttctggcaca atcctcgcaa ccacttccgc tgccaagtgc 120

agttccatgg gctttcagag gaggacaagt ggccagaggg ctcacccaaa cctgtcacac 180

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ctctgtaacc gctgctgtcc cctcactgtg cctcctctgt gtagctncct ccaaattcct      180
gtgancgtgt ctctctgggc cagcatttga tgcagagatg gtacaggacc atctggtttt      240
acatgggtgn cgcttagctg ttccgttgtg atctttaatt taaccttagc tctgacgtga      300
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 anttccatgg gctttcagag gaggacaagt ggccagaggg ctcacccaaa cctgtcacac 180
 agaacatcag tgcagagncc tgggnccgag cagactgtgg aatcacnttn ancatccnat 240
 catcagggggg ttctntctgc aacnttctn ntatgagatc cnnactgngg gaagnccacc 300
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 gtcaaagaat ttaactccac ttgtgagatt ttctttacga atttgttaca gtgctgttga 180
 ggggatttca agcctttcgt cctctaataca ggcccggagt aggttctgct gtcaagacct 240
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ctttctactt ctgtcctgaa gacacagggg ggacaaacaa cacctaccgc cccccacccc      180
catcttttct gtcctctcaa acacctggag gaagaaactg aaggacctgg cttcccnagt      240
gactntcttc acnaaggaaa tccanccana ncccgatgan ntnggtnttg cacaagaagt      300
ngancctaga aaaaaaagnc cttcttaant ntccccaatg ntnanntnct ggcacgggag      360
gggaaggacc ctcataacct cgaagggtgac ancgaaaatc aaagaaacac aaaatcacac      420
ctagcagaga aatccaagaa gggttcccgag aaacacctn taaagcaact gttcccaacc      480
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gaactgtagt ggatagctat agaggataag ctgtgataac tcaaaagccc aagggatggt      180
ttagtagctc tatcgtttgt ctgaacaatg ggcctttgta tattctctca agccacacta      240
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ctaggaagtg gggaccactt cattatccag gaggaataa tcttaagaga gagaaccggt      180
atcttttttag ctaaactatg aaagctgtac tcaactcatc cctagccaga gccccctcct      240
gcctctcctg aggcgagcat ggcccagctc cccccactt tgtatttact ccaatagtca      300
cacaggagag ttttcctagc agcactatgg tgtgaacaat tttagcactt tctgtttctc      360
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393

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aaccgtccag ctgacaaaac tacatgccag ggggtggaaat ggctcaccaa gggctccaga 180

gggggcttgg cagtgaggag cacgaagtgt tcctccagag gaccagagtt tgattcccag 240

cactgtcaaa tggatcgaac ccagctgtaa ctctactttc agaggggtctg acacctttga 300

cctcctctgg catctacnaa cacaggacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac 360

acacacacac gattnaaaat aataattttt ttttaaaaaa tggaatganc caccggcagg 420

tnccctggta ccagaaggac tgactncnt gagagacacn atctacagac acacagactt 480

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acacctacnt ggcagctcna anctntcttc aactccagtt ccagnggatc tgatagtctc 240
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ccatctatgt gtatcagcct ttttttttct tgatttaact taaaagtagg ggattgtgca 240
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 aggtttgtgc tggntctctg gtgctcttca ctgttncctg tcactttttt tctctttttg 180
 taataccgat aacatcaatg taacacttga gatctttctg aactcctggt gtaatggcta 240
 aaatcacata aacctttg 258

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 taaagttggt tgaatgtttg catttcatgc aaaaagtctt ggcttcagtt ttcagcatta 180
 tataaactgt tcatagtggc acattcccat aattcctgca cttgggaagt tgtggcagaa 240
 agatcagaag tttgagggtca tcctcaattg tatagcaagt ttcagtttta gcccaggctg 300
 agctatctaa aaccctttct caaacaagca aaaaacacta cctcttttct cataactaac 360
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agaaactctt tttgagccaa acttaaccct gagccttgaa aaacaagttt tnttgtttgt 180

ttgttttaac tttttttttt tcattctcgc tgtagatagc ctgaatccaa agaaaaccaa 240

aaggggntta tccaagtnat tccacacaaa aacaaaacaa aaaacccttn anntgttcct 300

actttagtca ctcatctctc aatccaaaga tcatgtttcn aacgtagtgt tnaanntctt 360

gagaaantcn gnccaagtgt ggtagtgtgc acctataacc ccagcacttg cgagatagag 420

gcagggggac ctctgtgaat tccaagacaa ccagggctgt atagaagacc ttttctca 478

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<211> 485

<212> DNA

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 tctaaatgcc gatttgagtt cgcgacacaa tgtactgcgt tttcattctt gtatttgact 180
 atttaatcct ttctacttgt cgctaaatat aattgTTTca gtcctatggc atgggtgatag 240
 catatgtgtt caggTTTata gctgttgtgt ttaaagattg anaaaangtg gaaaacatct 300
 ttgtacattt aagtctgtat tataataagc naaaaagatt gtgtgtatgt atgtTTTaata 360
 taacatgaca ggcacgagga cncctncctt ttaagaggca gttccgTTaa gggTTTTtgt 420
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 tgcaa 485

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 <211> 355
 <212> DNA
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 attttcagca agagcaacta aaatgtgtat ggcctgtgct atatagccat ggaggagatg 180
 ggactgtgct aaagccagcc agaaatgtgg atggcagtgt gggaaccag cagctccata 240

gccatcaaaa aacggtcata gaaagaagtc tctcaagggc ctattcttgg attcagtgtt 300
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 <223> n is a, c, g, or t

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 attaacccaa gttaagcaca gtagtgtggg ttctctcagg acttgtgaat gagtttatgc 180
 tctctacaaa gacaggtgaa gcttaaactc ctcttgcaat gctatgttta tgcaaataac 240
 aagattgttt ctgtaccagg gacttnacac nttctattcn tactattttc cctgtctaca 300

atgtttatt 308

<210> 9072
<211> 44
<212> DNA
<213> Mus musculus

<400> 9072
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<210> 9073
<211> 266
<212> DNA
<213> Mus musculus

<400> 9073
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aagtatacta tgcagagaga atattctaag gcaactttga attcttgata aaccaggatg 120
cagccatggg 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

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caaaaaaaaaag aatatgaatt ctatgcaaca gtaggacaga tggcccaaga atgtgaacca 120
tggctgcatc ctggtttatc aagaattcaa agttgcctta gaatattctc tctgcatagt 180
atacttatga tccacttgct gccagcatcc tctgagggtca aagaatccca gattttccca 240
agccca 246

<210> 9075
<211> 291
<212> DNA
<213> Mus musculus

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ggccctcccc gtccgagggtt tgattccgtg attttggtgc tttctgtgtc tgccctgcat 120
agccaaggca cattgatctc tgcggtttgc ttttgtactg gcaaggcgga atatttttat 180

taccttttct attacgtatc gtatgagctt ttgttgtttg cctagagggt ttgtctctta 240
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<210> 9076
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 <212> DNA
 <213> Mus musculus

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 cccnccttc cttcagtgat gagcagtgat acanaagtgat aagccaaaca aaccctttcc 180
 tcccagctcg ttcttnagtc acgntgtttc gttgcagcaa tagaaaccct gagtaagtg 240
 ccaccccgcc cccagtttn naccatcttg ntctgactcc cttnatatga ncctatnccc 300
 cttcnttcna ganagcttca cttctcantt tgatggtttc aggtntncgn tagaggaaga 360
 aatgaatgac agttccgaga ctttctatag aaagntntgg nccaaggaag ggagacttgt 420
 agtggatatca tttagagtntg aggccaggaa acaacttant nttctgcatn tccgaaatta 480
 cataggttac agagcttcat tgtatccctt tatgtgacta taacttatga tgctgta 537

<210> 9077
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 <212> DNA
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attatgaaca tgacaaactt gtaaaagtct tcaagtctta gaagcaagta tttttgctga      120

gagaaactct gaaaatatga caatgaagaa aattacttat tctcaaatat ttcatgatgg      180

agacaaagtg agaaagccag aagatgtggt attgtgtaac agtgctttga aacccaaaata      240

attcaatgga aaaggaaagt gattattgca gctaataatac ctctcaaaaa taatactgaa      300

actaatagca ttctgtatgt ttaactcaaa tgaagaaact cagacaaatt atacttctta      360

aaagaggata gataggacca actgagccac cnacataata tgggtctttat cctgtttgata      420

tacctacaga tatgcagttt tctccagtg tctagtattc atgatctgta tcatattctg      480

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ttgctcatat tcctgtat                                     558

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 ttatcttttc ttttcttttc ttttttaatt aggtactttg ttcattcaca tctccagtgc 120
 tatcccaaaa gtcccccaca ccctccccct cagggttact ttctgagctc tgtgttcctt 180
 gttaaacaaa tatatgcttc aatttcattc agagatagct gtttaaccgt atttcacgtg 240
 gtatgtggtg gaggtcaggg aggtctcttt ccaccatgtg ggccctgggg caggcttgat 300
 gctggttacc ttaccttnt cantnatcnt gctnnangtg ncttttaagg ctnattttna 360
 cagatnctga taatttgatt ntctgagttg tcatnaacca gacataaata agtagccaat 420
 tcattttctg tatatgactt ntctagattt atattgttga gttgtttgaa tatgcttaaa 480

ccctaataatc actgtcaata tatccatcag tagaaaacca agttntccct ttcatttttt 540
 atatttttgct gatatgacag gcttgt 566

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 taccttaaaa aaaggatggc tcataattaa agcagcagta ggaaaggatg tttgatgttt 180
 gctgaaactt agcgtataga gtgggagtaa gtccaacat gaaagggact taccgttagg 240
 catatgtgat gtggaaaatc acagagtcgt acactcagat ctattcagtt gtgtaatcac 300
 cgtctgtctg aattcacttg ctttttttgg aggcgggggtg 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 cacttttaggc agtttgccaa 120
 aattgagatg agagagaacc caacatggtg ttacacaagt gtaatcccag tgtggctgac 180
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 gagggaa 247

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 ttgatactct cacgggacaa taaggatcaa gtggtcaagg tacttcgtga aggccagcag 240
 ctgtgccagg atggtcatgc agttgtggtc aacatcctga ttgggaggac agnannnncc 300
 nangannggc tccatnttct gtataggagc tatccagggt nagtgtgctt ncctctttgg 360
 accaggactt nntctacctg gagttttcat ccttnccctn tcctgagctt ntntcataa 420
 ggtctaacc tctaagtggg gaatgtgggg gtggggaacc aaagctcaaa gaggcacctt 480
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<210> 9082
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 gatgacctta cagacagcag aaaggacagg aaagatagtg ggagacagta gttttcctca 180
 caaattctta cattccagcc aagacaaagg atgtgtgaag tctgagttgg tactgttcct 240
 gcagaatggg aggagcaggt gggatctcct gatacaatct ggaacaaagt ttggcctgtc 300
 acatgagggt ttgtttacca ggctntcttg aaatntcttg gcagatgggt nntctnccaa 360
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<210> 9083
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 <212> DNA
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 gttgggaatt ctagggagtt aagccccagc ttctgtntcc cnnnnnctgg tctcactttt 180
 cacactgact ggggctcccn gtcaccctcc tcttanttgg gcgggaggng gaatcacctt 240
 acttccagag aagtgtccgg tccggtacag cttccggtac agcttcaact aggttnaact 300
 gtgcagctga actcttaatn tctcacaagg ncctgctttc aggtctggct agngagtntt 360

catggctgag gtttttttaa gcgggtctgn ctcagaacta aactaaccag tattgtattg 420
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<210> 9084
 <211> 407
 <212> DNA
 <213> Mus musculus

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 agcaacctgt aaagtcggag ttttagtaaa tttttttctg ccttgggtgt tgaattttta 180
 ttttgaaaac aaaatgtata gaaacttgta tttgggggttt aaaggggggat tgctgcaatg 240
 tgtagaaaaa gtatgtagag aaagtgccta atattgttac tgctttgcag aagaagaaaa 300
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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 ganccctna gatgtacact ctctccttgt      360
ggtttgaaca gatgatttnc accaatcagt ttaaagggtca atatttcttt actcatttac      420
ccaatcatgt aacaccaagg cttgaaagct cctgcttgca attttttnc tatataaatc      480
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cgattattac cagggcctat gggattgcc a tggtgaccag ccggatgaac tgtccttcca 120

acggggtgac ctcatccgca ttctgagcaa ggagtacaac atgtacggct ggtgggtagg 180

agagctgaac agcgtcattg gaattgttcc aaaggactat ctcaccaccg cctttgaaat 240

ggaaggaata tgaagcccag ggaacatatt ctgagaccat cagaaactcc cntcccctac 300

tntggccatg gatccttctc ttccctgaat ggagccaaga ntntgctgct tcctgtgact 360

ttaagccact gataagatga gtaggaagaa gacagttcat cagacctgtt tctcaagcan 420

ccagcttcta gcttccctncc ctctctgtnt ccccatatcc ataanccttt cctacaancc 480

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 gtattattta agggcagagg ttaatagcaa agtactggaa gtgttatgtt agtcatgggc 180
 aattaataaa aataaggatc tgtctgggaa gtgccgaaga cacagaagtg acaatatagn 240
 caaaatgttt gttgaatgan tcnngnttct ctttctgaaa tatttgtaa acccncacga 300
 gtntgatnat ttaggaatta gcnntcatta ttanccnttt tnaaagaact aatgattttc 360
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 atgctgtcct gtttgcacta cagctttcnc cgcggtggct ttccnanatn tnagntacan 180
 agcttaaatt tgaaganatc accagtnnnn tcaacnagag aaagtacccn angangnnac 240
 aacaatatga aataaccagt accccccaga actgtntctn nanttgcata tntancagag 300
 gatgncctan ttnnctatca atgagaggag agncccttgn tcctncgaag atcatatncc 360
 ccagtacagg ggaatgccag gnccaagaag cattagtgga tgggttg 407

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aaaatagttt cttcattttt ttgcttttct tttttttaac aactaattgt acaggctatc      180
atctacattt ttactctcta cctacttatg tcttttaaatt tnnagtntct tttgatacac      240
atantatatg ctttnatatt tttcttccat catnttaagt gtgnntnnat cattntnntg      300
cttttagtna atatcannac tgatantana gaatttagtg ctattgtttt nccactngtt      360
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<210> 9091
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ctacagtttg gatgaggatg ctgttttttg atgggcacta ctacccatgg gtagttaagc      120

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ttgagaataa atcacacaag aggtaagacc ttgagtactg gaaagggtttt gttttgaggg 180
aatgtgctat tttggcatct gaggtcaagg agaataatth atgngtgga tttgatgttg 240
gcttcgtgtg tctgaactcc atgttggtgcg aattgaggtg agcccacaat agatngacgg 300
cnnnttnnat cggagacttg ttatggatga gtgaaanccc tncctttcat tatgcagcaa 360
cttggcaggg tccaggcaga gta 383

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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 tatactttca ctgtcctggt ctcaacaaca atgccaaacta catttacact 300
ctttatgctc ttgcttattt actgtcgccc ctaaaagtag tcatttacca ctcagaaagt 360
cgccctggcc ctgaaacaat aaagacaacg agaactgaac gcacaggacc tggaggtcag 420
caaaaccacg gcatcccgct taaaatcgaa caggcctcat tttctgcgtt tagaa 475

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 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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<213> Mus musculus

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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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tataatttgg aaaaatattg ttacttttct agttgctata ataagatacc atgaccaaga    180
aaacttatta agaaagttta ttggagctc acagtttcag agggtttagag tccannacca    240
tcatngcagg gagcatggca gnaggcaggc aggcagacag gcagcaggca ggcagcaggc    300
aggcatggct ttggagtagt agctatctgg gaatggtttt ggaaaactca gtnccnccc    360
gcagtgcac cttctccagc aaggccacag cttctaattc ttccaaacag ttccaccaat    420
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<223> n is a, c, g, or t

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ataccactg ggtagacagc tgtggcctgt agtggcggga aagaagagac taacaatgtt    180

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ctctcagggt tctcctggca agatggcttc tcttttcagc cccagccta cagataaatc   240
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tgggtgaactg gagaagttag ctgcgggggtc gctcatctca cgctgatggg cactgtaggg   360
caaaggaatc tcacccgttc tctcttcccn gaggagctgg taagagttct gtccaaggtn   420
ccccacnctg cttccgtttc tgtgttttnt cttttccttc ctccaattaa gttgggacat   480
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agtagaaaaa agttcatctt agaaactatt gaacgtatgt gagtaacttg tttttgaagc 120

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tgttggtatg tgcagacatg tgggctgtat tctgttatca agactatggt ctttgagtcc 180
taacccaaaac acaccgaaga atgatgaaac aagccataac aggtttcatt ttgaaagagt 240
ctgtgaaatg caagcataca tgtgcatcca accatatatg tgctattgaa agaaagatga 300
agtcagcaat tncctctga ttnacnaagn atgtctgaga atccnaacag gtcacgagtt 360
aatgtatatc taggntcccc tnnagaggct ttcannccaa tttnttinctn gtinctgggag 420
atgtntntat nttgaggagt ggataagagt gtgtgtgata tcatgtatga ggtncatgta 480
tgtgcacaca gacacgagaa tgcattcaga gagagtatga acacntccac cagaccagga 540
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gcacacacaa acacactaat atttaggcct atttaatgtt tagtgcaact tctctgcttt 120

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aactctatag gtgctgacgg gttggctaag atggcaaggt ttacaagtcc agggtcattct 180
atgagtctgt gcatcccaga agccctgcc a tgcagagcat tgtttagcct cgtctttctg 240
gaactaaggc ctggtctgat gtctgcagct ccctggtagc gtgganctgt ntctgctctg 300
atagcntggg tagcatgcnt tctcacttac actgcatgga cctnataaat gaaactgacc 360
ctcacctngg ttanctttcc ttctttttct ccccntctta cagaagtaag gatncacttt 420
nagttgggct gtntcttatg tttaaccttt ncaggncnnt cncctttctc ttacagncct 480
ttgttcccct tcagagagga aat 503

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cgacagagtc gtaactggca aaccaggtc ctggaagagg aagcagcagc agctcttcag 180
gatgcactgg atcccagagc ttctagcctg gatgatgttt tccaggaagg gaatccaatc 240
a 241

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 gtatgtacac atactatata atgcaatcaa tgtgtttttt tagtatagtt gtttttaaat 180
 tgacttttgg cttcttcctt ctctcatcat ataatgaaga gtaaaatacc aaccacccat 240
 tccanattna gntacngatn ccangtctnc atnactgata ctcagggtcct aaggacttag 300
 aaactcttta gtcatacaac agcttttctt gagatatatt ntctcatacn aacatcacaa 360
 gagaacatat atttgggaaa aaactttcag aaaggattga agcattactt tttttttttg 420
 tttgtttttt gtttttttgt tttttcgaga cagggtttct ctgtatancc ccagctgtcc 480

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537

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60

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aatttcaagc attaaaatga ggttgaatca ttttctagct gagaagaatt tgtcccaggt    180
tgtggcttttc ctttgcttaa gtgttctgtg atgtttgctc atggcagtac agtaccagat    240
actgcttttg gcagatgtct ccacagacat tatttggact agttatttgg gtcttnntcc    300
ttgcaactaa actcttnacc ttgcaactn aaccagaaaa cactaataat aataatattc    360
ataataataa tnatattcat atctctaagg aagtctgatt ggtatatctt ggtgaaagnc    420
tggaagggc tntcggaatt cataagagtt agaatccttc cagcttccca agantcctnc    480
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tcttcagatg caccagaaga gggcctcagc tctcattaca gatggttgtg agccaccatg      180
tggttgttga gatttgaact catgacctct ggaagagcag tcagtactct taactgctga      240
gccatctctc cagccccttc atatctttga aacaaataaa taaanntncn ntnnncnnnn      300
tttcanttac ccacattnaa cttntttttg naaatatgaa atgnaaaatt tcagnatcaa      360
actattgntc agtttnagat ttcanaacat tctgagtcac ntgatgaacc atctagaatg      420
tgagtcactc ctttgtataa tgcatttggt tacactgtac atttcntccc cattagtcac      480
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 acttaaacad ttatctatct gtaacaatag gagcataaaa ngacagggac atttntttga 180
 tataatgtgt tcgcttttaa aaaaataaaa tatgcaagac actgtgcaag gtttataaccg 240
 agatttntgc ataatgaagg tctggaatta atttinaagta taaaatttta aacatttgna 300
 gatntctcat tngacgtgga agtcccactt ctaggaatgt natatagaaa ttaaataatat 360
 gttnatatat tgcagatntc aatgaggtgg gaaaagtagn tgatgntcaa ttggatcatg 420
 ggacatccat cttagtttgc atcaaaagaa cttggagatc tgtgtntctn tctgacntct 480
 ntcntcttg gcttncagta tgtccatgga gtgtttttta gactaaaaag atgtaataaa 540
 caacagcaca tataatgatc ctttttctat 570

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<210> 9107
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 ggtccttcca atttaaacac tctcaaaagg ctgtgtaatt gctttctgat aggagaggac 180
 tctggcggtg gaaagactat tgttaccaca gatcatttgt ctcttaagat gtagcctctg 240
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 tcagagcgga cagaagatcg ttttcggccc tacactcca agccaggag agaggctggg 360
 gaatggtagg agcagatttg tgtaaagggg gctggcactg tgtagataga ggttcagcct 420
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 attttaaattg tctatttggg ttcttaaaac ccacaagtgt ggttttcttg ttgtttaaga 240
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 tttntgctna actcaataag gaaaatgaat tacatctgac agtgacttaa aatgnccaag 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

<400> 9110

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aacaaaaccg tctctttcct ttcttttttt tatatagcag ctgcataatc tatacacact 120

actctttttt tttctctcca ttggtttagca gcctcatttg gagntnagtc cntngnngnn 180

nnntntaaag anccttttna tcttttnatga atggaaaatg gctcattatg tggattaaat 240

gtttcctnta tacatnnagt gtgcttctgt ttngttttta caancaacaa gaatgaatna 300

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<210> 9111

<211> 450

<212> DNA

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<223> n is a, c, g, or t

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<222> (303)..(303)

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<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 cgggtganata cactcaggac cataaacaaa tgaaaggtag accgtgtctn 300

atnttagata caccggcttt gagacatntt aaagaagcac aaaatnatgt ttcnttggtta 360

ggatgcancg gatcactgtc tccatgacta aaacntacta aggaacggca agacctgtat 420

ttggatggca ttcactcact acttatctga 450

<210> 9112

<211> 420

<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> 9112

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gtgtcatatc ggcggtggtc ccattgttca aagagacatt gcccaaagag acctggtcca    120
tcccttagct cctttaagtg ggtgctgtga ttcccatctg aatatcaggc tgtggaatat    180
ttggtgacag taaaaagttt ctgaaagcac cgactcagga tcaaattgtgt aataaactcg    240
aggcctttct ggctgagctt ccgtgagctg ctcagggtccc ccgtcactgt agactcggtt    300
tgaacacaag cntgcgtcac gctgcgagac accaaggaca nctgccagan tcccctccac    360
ttggattgga naccgaaatg ttggcaagcg cagtgttttt actggacgtg caaagctctc    420

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<210> 9113
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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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ttaagagcac tggccattct tcctgaggac ctgggttcag ttcccagcac ccacttagtg    180
gctcacaacc atctgtaact ccagtccta gggagccaac aactcttnt ggcctctggg    240
tagaccaggc acataacttg tacacagata tacaatcaga gaagacatcc atacacataa    300
aataatttta aataaataaa tagaccttaa aagtntttgt ttgtttgttt tctaaaaatc    360
agctatggga ttagagagat ggctcagtg ttaagagcac tggctgctct tgcagaggac    420
gtaggttcag ttccaacac ttacctgaca ncccacagct acctgtaact ctagtccag    480

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gggnnntgat gccctcttct ggtctccaca gaccccgatc acttaaagt tataatctgca 540

tg 542

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 <223> 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

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 <223> 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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atgtatatga tatacagata gaaggaagga aggaaggaag acagacagtc agtngggngg    120
gcaggcaggc agacaggcag acaggtaaaa cactcataca cataaaatat aataagggtt     180
aagaaaaaga aactggttcc taactgcagc tatgattccc atttttaaca atgacatcct     240
gtgcctacgg tntgacagat ctcanacgc ttacttcagt gtgcaccgtt ttcagcccgg     300
gntntaaggc gccgagaaaa gcatggaaca gacacaatnt gtacttntga aagagacatc     360
cntcaattaa gctgagttga attgcttgta ggacctttgg aaataaggat gataccccag    420
ttgtgaagag ca                                                           432

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<210> 9115
<211> 194
<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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nctgttgcaa ctagaattcc cttgaaagac cacccgattc cntctccttt gtattaaagn 120

cntgataanc cgggnccacc ttcagaacgt ggatcagtga tgtgncctca ccacagcggg 180

gatgtatctg caaa 194

<210> 9116

<211> 104

<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

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nttaagtgtg aggcttcaga actgtgacct gatacattca caaa 104

<210> 9117

<211> 77

<212> DNA

<213> Mus musculus

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<222> (39)..(39)

<223> n is a, c, g, or t

<400> 9117

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ttgctggcat tttagt

77

<210> 9118
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 <222> (259)..(259)
 <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 tccagctaata gtggcacaga 180
 agctgatgta tcctgtaaat cttgaatgta gcgctagatt gataacaggc gattagacag 240
 ttnaaccacn aacagcttnt tcattttttca caaatgaaaa ccacatgtgg tggaactaaa 300
 atttcaaccc cttttttttg taagggttgg ggtatgtgta tgtgtggaag atgtccttaa 360
 ataacaataa aatganncaa tccaaagaag ttaagtgttt agaaaaatgg agacattncc 420
 tagtttccct ccagatttat caaacctca tcatattccc tttta 465

<210> 9119
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 <222> (117)..(117)
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<220>
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 <223> n is a, c, g, or t

<400> 9119
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 agatgttggg gaagtgaaac tccagtgttt ctctgccctt atttctgctg gggtganaag 120
 atttctgctt tgacaacagt ctgttctcaa ctgggtcaatc tgtcgggtttt gttgttgctt 180
 ttagtatcta aacaactttt ccaaacttaa gtttataagt tttcacattt gggtcgcaaa 240
 atacagaatt tctcataaaa cagctcactt tgtgtctgtg tgtacatgta tgtgtgtgtg 300
 cacaccgcgc acacatgggtg tatgcatatg tgtgtgtgtg ngtgtgtgtg tgtgtatgtg 360
 tgtgtgaaag ccagtgggtg atgtcagatg tcttctttga caactttcta tcttactttt 420
 tgactcagga ttctcactga atgtggagct catcaatttg actagagtgg ctggccagca 480
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<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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 <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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 gttaaataaa gaaataaaat cctccccaga gtcaagagac ttcataagga atcctaggtt 120
 taaaatgtgt ttcagagtca tatatgctca acatatggag agagaagaag ccttaagaat 180
 aaaaggagaa tttaaatacc caagcataaa acaaatggtc tacacttaaa ttagacagca 240
 agccacagca aaggcttgtg agctgtcctt ctnttcccct ccnnaaagga acccaccttc 300
 cnacagcacg gggtcacagg tgctttaaga cctggaactt tctccctcta atactcttnt 360
 caagtgtcct tacagggaaa gtgacaacca ggctgtcact cccacttnc ccacatgggg 420
 gncccagggtg tagattctag ctctttcttc tgctgggttt tgttgagggtt attgtcacag 480
 tggaacacgg gttaccagaa cttctat 507

<210> 9121
 <211> 487
 <212> DNA
 <213> Mus musculus

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 <222> (251)..(251)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (342)..(342)
 <223> n is a, c, g, or t

<400> 9121
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 tatttcattg agaaatattg ggtaaaatag atttccaaaa caaacgttat gacttatatt 120

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ctcccagggg gagcagactg catttctcac aagctgaagc tgcagatctc ttccaaagaa 180
aaatgatggg ggttgacgct acaaactctgg gtacatcttt gggatgaagat ttaaggtaga 240
gagaccagaa ngctctgactg atgaggggaca ggtgtataac aaaaactcta aagtctacag 300
gccatgtttt actctaagga acattttaac atctaaattt tnaattagaa agctagtctc 360
tttgctaaat tacatgggtca tccactttta ggaaataatg ttgaatttaa taattatgaa 420
atgtttttaga ggaaaatcaa gttgttttta tgtattcctt cagactgcgt tcattctaat 480
atgccat 487

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<210> 9122
<211> 162
<212> DNA
<213> Mus musculus

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<400> 9122
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actgccagag cgctgtggct tgaacattgt taatagcttc cttgagatgg tcagtttagc 120
tttgtaacca acatctgaaa atccacctta actgcctcta tt 162

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<210> 9123
<211> 64
<212> DNA
<213> Mus musculus

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<400> 9123
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ttca 64

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<210> 9124
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<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (85)..(89)
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 <222> (123)..(126)
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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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 gagatgtgac tctnnnnnta nngtnnnnna nannnnnnnn nnnnnnnnnn nnnnanncn 120
 ntnnntnnn agcactctgg aagcagaggt gggcagatct ccaagaattt gggacaagcc 180
 tggctctacct gacaagttcc aggccagcca gggcgacaca gagaatctca gtaactgaaa 240
 aactggagc agagacaggc ctctccttcc acctgctctg ccggcagggg ggggtgtgaac 300
 aggaagacct cagtcccagc gcacctcccg tggatagggt tagggatatt tatgggataa 360
 agatgcagat ggtcgagggt gtggggaaat gattggaggg actcagtggg ctgctntgcg 420
 acgcttcagc tgcagtggca atggttaact cttgaggcac tcatccgatg gggacgatga 480
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<210> 9125
 <211> 505
 <212> DNA
 <213> Mus musculus

<220>
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 <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 ttttaattata tgtacatata 300
 cattatacta taaatttcat aaatatTTTA ctgtattgtg gatgaatagg catgtgggtg 360
 ctattgaaca tggaatccag aggcctttga tgcatttatg accagatttc atgaagttga 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

<220>
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 <223> n is a, c, g, or t

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 tcttacaaatt agattctatc catactctct caggaagtga gaaccaggaa ttaggtcctt 180
 tcagactatg gaggtcggga ttcctattgt ttagttctaa atagacacct atacatagac 240
 ttatacatat actcacaggt aggcataatgg attagcttg tagtagtcat gtgctttgtc 300
 tctgagggtc cttttactct ncntatgtct agnanagggt catagtaatt tcctntgaat 360
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<210> 9127
 <211> 351
 <212> DNA
 <213> Mus musculus

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 <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>
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 <222> (247)..(247)
 <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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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gaccttcctt agttagagag tatggcgatt ggactcccca ggtaagggaa gccctgctgg 180
 aaaggggagt cctccatttt gcactgagct cagaggagct atccagacgt ggtagactac 240
 aacctnatt agcanggttt nccaacagga ttctcatgag gcatncacat agtgatgacc 300
 ttctttctaaa actagacaat ccattggcctt tcaagagaat gccagtggct t 351

<210> 9128
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 <212> DNA
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<220>
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<220>
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 <223> n is a, c, g, or t

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<220>
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 gtcaaaagca catgggctat gtgtatttaa aggcagtgtc tctttccaat gcatgggtatt 240
 aggtgctaca ggcacattta ctattaagca tcatgtatat ttaatagcac aatgtctact 300
 ttagtgctct taaaagcctg tatccacttn atagttttcca tnnttgaaga nccnntgttc 360
 anttctcttg taattttgta aagtgtctggc aaccacaaag agcntctaga ttanccagt 420
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 ggtaatatata tgttttaatt tngggntcac ctntcttgca catttaagac atagattnta 480
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actttaattg ggtacctcag ctggtactgt aatgtgacag ggtgtgtggt ctttccgtac      240
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tgggaaaagg gaccacatag acnctgaatt catcanccat tcgaacnacn actggnacag      420
gaccagact ttcactntag tncctncatc ctnacagctn ccatttncat ccagattntt      480
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 gtttttatttt tttattttttt ggaaccttct tttaaaatgt tgtnattggg gctgaagaga 180
 nntcccantn atntagagca tgacntnggc tatttttcca gaggtcccag gtttgtttcc 240
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tgtgcttttta ttgtagagat ttaaattacc aacataaata agttttttaca tttttttgat 180
cagtgcataa tacttaatct atatgtagac atagaaacta aaatcatggt tttgagtgt 240
ctctcacact tatacacatg cccccccct ntacgcnaga ccagacattg taannattgt 300
tntaagcaca ttacagacag taactcattg aattctcnca agacctgnac acgncacttt 360
ctncctttat tctggnatcc aaggggattg gatnggctgg ctgagatcac agccaccag 420
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 tctataaaca tagaatcctt ggagaacatt ccttagcacc cccggaaggn agatgttnnag 240
 aggcnagcta gacgtggagg aagacgctga ctgtcaaaac tgctgcccc aagctaattt 300
 cctctcacag taccatataa gtaacaaata ataggcaata aaaacctgaa ggaactaaga 360
 gtcacccatg ntctcnatc tattgttacn atcattttat acctgattat ttcctatgca 420
 tatatatgta agaaagatta caccctgggt tttaaaacac aacagttttt gtaagcagat 480
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 ggacagcctg ccagcctcac ntatnaggaa gtngtgccca tcctaattgga gtcaggactc 180
 ctgccctgag gccacatgga ctgggctgtg gactttttga aaacnaggct ctnaattggt 240
 caaccccncc ccataccat cccagtagc cagccaaacc caggccaggg gaaatacacg 300
 gtgagtatct ccagagaata aaatttgaat actcaaatag aactgggccg aggggtgggc 360
 ggagcatgag aggcattgca gccctttctg taaacactca aggcattttc acccaaaggt 420
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ttcatttgtg ttacgctgtt tttagacctg ggatactttt ccatgtcaat tcttgtgtac	180
ctttccctct tatttctgga actccttttc cctttaaaaa atgcttcagg aagaattatt	240
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aggttccgat acatctgtta gataaagaga gttgaaaatt tgggagtttg gtgacaatag	180
atccaggggac gtgggcagaa agcaagttca tttttaaact tggtgccaca aatgccccag	240
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gggcccacag aatcaactaa gccgagctca tatggggctc acagagcctg catgagtctg	240
ggcttggcct ctgcatatat gttatgactg tgtacctggg tgttcttaag gtacctctaa	300
caaggggaat gaggggtgtc tccaactctc tggcctgtgc ttgggaccct tttcctctc	360
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 tctttgctcc tacagggact tttgtatcat gaggtcgaca atggtaacct ctgttggaan 180
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 tcagacttaa aggcctatcg aat 263

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 atgagtacct ataccagatg atgaagtcca acaagttctc cctgccttca gaggccttct 180
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 cgctgtagca ttgtaacatt gtgcagatgg agacacccca cccctctcta cccacccca 180
 cccaagacag ccttcacta gaggtgaag ccaggaagca gacagttgct gtccttattc 240
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 ggagccagaa gcagaaaagg catcccagac aatcccgtg aagactgggtg gaccctagct 180
 aagaacaaca gaatcctctt tctgccttc cagagactga tccaagcag ggcccttcca 240
 aggctattcg agcaccttag gggttgggtg gagccccagc tggctccatg ctctcagaac 300
 aaagacttct gagagttcag caaaagtgtt ttaccttcac ca 342

<210> 9144
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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

<220>
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 <222> (168)..(168)
 <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> (194)..(194)
 <223> n is a, c, g, or t

<400> 9144
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 nnnancttac ccnngccttt ngagatggat atctacagga acttgggnca gtgntggact 180
 tcccacgcac tgcngatggt gacctggctg gcaactgtgca ccctcaactg caggaccatg 240
 actttgagcc actgaggcct ggtgaaccca tcttcaagct tttcagcgga gaagacgtac 300
 tgtatgaggg ggactccatt gtgtaccctg tgttcattaa tgaggctgcc tattatgaga 360
 agcacgtggc attcctgaag tctgagaaga tcagggtcac agtgcctgcc ctgctgaggt 420
 tgaccccccg ctccaccag actccctaac ccaaatacata cctggcctga tctcagtttt 480
 cctatctgaa caatgggtcc caag 504

<210> 9145
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<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> (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

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 <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>
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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

<400> 9145
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 ttcattcttcg gcgctgtccc cgtggccgcc agcgctgtca ctgccctgct gccagagacc 120
 ttgggccagc cgctgcctga tacagtgcag gacctgaaga gcaggagcag aggaaagcag 180
 aagcaacagc agctggaaca gcagaagcag atgataccac tccaggtctc aacacaagag 240
 aagaacggac tctgaaaatg gagagggcgt cacacagcac taaaggaggt ggggttctnc 300
 aggtcccacc atntatngag gagggggagt gaggggagg actggnccat ctaaattgcgg 360
 ancctnccat tcagagaaat ncctcccaa 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
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 aggaagtctt ggagccgctg gacactggca ttggacttca agcgtaaagc acgaagtggg 120
 agtagcagct acagctatgg cccaatggtg tcacacacga gtgtgaccaa tgtgggcccc 180
 cgtgcaggac tcagccttcc ccttagcccc cgcttgcttc 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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 atgcctgggtt ttctatcttc tatttgctaa aggagaaatt caggactggg ctaaagaaat 120
 aaaaaccaca cgactgtgaa gggaagacat gtgaaaatgg cattgataac ctttactgg 180
 acaagaaaga caacttgaga aaaatcttct agcctagact aatgtctctg aagtgttgga 240
 ctcttcagtg acatctctct gtgttttgtt tcctttttct acaaaaagtta 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 agataacgctc 120
 ttctctgtgg ttctgaattt tggagaatca tcaactgtgc taaatctaca ggggatcatt 180
 tcagatcttc ctccagagct gagaataagg ttaagtacca actcagcctc caaaggcagt 240
 gctgttgaca cccgtgccat ttctctggag aaggagagagg gcctgggtctt 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
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 ctcttacaag aaggctcagc gagatctggg ctatgagcca cttgtcagct gggaggaagc 120
 caagcagaaa acctcagagt ggatcggaac actagtgatg cagcacaggg agattggaaa 180
 caaaaagtca cagtgatatg aagagggaga ggacatggcc ctgggtgtta ttaggtcctc 240
 cagaaagggga cttagaaaca atccaactct taacaattcc attttacact ctgtccaact 300
 tgtctttggg tcaccagaag ccttgcaagt cactggccca gttgcaacct ttcagctcta 360
 agcacttgct cagcaatgca caagatgtgc cttagctgct gtgaccaag gataggtggc 420
 tgatagttag ttgcctggaa cctctttagt 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
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 atgcccacag gtcacctgcc cttctgagg gatgataagg gcttccgtaa gctttcaaac 120
 cagccgtact tccataggcc agagatcatt cccactcagg ctatctcttc caggagcagc 180
 atcaaggatt ccccgctcgc actgtcaaca tttgggtatg atcactcatt gttcaggtgt 240
 gaacgttgct gatggcaagg atggagtcta tcatgtcaga ggcagaccca tttggagatg 300
 ggaggttgta ggtggcacac actgtttcac ttgagatgag agctgtcact cagtgaaaac 360
 acaccttcag gttagctgtt cttaggaaac acctctcag gaacaccatc gtgtctagga 420
 gtgacgtttg aggcttttga gagctcctga c 451

<210> 9151
 <211> 480
 <212> DNA
 <213> Mus musculus

<400> 9151
 atacatggta cctgtggttg tccaccatga taccatgatg tggcaactcc aggtcaaagt 60
 gattgtgtgt cgctgcaacg tggaaggcca atgtatgcgc aagggtgggtc gcatgaaggg 120
 aatgcccacg aaactgtcag cgggtgggtgt cctcttgggc accctggcag cgataggctt 180
 cattctcatt cttgtgttca cgcacctggc cctggcaagg aaggacctgg atcagccagc 240
 agacagcgtg cctctgaagg cagcgggtgt aatgatccaa gcagccccag ctgggaggtt 300
 ggccccagct ccctctgaac tcaactgagaa aggaccagat acccaagatg cactggggac 360
 caagacagag taaaagccct tcacctgtgt ggagtgaaga cattatcaca ggcatgtccc 420
 caaagcctga gcacctactt tatgggatga ccatgggaac actccaaatg gcagctcttt 480

<210> 9152
 <211> 409
 <212> DNA
 <213> Mus musculus

<400> 9152
aatcataagg tgtagcttc tcaaaatatt ctagaatfff ctttttgata actgattatg 60
taggtatagt gtgtgtttgt agttactgat ttgagcattt ctagaaataa agtcagggct 120
gtaactatat ttcataffff gaagacctaa gaaaaaaatt ttcactggag aatggctata 180
acatggcata gaaatcatta aaaatggatc tttttgaata ctgtttatat tactctgtat 240
atgatgcac gagtaaaatt aaacaagaga tggataaaaa tggcaaggga attttattct 300
gttatcacac caacagttgc ttgtatagtt tctgcatatt agtctttagt agggcaagca 360
gatctatttg ttgttgctg 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
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tgttgatttt gcacccttg gattgcaggg agtcacctgg agactctagn ctcactgcca 120
ctgtcccat gtttccaaag gatagtgtca cacattgtga acccaggaaa agtccccgt 180
tcaaaaacag tctcttctga atgcgtgtca cttttgcatc aatgttaaag ttgagcccct 240
ggaaagtga tcaactgttta agtctgggcc cacgtgcagt tttgaacata gagacaattc 300
agagccagtc attatagtta acagaattca actgtgcca tgggaattat gaactgagaa 360
ttcaaaaatt ttgtttctct aataaataag gtaaacacca tatagtncaa tgtgggggag 420
actatggggg agtattaatt catctgccac tgtcaaocat 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
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 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 ctccgatata aaacaactga 120
 ttgaagaaaa ggctattgaa agagaggtct tacttggtcc 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
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 agaatgactg aagaagaaat cttacgtcaa cttntgatct acacacacac acacacacac 120
 acacacacac acacacagag catagtgatg tttgtttcag tattcagtgg gtaggttata 180
 gggccacagg tcttggtaaaa 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 aggagaatit acttcggagg aaggtttctaa tntcttgttt gttcatttcc 480
 acatctgcat cattctgatt tcacctggg 510

<210> 9157
 <211> 387
 <212> DNA
 <213> Mus musculus

<400> 9157
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 tgtgccctct atctcaggca ggaatctata ttaatgcgtt agacattgct ccaaggatg 120
 ccagctttct catgggaaca tcaagaggat tggcacattc atcggctgtg ctggtaccca 180
 ttgttgctgg ctttttctc agccaggact ctgaattcgg gtggaggaat ttcttttttg 240
 tagtgtttgc agttaacct cttggcttaa tcatctacct cgtgtttggg aaagcagatg 300
 ttcaagaatg ggctagagag aggaagctca ctcgtttgtg aagctgtccc acttgctgta 360

aagaagtcac tacatacgct ggctcct

387

<210> 9158
 <211> 470
 <212> DNA
 <213> Mus musculus

<400> 9158
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 aagttgcatt atatctatgt gttcctcttc cttctcagtg ggctgggtgtt ttacgtgcca 120
 ttgatacact ttaaagtga gttcgtttgg tttcagaagt tgacttgcta tctgcagtta 180
 ctgtttaata ttgcatccc tgatgtgtct gatgaccaca tacatgaaga aagttgagga 240
 agaatagcct ttgtagccat actgtgttcc agataaaggt taagtgtgag ctaaaatagt 300
 aatgatggca atgctataaa ctgaaatggg atatagaaaa gtaccagga aattcctagt 360
 ttttaaaata tcaaaggaaa tggctgggta gatgactgtg ctgttaaggg caccagatgt 420
 ccttccaggg gactgaagtt caattcacag gcccactta 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
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 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 cacacaacct 300
 aacctcactt acccctgaat tcctgaactc catcagcagt gagctgtcgc ccgcccagtt 360
 tgttgcaactg atgtgtccag ctcttctctc caaccaggac ctactccac ctactccac 420
 tctcaacagt cctggggaat gccattgct ttgctggatt tgttgggggt 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
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 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
 aagggcagggc actccctggc tcctgcgtac ctacagacacc tccagcagct cctaccatgg 60
 acagggtggta cctgggtggc agtgccaagg ggacagagaa tcccttcgag tacgactatg 120
 aaacngtccg caaaggaggc ctgatcttcg cgggcctggc cttcgtcgtg ggcctcctca 180
 tcattctcag caaaagggtc 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 cccactccc 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

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ccctctacga tgtttaccta gatgtctggc aaaagtgggg cctggaggac atcatgttca      120
tgggagactt caatgctggc tgcagctacg tcacttcctc ccagtgggtcc 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 ttaccagtg gaggtgacac tcagaaaaat ctgatgtcat      420
tgagcagttc agccatactg cttctgggtga ggaagaatcc acttcaactc tatttggtac      480
tacagcattc caccatctca gaacagag                                     508
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<210> 9163

<211> 348

<212> DNA

<213> Mus musculus

<400> 9163

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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 ttataaatc taccttgtaa gaagacat                                     348
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<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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ctggcttcct ctggcaaagg catgaaggga ggaaatcttg ctgctcctgc cactcatcca      60
ctgctgcctg gtccttcag tgcagtgatt cttgctggtc ctaaccaagg cttgggtgag      120
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ataggctgcg tgggtgcaatt cttctcaagc cgtagtgact gtactnaggc tgggtggtacc 180
 ggggtggcagg acctgcgttc agacctataa ggagtgggtct 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 acttgacta ctgaatttgc gaattttgtt tttttgagct 180
 ggaccgatct ctgggggacg acgttgagct aggatggcat ttcactgtga tcccccaagt 240
 tcaagccagt ctttaactca gtgttggtt aagtttcct 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
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 caagcggttt gaggacatga ttgcaccctt ccgcctcaat gatggcttca aggacgaggc 120
 caccgtcact gagatgagga gggactgtcc ctggaagatc tcagatgaag agattaacaa 180
 gaacagaatt aagtccttc ggcaggtgag actgagtgag atactgctgg attactctcg 240
 ggatgctgct ctgatcatcc ttaccctgcc cattggaagg aaggggaagt gccccagttc 300
 gctgtacatg gcctggctgg agaccctgtc ccaggacctc agacctccg tcctcctcat 360
 ccgaggcaac caggagaatg tgctcacctt ttactgccag tgatgcctgg ggtgacggga 420
 accgccacc agaaccctaa 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 gncctgtagtt 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 cgcattggaca cataacc 396

<210> 9168
 <211> 539
 <212> DNA
 <213> Mus musculus

<400> 9168
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 tctggtagcc tcctccacca tgtgcatccc tctggtagcc ctggggactt ttgtcacacg 120
 ccacttcaag atcagagaac agttttctgc agcctgagaa ctggagggtcc cacagacttc 180
 ctgtcagtc caagtttcaca gccactccct atatatccag cagtgggagg tctacagctg 240
 ctttttaaaag ccacaagtat tttctgcttc ctgaatctgc aaggaaaatt aaatttctctg 300
 tattaaattg taggctgaca gaaacctaac tctgaccata aatgctgagg cttttaccct 360
 tttgtttttg ttttcaagac agggttttctc tgtgtagccc tggctgtcct ggaactcact 420
 ctgtagatca gactgacgtt gaactcagat ctacgtgcat cccaagtgtt gggaataaag 480

gtgtgcacca ccacttccca acagctttta ttcctcctct tccatgacgt atacttttg 539

<210> 9169
 <211> 513
 <212> DNA
 <213> Mus musculus

<400> 9169
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 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 ctccccccgc ctggcactgc 300
 ctgctcacca caatgccacc cgtctctagg ctacaggccc cgactactgc ctggaacgag 360
 gagtgggtatt tttaaatgc 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
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 atagttctta ctgta 75

<210> 9171
 <211> 500
 <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> (314)..(314)
 <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

<220>
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 <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
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 gggaacctgt ccttgcggcc gccgagatct accgtgtgct tctgtgaaga ggctttgacg 120
 tagcccctct ttgagctctt acaccatgct actgacttct agaaaggcta attaggtctt 180
 cttctacacc taatacccta agtcttactg actctcacgg gagaagtctc tgtgctacac 240
 ctgagtggtc ttattgataa ccttgatacc agatcaggca agataaatcc gtcatanacg 300
 gcatggctac cctngctncc nacagggcca cagcacatag ctinnatcacc ctgttatnt 360
 tcatcttgca atntggatg gttttcctgg tgaatgatca gcttttgctg tggatattctt 420
 tatacatctg gacttattat tgaaatcaaa tgctatagaa tcaatagttt attttatgtc 480
 tatttttctt gatcgagag 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
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 tccttatctc aaccaaataa aacttctgga tttctgcnaa nncaaaagat attgtattgg 120
 ttgcctatgg tgttctagga acacaacgat atggaggatg ggtagaccag aattcccctg 180
 ttctcttgga tgaaccagtt cttgggtcca tggcaaaaaa atataatcga actccagcct 240
 tgattgcctt tcgctaccag ttacagcgtg ggattgtggt cctcaacacc agtctcaaag 300
 aggagcggat caaagagaac atgcagggtt 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
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 tattaggtag gtgagcaaga gacccatggt ccacttacat gaaatagagt cttaacatac 120
 aaatatctat tgtcttcttg gctaaatatt ttggtatttc taccttagta ctactttatt 180
 tttttctctc tctaagtggg atgcatagat gaaataaaaa tcgatgatct catagaaaat 240
 taatttcaca gggtttccaat ccactattaa aaatgtatcc agatcctaca tttatttact 300
 ttctaaatat ataggtatatt aaccctgtgt 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
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 gagcttacac accacctcca taaaggagtg tgccactgac ctctgcagag cacagaaaga 120
 ggcagtgggtc tgaagatcaa tctatgggaa gacttaagaa tgacccttta atggaggagt 180
 tggcatatat ttcaagttgt ntctgttggg tccagggttt ttaacctctc tagttaaggg 240
 cttagctttc ttgggacatc ggctncctta tttctgaaaa agaccaaatg taactgggtgt 300
 aaccagcagt ttgg 314

<210> 9175
 <211> 477
 <212> DNA
 <213> Mus musculus

<400> 9175
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 ggaggtctgt ggctcatcag aggccctcca taattcagta catagcaact ctagcattct 120
 ctgcctccat cttctacaga tgcacctgaa ttggtacctc acacttttgg ctcctttgct 180
 ccttgttttc ctcttgtagc cttcattcct acttagatag aaacaacttg catcatgttc 240
 tcctcctctc actcatttat cctaaacaca ctgcttcaat aggctgtgtg ccctgtggct 300
 cctcatgttc ttctctcttt tatccctttt atcatttggg attaacacca tatttgtgca 360
 ttttttctct tgttcttctt ctcttttaca ataaacactc tttacagctc agaacacctg 420
 ctctgcctta ctctctatt 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

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tactacagcc tacctgttca cgtctgagtt gtaccctact gtgctcagac agacaggaat	120
gggattcact gcactcatag gccggctagg ggcctctctg gccccactgn gtgngtcttg	180
ctggatggag tgtggctggt actgccccaa cttgcttatg gggggatttc tttcctggct	240
gcctgcactg tactcctgct gcctgagacg aagaaagcac agctgccaga gaccatccag	300
gacgtggaaa gaaaggggag gaagatagac agatccggga ctgaattagc ctagggacag	360
ctcaccaagt agctggaaat agaaggcagg ctcttgtagc tgggacatca aattcctctg	420
cctaaggatg gagctgctac tgggtgctgtc tgccctgtgtt tatccagtct ccaaaaa	477

<210> 9177

<211> 440

<212> DNA

<213> Mus musculus

<400> 9177

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cgagtactct tgtacatgca aatgagctag tccccaccat aatcagggca actgcttttag	120
gagtcgttgg aattgctggc agtgctggag gagcgtgtc tcctctactt atgacctca	180
cgacatactc tgcttccttg ccctggatca tctatgggat tcttccttc cttggtggcc	240
tcgttgccct tcttcttct gagaccaaga atcagcctct gcctgactca atccaagata	300
tagaaaataa gagggaaagc taaaagagg 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

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attggcaggg gtcctgtctg cactaacact tgctactaga aagtattttg tatactttcc	120
catgatactc tatggagtcc taccatcgt ggcaacaatc agcatcctct ttctgccaga	180
gacctttaac cttccacata ctgacattat caaggatat 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 aagggtttta tcaaatactg 480
gagtacaatc ccttttcata a 501

<210> 9179
<211> 257
<212> DNA
<213> Mus musculus

<400> 9179
tttaatcctc accatcaaaa acaagttggc atctttcagt gctgttcttc cttcaaagt 60
gatatgtatg aagcccctgt ctctgaagg aatgtggcaa aataataagt ttaaagtatc 120
agcttttgga ctcatatt caagtcgtta cagaacacac agttgctgtg agcactgtct 180
gttggtctgg 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 ccaaattggaa 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 accaaacctt cttcataaag taggggtgcca 120

aacagatacc agttaatcga aacctcagct ggggtgtttgg 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 gtactttcaa agtgggcctg gcagtcagag 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 cacctttaaa 420
gacaccgcaa accttgtgaa ggaagactct gatgtatagc cttgccaaact 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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tcattttcttg tacctatttt cgccctcagc ttcttgatat gatttaataa aaagctgtta 120
atgtgtaaat gtataccctg aagattttaga gtagaaatga ctgatttttt atataaaagt 180
ttagattttac 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
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 cttccgaggt ggaaaatgca ctgatggagc atcctgccgt aagcgaaaca gcagtgatca 120
 gcagcccaga cccttcaga ggagaggtgg tgaaggcatt tgtggtccta gcccctgaat 180
 tcctgtccca tgaccgagac cagctcacta aggtgcttca ggagcacgtg aagtcagtga 240
 cagcacccta caagtacccc aggaaggtgg agttcgtctt agacctgcc c 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>
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 <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

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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> (224)..(224)

<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> (231)..(231)

<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> (283)..(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>

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<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

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<222> (460)..(460)

<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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 cggatggcac attcgtagtc aggacggtcc aggagctgct gccggcctcg tttggacctg 180
 aagacctgca gaagattcna ntgaagnttg aagaatagaa tgtntgntga ntgtgcaagc 240
 cctacctaag gaacggctct tngaagactt cataatgatg ctnnnnntn tctggcntgg 300
 ngccttgggg acacttgcca catgggtccc aaatggctgg gcaagggatga ccttgattca 360
 cacaccacag cctccccttg agtgatggaa ggtgccactc acctaggcca aagcccacat 420
 cctcttgggg actcagagca ctctctctct tccactccn aagacacggg tnttcagac 480
 ccggtctgcc tccctaccag ccttcttagg ctctgtcgtg tgactt 526

<210> 9186
 <211> 543
 <212> DNA
 <213> Mus musculus

<400> 9186
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 ttccgggggtt tcggggccgc ggctgctggg cagcgcctcc tccagaccga gaccacagcg 180
 cagaatgacc agaaggcggg ggccttccgg cggagtgctc gcgccaagag cgtgctgcgc 240
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 cccctcccag gctggggcgc gagcctcctt caggggacct gcccttcca gctcgactct 360
 cacattcgct ccctgcacgt tctgtgactt ggcaattcgg gctcatcagc tgtctcatgg 420
 gcgctatatt aatcactgag ggttgctgtc cagttcgaaa ttaatcgac tgttttctaa 480
 ctgcagcaaa ctttcttagc attgcctggg tctgtagcca ccgcactctg aactattact 540
 aac 543

<210> 9187
 <211> 469
 <212> DNA
 <213> Mus musculus

<400> 9187
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 gatcccgag cactgcactg atgtagccct tccagtcact catctccgct cagtcagtc 120

cagcaacttg tgcttgcatt aggggggggtg gccggctgca ttcagagcta agaacttg 180
 cagcatgccc gaagttcgca gggcggggct gtgacgtaag gcaaactgca cagaacatct 240
 aactaggagg agaaggagag ggcggtagag ttggtggggg ttcgggggcg gttctaaaag 300
 tagcatgtag gaggaaatgg aagaagatgg atgagaggct ggaaagggtg ctcagcgta 360
 agaaagagca ttcattacac agagcctgag ttccgttccc agcatcacct cttttggcct 420
 acaaagcctg taactccac tcgagagatc tgacaactcc tgaggcaag 469

<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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 <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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 gctgtggtga aggatgtcca ctacctctac ttctccatga ttctgtcttt taccaccctc 120
 atcactgtgg tcaactgtgag ctggttcaca gagacaccct ccaaagagat ggtcagccgc 180
 ctgacttggg tcaactcgtc tgaacctgtg gcccagaagg actcagcacc accagaaacc 240
 cccctgtctc taaccctttc tcagaatggg actacagagg cccctggcac cagcatccag 300
 ctggagacag ttcaagaaag tacgaccaa gcctgtggcg atggtgtgtc tcccaggcat 360
 tccaagggtg tgagggctat cctgtggctc tntgggatgg aaaagaacaa agaggagccc 420
 ccaancaaag cggaacctnt catagtttcc ttggaggaaa atcccttggg 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 cccccaaaa catatcactt cctttagctc    180
acagtcgttg tcatatcttc acttccttga a                                  211
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<210> 9190

<211> 328

<212> DNA

<213> Mus musculus

<400> 9190

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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
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<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

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ctgatact                                  68
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<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

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<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 aagttcacia atttaacatg ttaagacctn tctgctttgg 120

ttttcatagt ntcttaacct ggagtaaatt ctgtagaaca ctg 163

<210> 9193

<211> 311

<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> (80)..(81)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (84)..(84)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (101)..(102)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (158)..(158)

<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> (210)..(210)
 <223> n is a, c, g, or t

<400> 9193
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 cgggtgncat gggcaccagn ngantgacca ccttccccag nntgcgacc acagaccca 120
 gcacagtcag catgggctga aggaagtgcc aggcactntg ggaaccctt catggtcac 180
 cctcctgcc tcagatcctt aacttcctn 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 cttttagggg ggccagtcctn ctaggcattt tacccttggt 120
 ggtcccagtc aactgtagta ccatcttctc tactgctagg tacttggtt ggaaaaaaaa 180
 aaggaagaag cagcctcctg cccccaccc tgacactttc ttagtccaac ttcaggtctg 240
 tctcatgatt ctttggttg ctcccaaact acttcaggat gaagaaaccc aaacaccagt 300
 cccgaattca ccattgagaa atatcgccag tgaaccccc tcacccccag acagtctgtt 360
 cacctcaagt cctcccaagt tgagttccac tgggcagggc tcctacatac accctccaat 420
 aatgggaaac tcaatacaca gccatttccc cacaatttct ttat 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>
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 <222> (110)..(110)
 <223> n is a, c, g, or t

<400> 9195
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 gcatcaaagg ggtggagaac agatgtgtgt acnagtgtta ccaaggcggn tgtgatcggt 120
 ctcaccaagt ccgtggctgc agacttcac ccaacagggca 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
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 cagatntcat tcaaggtggg aaagaagtgc cccgagactg ctaaattaag ctgccctggg 120
 taaattcccc tctgctctgg ttttgaattc tctcagctaa gaaaccctct gcagctggag 180
 agtcgctctg tgatagagtg attttgagac ccacgcagtg ccttggggtt gatctctaga 240
 gccagaagaa aacaaaaaca aaaacaaaaa caaaacaaga cctctctaca taaagtgcag 300
 gaggaaaatt caccatttc cccatcccc acccgatata catttgaagg atatcttagt 360
 tttgaaagat tgtcttagtt ttaaattccg 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 ctcaaagtc actntcaacc tcggcactga tatcccctcc 120
 gccatgcagc cccaaccctg agcaaactca gggctgtgaa gattgccatt tccgcatagt 180
 ggcaatgcac tgcacgcagg ccggttcttc tgctagcttc tccacatcca atgaaattct 240
 ttatttcttt gccaatatct tatcagcagg ttatctatct ccggtggtgt gggttcatta 300
 atctaatttg actcatatct ctagcttctt tcagtaaata gatcactgat tttttttttt 360
 ttnggtctg tcagtatgaa cttatggtac tagaaaaatt acctttcttc ttctgtatt 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 ggctgcccc 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
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 tctcagtttc atattgcatg catcccttca ttttaattaac ttgtaaataa caacacttcg 120
 tggcagctaa gcaaataattt taataagcca tgaaagncna gatataagaa ctctgtactt 180
 tcaggtatatt agaaaaaaaa aatgtacttg ccataagtta aagcagagtt gccatttgaa 240
 atttccttcc cttaaaaata tgctgtaaca ccatgtgttc attgttgtct tttcancctt 300
 atanatatat gatgtgacta ctacatcttt gtgaaatfff gtttaacaat taatggtttt 360
 aacaatctga acaacaattc aaggcagaag taaatgcata aggaatttga gcctgtttgt 420
 aagaagtcta ctctttatgt 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
 cattttttaa taaagaaata gagccttgaa aagctgattt attgcttttag aaggagagctc 120
 aggcttagat cttgaattag gtctttgggc tgttaccctt gttcctaata actacaaaat 180
 cccatcctgc tgccttttct tccttggttt tacacacca caccacacc 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 gtcatgcaa gtctgagctt tctctcatct gttcagantt 180
 ttttttttcc aggatagttt agaaaaaatt cagaatttgt atagtgtctg tttgtatatt 240

tacagattcc atgtatttca aaatcagttg tagctttcga ttaatagatc actgctgggt 300
 tatttctatt tatagttctt ggaaagatta agtgctacag tttcatacta ctgaggaagt 360
 caataaaaat tcgcaaacat gtaaattgaca ctcaaagggtg tactttttcca 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 gggaagtcac gctttattga aagctgtgag gtcagacagt 300
 atattttaaa cgaaccctga aagaacatat catttacagc agagatcatt agccatagag 360
 tcttaciaat 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 gtgcgggtccc tagattgtga tgctggagca aaaaggaaga 180
 aaaagaacaa gaagaattgg agtatgccct gaagattctt ggccttgctc acataaaagg 240
 agaaaggcat aacagaatga aggagattca agaaatactg aagaaattag gctaagaaat 300
 tgaatcaa atctggattc ctggtgccta aatttggcag tgagaaaaat cagttatgat 360
 ctcaatggca taactttcca tttaaaagtt tcaaggagaa tggtactttt tccct 415

<210> 9204
 <211> 431
 <212> DNA
 <213> Mus musculus

<400> 9204

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gaggcccacc aaacggagac gtcattccagc 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

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<210> 9205
<211> 552
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

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<400> 9205
tatgagcagt gttcagagtc caagtaggtg gtatagatgg ttcaatctaa aagggtctga      60
gaacctgtgg ccatctgtag cagaaatggc taggacatag catggagtag tcattgtagt      120
tcaggcccca agaagactgc cccagagagc cacacagcat aggggaagtac ctctgccatg      180
cttagatacg tgggagtaga tcctctgtta agtagatgat cactcaaaat agacaggagg      240
ggaggaagca gaggggaaggg cacaggggag agggtagcga gcaggcaggc atggcggcac      300
cctggaacta cagaggtggc aggggaatttg agttagatag ttctcagtaa aaagtttagc      360
naagtatctt ttctaaatag tatgttttgt ccacaggatt actgccagaa aaaaaaata      420

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ataaaggcat gttattccnc atagctgacc ccagtgagc gagcaacaga aattaagagt 480
 cctatagttt gtntctgagg aggggaccca cttcagggct ctntgatggg taagcctcaa 540
 atcttgact 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
 tggcttcaga ggcagtcctt 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 gtgggttctgt cttcaatacc tctcccatcc 180
 gatgacttta aaagcacagg aataaagggtg tatgaggacc ggcagaaatc agtctacgca 240
 gtcagctcca atcagaacac agcctacaat ggcactgatg gcctcgcacc agtcgaagtg 300
 gaagatctcc tgagacaagc ctccgagagg aactctaaat caccacaga gtaccatgag 360
 cccgtgtatg ccaatccgtt ttgcaggcct atgacccac agagagaaag agtaataagc 420
 cctggaccaa atttcaaga 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 ctgcttgag 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
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 aagggctgag caggcgcagg acttcatttt tagggggccg gcgtcgctgg gggggcctgc 120
 agaagcgaga ggtttcccct tcttccaatc tggaggagat cttcgactgg aagcgttctt 180
 acacgaggtg agaggtgagg cttacntang gaagaccctg gacctgagag atagatccca 240
 cagtatcaca gcgaaggggg agggggggacc tgcaccctc tcttaaagtg gagaaagaac 300
 ttccaccctg aacgtactac ctaaagaaga attgccctgg ctctgagaaa cattgcacat 360
 cctgctcggc cctggccac 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
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 tatacatnng tgtatgtata tgtgtatatg tacatatata tacacatgtg tgtatatata 120
 cacatatata tacatatata tatatatatgc tacnacaaaa tatttgacca aagtaggcct 180
 acagctatct 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
 attaattgatt ggtgggaaat agcccagccc attgtgggcg gggccacca 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
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 ggtggggggac cagatttggg gaatctgtga cggtttctgg gatggaaana caggatctcc 120

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tggcttctct cttcctctag ttctgagcta gagaaggcaa ggccaagagt ttacatcaga 180
atctctccac cttttgtttg tttgtntgnt tttgtttttt gnttttgttt ttgtttttgt 240
ttttgttcnt gtttttgttt atgccttcct caggctctcca cccctgtttc ccttaaaaca 300
aggtattatg tagccgaggc cagccttgac cggaactctg tataaccaag tctagccatg 360
aactcttgac cctctggcct tcacctcctg agttctggga atatgggcgt gtaacgctat 420
tcccagttta tatgtggtgc tggggttcga acctagggcc ctgtgcatgc taggagatat 480
ctataactaa tttaaatcca cagctcccca 510

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<210> 9214
<211> 462
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

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<400> 9214
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ttgactgcca gtggatagac atcaccgatg tgccccctgg agactacctg tttcagggtg 180
tcattaaccc caactatgag gtgccagaat cagatttctc taacaacatc atgaagtgca 240
ggagccgcta tgatggctac cgcacttgga tgtacaattg tcacgtaggt ggagccttca 300
gtgaggagac agaacagaag ttcgaacact tcagtggact cctaaataat cagctctctg 360
tgcagtaaag acgactctgg gccaggcatg atggctcatg cctgtaatcc ccgcactcag 420
gcaggaggat tgccacaaga ttttactctt ggacactaga cc 462

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<210> 9215
<211> 228
<212> DNA
<213> Rattus norvegicus

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<400> 9215
gaacagcacc ttcttgagg agtacatgtc cgtgaagtcc ctggagggtga tcggccgagc 60
caacatcaca gtgaaatcct ccattaagaa cttgctgctc agagatgcat ccacagtgat 120
cccagtgatg gtataacttg acccggtggc tgtgggttga gaaggagtcc cctggtgggt 180

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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>
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 <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
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 gcctgctacg gcctcatcag cttcaagatc tggcagaatc tgagactcaa gacggcagcg 120
 gcggcggcgg ctgccgaggg gaatgacgcg gcgggtggag ctgggcgtgc ggcgttggca 180
 cgggtcagta gtgtcaagct tatctccaag gccaaaatcc gcacgggtgaa gatgaccttc 240
 atcatcgtag tggccttcat cgtgtgctgg acacctttct tcttcgtgca gatgtggagc 300
 gtttgggacg tcaatgcgcc caaggaagnt nntgnnnncn nnnnnngnnan nnnnnnggcc 360
 agcctcaaca gctgctgcaa cccgtggatc tacatgctct tcacagggtca 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 atcgcccttc atgtcaaacc tcgattctcc agcgccacgg tgggtgggcaa 120
 tgccttccag ggagggcggt ggggacagga ggaggtgtcc agcgtgttcc cgctgacctt 180
 gggagagccc tttaggttg aggtgagtgc agacacagaa cactttcaca ttacgcca 240
 ggaacaaaag gtgctccagt tcccacatcg gcacagaccg ctagctacca tcaccagagt 300
 gcgagtgttc agtgaccatc ggctggccca ggtggagctg gccaaagcgg gcctgagctg 360
 gggggatggg ggctactgag tggactggac cacacagcct acaagagcca gccttggcca 420
 tcctgtatcc cctgccacct ggagccacat gccacgcatt gcagatgtg 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
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 tattttaaat gtgtttgtgt ttgctcatth gctttttctg aggattggaa gatgtaggtt 120
 ctgtgtcgac tgggtctnac cagtgggtatt aaaatcatnt gctatttagc ctcacatga 180
 atgagcaatg ggatcaattc aactaattca agaaaccaa ctagtttagc 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
gcccttggtta acgtgaaatt gggcatggct tattgaatca catcaccaca aaacatatca 240
agctataatc aagtcaataa ttcttttcaa tcaaagatg aggacatatt gcaatgcggg 300
ttcgtttggt 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 cctgggtggga ataccgattg ccacctcctt gctagccaga 60
tccagctgag aagaaagggtg ctcattcatt cccttagggg cagggctctg gcacatagct 120
atccaaactt gatganaagc tttagcagc ttaccctatc caagctttgg tatatcccaa 180
gtgtgacatc accatgctct gcatagatgg gccattttct tctgggaaca cggcaggtat 240
gaactcaaca actgcagagg tggtaagct 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 taccgtagt 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 gccaaactcag 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
 agtggtaag ggaacccaag gacaacacca gccaggccac tctagatgca tggttctgaa 420
 catttaggtg cctgttattt tactgtgtat attttacttt aaatatatta actttttgtg 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
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 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 ctcttgact 360
 tagacaggca agttcccaga tacttta 387

<210> 9226

<211> 532

<212> DNA

<213> Rattus norvegicus

<400> 9226

tgtacccag taccacgcag tgaagatcct tcgggaagac cggcagcagt tcaaggagga 60
 gaagacaggc accattcaga ggagtaactg gggcaattcc cagtgggagg gctccgacgc 120
 acaccctatc ctggctgccg actggcaccc tgagttgggt cctgatcgac atcctgtgtc 180
 agtcactgcc taacttctcc tgtccaagc cagcctctgg gttccttcca ccctttcca 240
 agatggctct ttgggggttg agatagtga gtaggttgct ggcttcatgt tgaaataagg 300
 caggttctgc tttctcaggg gcacagatct tttccaccgt gagaaccacc ctttccatc 360
 ttctccgtac aatgctgtga gacacggggc atggctggaa ggacaggcat gacctggtgc 420
 aggatggaga agaaggggta ctgagctgcc tctctcacc 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 gcatcacctg ggtacaagag gtggacacag tggagatctg 120
 tggggccttg aagaatatag tggctgttgg ggctggcttc tgtgacgggc ttggcttcgg 180
 tgacaacacc aaggcggcag tgatccggct ggggctcatg gagatgatcg cctctgccaa 240
 gctcttctgc agtggctctg tgtcctccgc caccttctg gagagctgtg gggctcgtga 300
 cctcatcacg acctgctacg gggggcggaa ccgcaagggt gcagaggcct ttgctcgcac 360
 cggaaagtcc attgagcagc tggagaaaga gatgctgaac gggcagaagc tacagggggc 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 aaggatcgc cgggcagggtg tccatagatg 120
 ctaatgggga tcggtatgga gacttctctg tggttgccat gactgataca gaagcaggta 180
 cccaggagggt 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 cgggtggctta 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

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 gtggtgttgg gagccgtgat cgggtggcatc 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 agcgggttagc gggccgggcg 360
 gggggtcggg ggtctgcgat ggagctttcc aaaggctctc aggtggtggt catcgagatg 420
 gagcttcgca aagatgagca gagctcggag cncgggcctg cagtcaaatc cccagtaga 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
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 ggagaacccg atgtggatct gtgttggtgta taatctgact ctttccaaag tgctcccacg 120
 ggagaccaga gctgatactc tgacagggcat acttgtgaaa acacaaagac cactgagacc 180
 tcttctttga ctaggacaaa gaataataag gaagacgaag gatagcttca tctgtcaaac 240
 tacntttttt tttccttaga aaaggcataa atgtatggag ttcgattatt tcggggaata 300
 actcaaaacc tgcattgtga catccgatct ctggagcatg ctatggtatg ccaagcacc 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
 tccaccctc caccaggccc ttggtgcta tccctttcca tagttaagca ctggatacct 120
 cctggtccct ggctaggacc tttccctctc attcctattc tttctttgag taaagaggta 180
 aacaagatca acgtgggacg cctccccctg agacgcgcct tccttctgct tccttgaccc 240
 agctccgcac aattccctct cccactctg cccattccc atgtcccaa 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 gagggctctag cagaggatgg tcagaaatga 240
 gtcctttggg gttaattctc tctcaccaac tttcaaagac atggctgaca ttcccaaccc 300
 catcacctc ttgcaccctg ggccttggca ttaggcagag ctgttgTTTT aaatgccaac 360
 actggtttcc ccccatatcc tccaacaag 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 agcgggtgtag 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 taaaa 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

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aggagaagct acaacgtgac cccacctccc attgaggagt ctcatccctt cttccatgag      60
atctacaatg accggaggta caaagtgtgc gacgtgccct tggatcaact gccacgttca      120
gaaagcttga aggatgttct ggaaagactt cttccctact ggaaggaaag gattttctccg      180
gaaatcttga agggcaaaac cgttctgata tctgctcatg ggaatagnag tagagccctc      240
ctgaaacatc tagaaggtat ctgagacgag gatatcatca acatcactct gccccactgga      300
gttccgattc tgctggagtt ggatgagaac ctgctgcca ttaggcctca ccagttcttg      360
ggcaaccagg aggccatcca gg                                              382
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<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

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atggctctct ggtatggtcc cttttccttt cttgagattg catatgtttt cttcagaata      60
caacagtgat tcttaaaata actcaaatga aagacacca tagtgtgcga gcatgaatca      120
cagcctgcac tgtgtgagca tgaatagtgg gataaaaagt ggatgtcaaa agagtggaaa      180
tcaaacctnt gaaaagctct ttctctctgt gaaatgtgtt aagaaanacc tgaagtctgt      240
gtctgtggtg gtacccagac tgtcaatcaa taag                                274
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<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
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 ctagggaata caaacggctc cctanaattc cgcgcaaaca tttctccagt gtgatagaga 120
 ctagtctaca tctttacgga cctccaggtc tttgagagac cagcctcccg aataaaaacta 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 gaaccattg 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
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 taccccaatn aagtgttaanc caagggttgt gcttggatgc tgaagtggcc ttagcaactg 120
 ggcagttcct tgccccaac agtcaccagt ccagcactgc agcctntcag ttttcggagt 180
 cccgaggtga gaccccctgt 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
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 caggatctnc caaacagaca aactccaccc agtaaagtat actccttagn ttatactctt 120
 gggatcaccc ctggagaatt ctgggcagcc tgtccaacta gctctgcctt ttatgccag 180
 agtatgtcag caaccggtga ctggggggct ctgatctagt atcttggttt ggtggacata 240
 ggaagtgggtg ctgagttatg attgaggtgt ttgggggaag aattctttcc tgctgcttcc 300
 tgggtgctgga 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
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 ccacccagga tgtctgtgag tgagagtgca gtgtttgcct acgagtcctc tgtgcacagc 120
 accaacgtct tgctcagcct caatgaccag cggaagaagg atgtgctgtg cgatgtcact 180
 gtcctgggtgg agggccagca gttccgagcc caccgctcgg tgctggctgc atgcagcagc 240
 tactttccact 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 tgcttgctga gtcagcctgc 60
 atctgcgcct ttggtcgaaa tactttcaaa 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
 gttgcgcaa cactgagcg gccttngcag ccgcatgcc acctttaatc gatcataaat 60

cggcgcgatt tttcgattga gctctgacca ttgagctgcc gcaccccctc cccagcccca 120
 cccctcgctt cagggcccgg atgccatctt ttttaagtcag 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 ctttctgcag atgcaccaga atggggacct agtggaagaa ctgaaaaagc 120
 tgggaatccg ctctgccctg atagatgaga aggaccaaga ctccaagtga gggccccggg 180
 tcctcgccgg gcgggcagag cgccctcccc gtcgtcaggg ccagaaaagc ctcactgcgt 240
 ggtggtgtcc tgttgcctgt gcgcttgac tgggtctcct ggcctgcaag cgggcagggt 300
 gcttttactt tagtctttgg ctccagaatcc 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 atggtttggg 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 aacaagtcac 180
 cactgagtcc ccactggcag tcaactgttc aatgagcagg tcaactgttt attccacaat 240
 agttcctgag aagagtgaac actactaggt agcacttggg cagtttacac cagaggccca 300
 tcgaatggca gagtcatgga tgggcccttg ngaaggcatc cnagaaccac agtagtacia 360
 ggccctttga tttccccag 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 ttctaatagc accctgcacc atgctggctgc 60
 caccacccac caccaaggaa gcaacaatgg agaagctgat ggctacactg cccaacccta 120
 atcagnttac tctccagata aatgtcgttt ggctcctggg cagacgccag gctgttatgg 180
 tgcccctggg ccagcattca gaggaacact ttccaaacct tgaggccaag gctgtgctga 240
 agaagttcag agaggaactg gctgccttgg ataaggaaat tgagattcgt aataagagct 300
 tggacatacc ttatgagtac ctgcggccca gcatggtgga aaacagcgtg gccatatgag 360
 catccccaga ctctgctttt gttgtttagt taagaccacc caagtacatc cctgtgcttg 420
 agtggtggca gtcctgccct cccaagcccc gccctctgac cctcaaagcc ccaccccctg 480
 cccatgtggg accctcctcc aagctgtcca ttgtctgctg caat 524

<210> 9247
 <211> 449
 <212> DNA
 <213> Rattus norvegicus

<400> 9247
 cgcccgccat gatgctaggt aacaaacgaa tggggctgtg tggactgacc ctgctctat 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 tttccccca catctcatct 360
 catcctgtga aaccagtctg cctgtccac ccaatgcatg ccaccaccag gctggattcc 420
 gaccatttc ccttgttgtc gttgtatat 449

<210> 9248
 <211> 471
 <212> DNA
 <213> Rattus norvegicus

<400> 9248
 atgactccca ggactttgca gtgctgaaag agggaccctc cagtggctcc tacagattga 60
 tccagtttca ctttactgg ggctcatctg atggccaggg ctctgagcac accgtgaaca 120

aaaaaaata tgctgcagag cttcacttgg ttacttgga caccaaataat ggggattttg 180
 gaaaagctgt gcagcaccca gatggactgg ctgttttggg ttttttttg 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 cagggtgtttt ccgaaacaaa acaatagttc 180
 agagtggaat gttgaagaac aaaggaacag cacatttgaa tacaattaca ttttatattg 240
 agttatttta gccagattg ctgttcacgt ttcctttgat tata 284

<210> 9250
 <211> 306
 <212> DNA
 <213> Rattus norvegicus

<400> 9250
 ggtctgggct acacgtcgga cgaaaccgtc ctgttccgct actgcgagc cgcggtgcgag 60
 gcggccatac gcatctacga cctgggcctg cggcgccctgc gccagcgacg acgcggtgcgc 120
 aaagagcggg tgcgagcgca cccgtgctgc cgcccgacgg cctacgagga cgaggtgtcc 180
 ttcttgacg tacacagccg ctaccacacg ctgcaagagc tgcggcgcg 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
 caaggggtcgg gcagctaagt ccattggtcc ttagggaagt ggcagttggc tctcccctga 60
 tcagcatagt tgaacaggag ccagtgtctg tcccttntac cttcccatcc agagtttggt 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 cctgactgc aaaaaacaac cctgaccgtg 360
 aggaccttct cctgcacca gacccacct ttgaccttta accttctctc tccccgaag 420
 gagctcttct gagtggacat gggcccaagg ccttacctaa gtggagaggg agggcagggc 480
 tgctacatgt ctccttctat ggtaggtcac catthttgcac atctacta 528

<210> 9252
 <211> 472
 <212> DNA
 <213> Rattus norvegicus

<400> 9252
 attgccagga ggaaagccct tcacccccgg aggaggagca gtacctccta actgatccgg 60
 cacctgcttg tcaccaggat ccagacattt tgtgttcttg agcactttgc aagagagagg 120
 agtctgcagg actcagaact ttcaggagac cctgggagtt gtggctatct cctgggtggg 180
 agcctccagc attcctcaag ctcttagttc tccagaaaac tggctttcat ctgtctgcta 240
 acctcagaag ctgggaatgg gtgtggactg aggaaatgga tctcaaggaa tatcgtgggt 300
 gttgttggtg 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 ggcacccta tctcactctg 120

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agatctgttt gacacccttt ggacagcagc tttagctgct ggtgtcaagg gtgcgtgccc 180
attgggctag aaggttccag caggcttctt gcattactct gcacctagct ggcttgcttt 240
actggcactc ttgacttata 260

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<210> 9254
<211> 500
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

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<400> 9254
aggcaagacc atcagcaccg agagccccaa acctatTTTT acttagagac tggctttggt 60
cagtagctcc ctgtggagac agttgacagt atttctctgt gccggtgtca ctgatggagc 120
tgccccctccc ccgcaggggt gccctcacia actgcagccn tgcagggggc tgggctcctg 180
tctgctgatg ctgccacct cacctgcaga ggtgcctgcc agggcgagtt ctcaggtgtc 240
tgttgctgtg ccatgggggc cttcttctgg ccctgtgccc ctcaggcagg ctctgtgccc 300
accagcccc ccattgtcac ctgtaccagt ctggagcatg acctagctgc acagggagaa 360
ggtccagccc acacacgtct gggaggggag gagtgggcat ctctggcagc atgggctgcc 420
cacaggctgg gcagtgggtc cctccacacc tacctcaggg agccagtgtg taggcactcc 480
acagcatgcc tgtagtcaa 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

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```

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (389)..(392)

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<223> n is a, c, g, or t

<400> 9255

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catgtactca ttaggcttgg cttttgttag cccacaaagg gatcttttcc ttttaagaccc    60
ccagagctag agcaaaggcc tgattcagga gcctctggga gccccatcct cactgctgtg    120
aaccttagag cctcncctgg cagcacttgt tgctgggcaa tgaaccagtc actgagcttc    180
actttttggg ccttctctgt ccctccctgt ccctctctgt ccttctttcc atatctggtc    240
cngagtatgc atggtttttc cgtgttgctg tactagtac agagtctagg ccctttgttg    300
gatggtcatg gatgcacagt gccttgtaga catgtatgca cacaaatcga gtgaagtatt    360
ttggtaagca tgatggccta tggcaggann nngtgtgtgt gtgtgtgtgt gtgtgtgtgt    420
gtgtgtgtac aaagtcttta cacttagcat ttggaaatat taaagaaata ttgtcatagg    480
ggagggagga agaagcaact ttggggttca 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

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gaggaaccct acctgagtct tgtcacctcn tccctgtctc agccctgcct ccccaaattcc    60
tgtcatcaaa gagagcctca ttggcaggag ttccaggaag gtgacattcc caattcacac    120
cctccacaaa gggggagtcc tgggctgtgg gacacatggc tgtgagccca cagtgtcagc    180
cattgtctcc aagctagtca tcttctgagg gaagtgcact ccctggggtt gcccttttct    240
ctgacccttt cccttcaccc ctccaggagg gccaccttga tgtcatccca ctggcctcca    300
actgaccag aatgtccaca ttaacttttc cccaatcttt cccaatgccc ataaaaa        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
 tcctgggttgt ggtccagatn caaacaggag ncttgggaca aaacagtact gctgttacta 120
 cccctgccaa caaagccgcc acgactgccg ccgccaccac caaggctgcc gccaccactg 180
 ccacaaaaac caccaccgct gtcagaaaaa cccctgggaa accccccaag gctggggcct 240
 catccatcac cgatgtgggg gcctgcactt ttcttttctt tgccaacacc ttaatgtgcc 300
 tctttctacct cagctgaggg gaaggcattt ctaaagcct atgctcctca caccgctgcc 360
 actaccagta gcaagagaca cccaaccca 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 gctccaccgc 240
 cgagtttctca ctacagccc cgntgggtggc cgagtcggcc ggagggtggtg catcttaaga 300
 aaggacaggc gcagagcaac gacgacctgc aaattttaca ggtccctgct ggaggaccct 360
 ccgccttcac ctggatcggc cttggcctct atccttgccc aacttcccag acccaagctc 420

tgcaagcctg aatccacatg ggggtcaaact 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 cctaggggaac 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 ctgttttaggt gacacacttg	60
tgccctcaaac cacaggggagc aagtgggtatg aacctgtgat ctgctcagct ctgccttgag	120
cgtcagatga aacaaatcca agacaagaga actgccctta gcagtgaac tggacatcag	180
agctccttgt aaggaactgg gaaattgctg gcagtcaagg gaaggggtag agtaaactctg	240
gaaaacagtc ccctctgtc	259

<210> 9261
 <211> 479
 <212> DNA
 <213> Rattus norvegicus

<400> 9261	
tttagctcaa gctgtctgcc tgaactgctg caagtcctgt gaatggtcag gcacgttacc	60
tgagagtctca cagagaaggc cccagaatcc aggctcactc acggagtgtg ctgaagaacc	120
aagaactccc accatgacac ccctgtggct tttgtaccct tcttggactg gaccttggat	180

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ggcagccttg cagccaccat ctttgtaagt tgcttggtag ggcagcatga ctggcctttt 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

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<210> 9262
<211> 550
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (464)..(470)
<223> n is a, c, g, or t

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<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 cataaagggtg 240
acttatgggg gtccagctgc nttctcttgc tggctttgac ttctgtaaag tcacatgcac 300
agcattctgt tattgtgcaa acatttttct cacatttgta agcaatttca gcaacttctc 360
tctaactgag ctcaccttcc tgattccatc ctctccagca gtccccctccc ccagaagccc 420

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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
 aactcgggtga tgtacttcag tcctctgggtg ccggtgtttc agaaagtgaa ctctattatc 60
 accaagccgg tgacgcgagc tcccacacca gtgcctcctc ctacagggac accccggccc 120
 ctacgaccag aagcttgccg acccggggcg agtggctcag tggaggggaat gggattgggc 180
 ttgcctgctg atattttacat ctgggcaccc ttggccggaa tctgcgcggt tcttctgctg 240
 tccctgggtca tcaactctcat ctgctgccac aggaaccgaa ggcgtgtttg caaatgtccc 300
 aggccccttg tcaagcccag accttcagag aaattcgtgt aaaatggcgc cactaggaag 360
 ccacaactac tacatgactt cagagatttc tcacaagaga ccgggccctc ctttttcaga 420
 gtttcctgct ggcttatata ttgtcctctg tattgtttta ggggtaggat ggggacagtt 480
 cttttttctt tatgaattct ctttgatata 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

tgtggctgca agtctgtaac cctgggcatt ctcatatcaa atgtaacatc ctccagtttg	60
acagggttgt cattagcatg ctcaagtggc cttttctcta cttcaagatc tagagtcatc	120
tctccaggaa aaagaaatag tcgagatgtg gctttgagag agagagtttc ctatgatcca	180
gtaatacttc tttcccagga acacaggatg ttccaaaagg atgtgaaata gtccattcaa	240
ttcaaagggc tcaggaagtc cctgaaaacc accanacaca ataggccctc tccttcctaa	300
gtatattanc tgtaaggact gctgananac actctcagac gagttgagct gcctgaaaca	360
ttatccaacc tgttgagctg tctgcaagtt gtacagaggg ttccaagttt acagcttttg	420
tgatgttggt 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

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ataacttcat aagtatccta gaatctttct cctgacagaa aatataatta tctacttttc	120
aaggatatatt 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
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 cagaccatgc agaaagctag aatccaattc atgggtggtg cctgggggctc tcccacagat 120
 atagggcctc ccgaagctgg cctccaccga gatgaaacgt tgatgtccag ttatggagac 180
 aacnttntgg cccctaccaa ctttcatggc cagaaagctg tgacaccaga atgtttcact 240
 tcagacagct ggaaggatta cagaattcca agccctcntt ccaaagggtgc aaccaacctt 300
 cagagtcact atgatccagg gtcagcccac aagtcttcat ggctcctgca gagtaaaagt 360
 ccaagattcc atccctggga gctacagatt cagagacttc caagctgact ggcgnacaga 420
 gtagcaagac ttccttgtga tcagatgaga ttacagcatc ttaggaaccc tcggacaccc 480
 ccaaaccat agcatttaat caacgggata tgaaccaact cctgtaactt cctaattgta 539

<210> 9267
 <211> 343
 <212> DNA
 <213> Rattus norvegicus

<400> 9267
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 ctcaaggggtg gcaagaagca gctgcagaag ctggaggccc ggggccggga gctggagaat 120
 gagctggagg ctgagcagaa gcgcaatgcy 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

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ctcttgagca gctgctgttg aagagcaatt cagaggaccc atctgttccg aaggcatctc 120

tttgagcag aaggcatagt cctggttcat cccagggntg atggagagcc agtcgaggtt 180

atacaggact attgagaaga aagcatttcc agtccacagc acctcttcct aaggggaagg 240

tgtgtgctnt tgctgacctg gaaccagag tgactgtcac tcctgtgcca gaagcagctc 300

cttcagatga gctacttgga aacactggag agcaagaagg gccacacacc acaccagcct 360

tttccactct gcagaagtgg ctggtcacaa ggntagtgag tgcttcgtat atgggtgtttg 420

tt 422

<210> 9269

<211> 414

<212> DNA

<213> Rattus norvegicus

<400> 9269

aactgacagg tctggcatat 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 ttcaaactctg tgtagatagc tgggttgacc 300

cttatgtatt tgtagaccaa actgtgtggg cttgtgtttg aggggtctcct gttggggtttc 360
 ttaaaaacaa gctggctgat ttatctcctg ttgcctttgt tgttacttct gtga 414

<210> 9270
 <211> 484
 <212> DNA
 <213> Rattus norvegicus

<400> 9270
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 ggaggtgctc tcgggcgcgg cccctgggac cctccgata 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
 tcttcattcta tcacgatcga tgtaagtgt 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>
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 <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 tgatcccaa 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 ctgttggttag ctttgtagag agaatcgtac actcagacct ggtgcttcag 60
 aactatcatg tccctgctgg gacattcgtc ataatttatac tgtactccat gggccgaaac 120
 cctgcagtgt tcccaaggcc tgagcgctac atgcctcagc gctggctgga gagggaaaagg 180
 agtttccagc atctggcctt cggctttggg gtgcgccagt gcctggggcg gcgcctggca 240
 gaggtggaga tgctgctcct gcttcacat atgctgaaaa ctttccaagt ggagacactg 300
 agacaagagg atatgcagat ggtttttcgc tttcttttga tgcccagctc tagtcctttc 360
 cttactttcc ggctgtgag c 381

<210> 9273
 <211> 419
 <212> DNA
 <213> Rattus norvegicus

<400> 9273
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 tgaggccagc atcgttgcta atccccagaa ggccatgtca gacctgccct tgctgcgggc 120
 tgcccttaaa gagaccttga ggctctaccc tgttggttagc 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 cgctggcag 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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tcctgacttc	tgccagtgca	tgctgcttgg	gcaaaggtaa	ttctcttgac	ttgtgaaagt	180
ggcccagatc	ataagatttt	ttcaggtctc	ctttcagctg	caagtcggta	gggcgaaaag	240
ttttggccaa	gaacaaccac	ttcacagggt	ctctgtgtgt	cagcactaaa	gcacaaatct	300
actggagatg	tgtgtgccaa	gttccaaggt	cttagacctt	tgagtgtgag	gcagtataga	360
gtcggggcct	ttaatgatat	aattcgtgtg	aatgagatt	actggggtt		408

<210> 9275

<211> 334

<212> DNA

<213> Rattus norvegicus

<400> 9275

ctgcccagcc	tgagtcacaa	gaagaaaccg	aggtcacagc	agaagcagca	tcacccaag	60
gctgatctgc	aaaattctat	agttgctttt	ttatttttag	taaccttagc	cctcctttct	120
agaatatttt	aataacctt	aaagaatttg	gctttactaa	tagatatattg	attgagattt	180
gatattctac	atgtcttaat	agttttctac	cctttaaaat	cagtctgtgt	taagacctta	240
atcagtgtta	agtttgatt	taagttttac	attctagaaa	ttgagttatc	tatgcaacct	300
atgtcacttt	gattttgctc	tgcttttctc	ttac			334

<210> 9276

<211> 445

<212> DNA

<213> Rattus norvegicus

<400> 9276

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cccatccgga	ccaaccggcc	ctctccctac	ttggccatcg	acacgtggcc	gggccgctcg	120
agcggaggca	tgattgtcat	tacatccatt	ctgggctcct	tgcccttctt	cctgcttctg	180
ggtttcgctg	gagccatcat	cctcagcttt	gtggacatgg	gcagttctga	tggagaaaca	240

acacacgact cgcagatcac ccaggaggct gtccccaaga ccctgggggc ctctgaacct 300
tcctactcat ctgtgaaccg ggccccaccc ctagacagag cggagggtgtt ctccagcaag 360
ctccaagact gaaatgatcc ttggcccca gcatcagcc ctgacctgtg gttggcagca 420
atgcatttat gctctgactg ggcca 445

<210> 9277
<211> 392
<212> DNA
<213> Rattus norvegicus

<220>
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<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>
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<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

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 nnnnnnnntg ncnnnnttg atactgttac gctccaggac gacccttggt ttccatttaa 120
 cggagtgttc agacgtcctc tcatgtcctg tgggggtgatg tgcatttagc aacccccgtc 180
 tctgttcacg gagagcttgt aaaccttggc agcattcccc atgcccattt tacatcagct 240
 cagtctttgc cctcaagggt tcaacctgaa acagttctca aaccttggt tcaagtattt 300
 atggggactt gtgtttgctg tcacaatagt ttgcttgac taacgatccc gaaggaagtc 360
 ctgacaagtc accatttggt 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
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 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
 cccgcgtga cagtgtcttc acgcctactt tccttgatg tctccagctc tctccgctcc 360

gcgggtcccg aagcacctta cactttgtac cagcgcctct gaacctgagg tccacccgcc 420

aaacaacctc ggcggcggcc agacttgcca 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
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 gtcctgtcaa gaattcgtat agtacgagcc tggatctacg tgtcaaactg ttccatttgt 120
 ttatgtaaag tgatattaaa aagatataaa ctatagctgt ccattgcttt tggcaaaata 180
 tacaaccaca caatgtatat aattcctagt ttccatattt atccgcatgt aaagggctctg 240
 gtttatccat gttacagcta ttcaatatatt atggctngaa aaaaaaaann tcgtatgtac 300
 acttttagttt ccagaactgt ttggtaacct ttcg 334

<210> 9280
 <211> 315
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <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
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 gattagacat ttcttttttaa 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
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 ctttggaatc accacggttt taaccatgac caccttaagc atcagtgtc ggcactctct 120
 acccaaagtg tcctatgcaa ccgccatgga ttggttcata gctgtatgct ttgcgtttgt 180
 cttttctgct ctcatagaat tcgcagctgt caactacttc accaatctcc agtcccagaa 240
 agccgaaagg caggcacaga ctgcagccaa gcccccggtg gcaaagtcaa aaacaactga 300
 atcactggaa gctgagattg ttgtgcactc tgactccaag taccatctga agaagagaat 360
 cagctctctg actttgccaa tcgttccatc ttctgaggcc agcaaagtcc tcagtagaac 420
 gcccatctta ccataacgc cggtcactcc cccattgtc ttaccagcca ttggcggcac 480
 cagcaaaata gatcaatatt ctgaattct 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

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 aacttaccta ccagaccgag gaggaccgca agaacgtgct gaggctgcag gacctngtgg 120
 ataaattaca ggcgaagggtg 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
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 ctgaggttgt aggagcaaaa cttcaggagg cctctaagtg ccctcaagac acgtagtaga 120
 cacaagttgc atgaggcttc tgcgtgacag gctttcaga 159

<210> 9284
 <211> 296
 <212> DNA
 <213> Rattus norvegicus

<400> 9284
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ttgaattcta tcattttggt ttagcatgta atgtaattgg tgaaattaca taattataaa	120
attagtacaa gcaacaaggt ataataattat cttttaaaga atgtctgtaa taagactaat	180
tttttcactc aaaatataat gaatacatgt attttttaag tgcagctgag aacttttgga	240
atggaacaat tctttaaatt ttgtgctact tgatctgtgt atgtttgtat tgtttt	296

<210> 9285
 <211> 288
 <212> DNA
 <213> Rattus norvegicus

<400> 9285	
attacaatta cctatctgag aagacttggt ttattatattt taagtagctt tactgaatta	60
tattttaaatt ttaagaaact ttgctaagca gtatttagaa tctactcagg gcagttaaaa	120
tagtaaaactg ctggacagaa aacaagtaca atgtagcagc ttgactttat gttagtgtat	180
gaaacattat tgtcctataa aagtaatttt aatctattta atatttctta ttacattac	240
atgacaaaag ccatcaaag aatgaataac tctacatttg cctaacta	288

<210> 9286
 <211> 564
 <212> DNA
 <213> Rattus norvegicus

<400> 9286	
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cagctggcctt ttgtgacaag tacttcaccc gctgcaccac cttaccggcc cttttattta	120
ttatgtatgt ggtcatgttc acacacatgt atttaaccta tagaatgctt actgtgcgtc	180
gggcgctgct ccaactgctg tataaatatt aaggatttca gttactccta ctggaaggta	240
ttatgtaacc atttctctct tacatcggag gacaccaccg agctatccac tcatcaaaca	300
tttattgtga gcatccctag ggagccaggc tctctactgg gcattagggg cagaggaatt	360
tattggatgt tggttcttcc ttcaagaatc gctcagggat tctcagtgtc ctcaaaacat	420
gctgaaaccg gaccccagac tccactctgg agaatccaac ccactcacag gggaaacagc	480
ccgttttaaag 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

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 attctctttt tattaaatat tttaggtgtt taaaaggcca caatgtggaa aatcaaaatt 120
 gttataaggt acctaagcaa tagcatagtt tttcataaat tatttgacta tttgcaaata 180
 aaacaagtgt ttcaaccctg tttacctacc cacttatattt aatgacccat agattctttt 240
 ctagtgactt gtgtgacagg agctaaggca gacatagtaa gtagatctgt taagacacag 300
 acagcaagaa taaagactgt gcgaactgga cagtcaccct tttgagacca ccttttcatg 360
 ctcttccatg ttcattagcc ccttccctgc tttccttagt gactgacact tgggtgcttac 420
 tgatgtgtga anaactattt tgtcaagaga tgggtgtttat 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 tcaactctagg atctgcactg 60
 aatggctgac ctgacctgat attcaactat cctaacctca cagtccggac cattctcccc 120
 ttntaagag acctgaactg ggcagactgc aaaataaaat ctggaagttc tattttattta 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

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<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 9289
gtttcaaaag tcatatttgc tcaagacaat caattcctct ctttttttcc actaaggtat      60
ttttctttta cataccttgg agtagcaata aaatttttaa atcaccaact gaattttgta    120
tctattttta gtaatatatg taagacttga aaataaatgt tttattataa tttcttatat    180
gaagtgttaa attaattgat accagatacc actggaacat ttatcaactg ataatttatc    240
tcaaagaaca taatctgtaa tcttgacatt taaaagtga catttgtaat tcggaanttc    300
tttatttctg aaaccaagtt tgtaaattgc ctttggagga aggagata                  348

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<210> 9290
<211> 513
<212> DNA
<213> Rattus norvegicus

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<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
gggtataattt ctngcatctt tgtcaaatga ttttaatggg cttatacgac atcagaatag    360
acactctgtg tgccttctat tccactggaa gtataaatta acattaagct tttcaaagtc    420
agactgaaaa cgaaaagaca ttatttatat atgctctgta ctgtattttt accgttactg    480
tttaaaactg ggaagctgta cctcacttac taa                                  513

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<210> 9291
<211> 357
<212> DNA
<213> Rattus norvegicus

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<400> 9291

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aggtgcaaag cccagcgact ctgagtctga caaagccttc atgtccaagc aggagggcag      60
taaggtggtg aatagactcc ggcgctacct caacaatgga cttggagccc cagcccccta      120
cccagatccc ctggagcctc acagggaggt gtgtgagctc aacccaatt gtgacgagct      180
agcggaccac attggcttcc aggacgccta caagcgcata tatggcacca ccgtttaggg      240
catgtgttgc cctggagccc aacggcagct tcagctttgg ctactctcca ggactcgacc      300
ctccctgttc cctctctctg cctcgaaagt atggacggca cagctgctcc aaaataa      357

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<210> 9292
<211> 544
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (113)..(114)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (240)..(241)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (461)..(461)

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<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 acataccttg tacaagaagn ctcctaacga	60
gagatttatt aacaacactg tatacgatgt gtgtagttcc tttatcanac ccnttaccta	120
atactgtatt aggtttgatt ttcacctca tgtattttac gtgacttggt cacatgngtt	180
tttatcataa ataaatatgc aatcattcac gtgtgtttata attaaaaaga aaggagagn	240
nttggaatga gtgtgggtct caaggagcag ggaacaattt ggctanaaag caaacgtta	300
tctccatcag ggtttaaaac tcagaggatc cggaacact ctttattcag tacatctgaa	360
cggctaaggt tcgactacgg agggcagaat catctgtata caggaggag taaatgaccc	420
cttttagagt tgccagattt accaaacatg aatacacggt ntganacgcc cacctcagct	480
tgaattccag atgaacaatg gctgggtttt aatacaacc cttccctaca 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 ctttatattc	180
tgaaacggca gctctatgag aataaaccca gaaggcccta catactcaag agggcctcct	240
actactactg agaagttaat tcttgacatg tgattctcat cttttacctg 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 tcacctgggtc ccagtcttac tctggggggca acatcatgag 180
 caacaagttc accattggca aagaatgtga aatgcagacc atgggggggca agaagttcaa 240
 ggcaaccgtg aagatggagg gtggcaaggt ggtggcagac ttccccaact atcaccagac 300
 ttcggaggtc gtgggtgaca agttggtgga gatctccacc atcgggggatg tgacctacga 360
 gcgtgtaagc aagaggggtg cttgagccac caggctgggc tctgaggggac 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 ggaaatgggtg tatagaaaag tacacaggaa gttcctgggtt 120

ttgacaatga caaagaaagt gcctggagag atggctcntg cttttaaggg taccagntgc 180

cctcccagag gactgaagtt caatccacag ganccncat anacngntca taactttcta 240

actttaggca cagaggagcc aatatcctct tctggattct gaaggcattg cacacatgtg 300

gtgtacagat agacatgtag gcacccatgc acatttacia 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 gtcttctctc gcagccctgg gtacctcacc tctgccccgn 60
 agncnnncct nnnnnncnnn ntntnnntnn nntntnnnnn nntgtgctgc ggtacagaag 120
 ccagcagcgg caactcaacc ctgagtacac accaccaga ccccgggacc ctcgagcagt 180
 gtgctaattgt cgacttctgc ccactagcct ccctgtgttg ccgagcttct gtggacgagt 240
 atggctggat cgctgcggcg gttggctgga gtttctggtt cctcacctc 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
 tgtgtgact gtggctttcc ccagtttgga catagattca atcaatgaag aactacagga 120
 ttcaatcttt gatatactaa actcaacctc tgacttccaa ctggcatcat atgaaccatc 180
 aacatctcct ccagaggata gcacatacca ggaatcaaac actgacttca tgcaaaccac 240
 atattccaaa agcatacaga tttctgagct ctctaattga 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 gattttctcag 60
 tatcctctac tcattcgcag ccatacctgg atacatgggt tttctgaggt gtatcaagtc 120
 tgaagagaag tcacttgga ttggaatata tgcattttgc ataagagtat ttgctggcat 180
 tccagcacct atttactttg gagctttgat agacagaacc tgtttactact ggggaactca 240
 gaaatgtggg ggcgcagggg cgtgcaggat gtatgatata aatagcttca ggcgcattta 300
 ccttgggatg tctgcagctc taagaggatc aagctatctc cctgcatttg ttattgtaat 360
 acttacaagg aagttctctc ttcttgggaa 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
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 tcttcctata gcaatatgaa attattcatg tagaggcatg tatgtgattt aggtccttgc 120
 ttggttattg acacagaaca atgacacgtt tcatgctaaa agaagaaaga aagaggggaat 180
 aagaggtttg aagtcagaaa aggctaaaac agcaagggaag 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 tacaggatcat 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
 agtcaccctt gaaccccgagg gctatggttc tacaagacac atagctctct aaggctgcat 240
 acgggtgcatg catgtgaatg aaactgtgga agccaaaggg gcccaattgg atcctcacta 300
 tgactgtgta agctcatatc gtgttgatgg aaacaaagtc attcaaggac aaaacttagg 360
 agcttttagaa 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
 ctataaaaaat aattgctgat atcactttca gaacttcagg gtgatattta agatttcccc 300
 gggaaagact tttatggtga cccccacact acactttaaa gcttccttca ttttcacata 360
 acattttctc ttaactcaat caagggaagt atgtgtttcc cacacagctt caaatgagtt 420
 taaaactttc ctattccaga aacactatth 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 ggattttttac agagcccaca	60
gtagaaaggc acagcatgtt tgtgagtgtg tgtgcatgca tgtagatgca tgtcacttga	120
ggtacatgat tttgtgccac ctttgggtac ctgtccctac tcagggccac agcggggtgg	180
gcnttttttt gcaattaaga agcagtgtgc acaaattaca tgctaggtcc tgagcctttg	240
tggccatcag gacaggagta tgcgagtgca tgggtgtgggt 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 ggggaaggcag gccggcgaga	180
gacggagagc tctggagagc ccgctctggt gcctggggag aagtgcatag actcccttct	240
gggggactgt gcttagtgca tctcatttta ttaggttgta aaagtgtcg tctccgcgta	300
tttcttttcc tcacgaacag agtttgcag atcctgagcg tgatcccag tgctgtggt	360
gatacagagc cggggactgt cattcccgt ttggccttct tctcctgtac ctgcaataaa	420
t	421

<210> 9304

<211> 546

<212> DNA

<213> Rattus norvegicus

<400> 9304

agagaatggc gagtcctctc aggcccgggt ctctattcag atgttccggt ttgcaggaaa	60
ctccgacctt gtctaccttc actgcgagggt gtacctgtgt gacactatga gtgagcagtg	120
taaacctacc tgttctggta ctagatatcg aagtgggaac ttcatagata agaccctgtg	180
cctgaacttg ggtcccatca cagcacaagg 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
cttgacttta cccttttcct 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 gagaccttg 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
ccccaaaggc catgtcagta gaccactag 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
 tgttggttga 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 acatgggtccg 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
gtggggcattt 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
ataggggaatc 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 gaacccttca aagcctttgc tcggggagcc 120
tctagccgag aaggtgcttg catacctgtc atccatttca ttagaagaat ggcctggaaa 180

ctcagcgaac acaacatttt gtagtgcaga aaaagctgag agcgттаagg 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 gctgcagtc 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 cgcggaagtgc acccagtgtt 120
 cagcgagttt ctcataca cctacggcat cctgaagcag cgtccagact tgcggggccaa 180
 cccactgcac agcagtccgg ccgccctgcg caagcttgtc attgacattg tgccgccccaa 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 ggagtgggtga 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
 gtggctatca acatgtgaga ggcgaggagt cctggaaagg gcagcntaac agaagccggn 60
 atgaaggtta tcagtaccat cgacatgtta gaggacgcn ttacagggga natangagga 120
 ggtcagggat gggagatggc cacangggac aacacactta atggctgggt gtcgctcgta 180
 ctgtagagct ctagcctttt cttaggtgga atatttctga aggctttaaa atcattataa 240
 taaaaaccca aattggaact atctcctccc ctcccctttt 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 tgggtggctca gctgctggag tgggagaaag ccctccacgg ggaatatctc 60
 acggacatct ctgagcctat ctactaacct tcgcccgtga ccagccatg gtctctgagg 120
 agtctgggtt gggacttttg ggggctggga gtctgggttt ggagtagtcc tggagaagac 180
 ctttgctgtc tggaggttca tatctgcac ttaagactgt tctgttggtt ttgttggtgt 240
 tgttgtttcc cccaatactg aggattgaac ctagagcagt gagtgccttct caaccttcct 300
 aatgctgtgg ctctttaata cagttcctca tgccatgggtg accttaacca taaagttata 360
 ccattgctac tccataactg t 381

<210> 9317
 <211> 450
 <212> DNA
 <213> Rattus norvegicus

<400> 9317
 agcttggctt ttcattcttg atcacagctt cagtcttggc actaggagga cactttctgc 60
 ccctgccctc agaggccctc ctgggattgt ctactagtc ttagtcatt cagacttaag 120
 ctctagaaat aattcactat tttctcaaac acaaactcca gatatcgatt taaaaatgga 180

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gagcacattt gtcatagttc atgatacacag attgtcccaa ccttagccat gggcagcagt 240
gtgtgccttc ctgacagtcc catagtcgct ctggcaattg tcccacgggt tcagtgtgt 300
gcggcactgt gacaacttaa tacaacatcc ccagcactga tattgatgtg ggtgggtttg 360
ttccatttcc ttttactggc aatgtgtgtc agctcttctg ttaaatagga cttctcacgt 420
aaacagttgc ttgaatgttg atgtgcctca 450

```

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<210> 9318
<211> 453
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

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<400> 9318
ttgggattcg aaacctttgc aggcattgct 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
ctcttgctgc atntaatgga tcaaaatgaa ggatggatga tttttgagtc aggaggggtga 300
aagcacctga atgccctgta agtgctacct gccttttacc tctgcaaaag cactgcttta 360
ttggaaatga tcatttccta aaacaaagcc ggaacagtag gagctttggg ttttgtacaa 420
agctaccctg aaagtcagtc tagctcatct cct 453

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<210> 9319
<211> 482
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<400> 9319
aaggcagaac gtctacctgg agctagagggc ctggaaccac agtccccagg gctgggagga 60
cctctgggtc tcctgtcttc gtgtttctac ctcctcaaca ttgcctctgc ctggtctctg 120
ccgccttcct gccttcctac tctgtttctg agtaggcac agttaccaag ttggacggtg 180
tccttgacag accgtagctt gcctcaagtg gctaaaggga gagctgacca agaacggaga 240
tgaaatttgc cccttacctc tcccgttctc ttcacctctt acaccctttc ctatcccgga 300
cattgataac ttctgccact ttcctaaatg ggatcctcac aggttccacc tccctcncc 360
agccccntga ttcccttcca caacacctgc ctgggcgtct ctcttccaa ggccccttcc 420
ttgacatttt ctgggaactc tgctcctgg gcttcccatc tggactggct gcctgattgg 480
ct 482

<210> 9320
<211> 481
<212> DNA
<213> Rattus norvegicus

<400> 9320
agtgaggaca ctttctaccg gacagcaaac tgcagcact 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 atcttgccgc cggccgcggg tgtgggtggg cctccgttgg 60
 gagccagcgt ggacagtgtg tggggaccgg ttcccagtc ctctccgcac agcagccncc 120
 gaggtggttt aactggcggt tggtggcggt cgggtttctc gcagttagat gtcattctcag 180
 ctagtgtgac atcaccccaa accagtgtga tccccccca acaccccaat cacatcccag 240
 cgattgggca gcgcaggag acattgactg gagatgacc 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


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tggagggcgc cctacagaaa tggacttcga agtagtntga atcacccttc cagatgnnta      60
ctgtacccccg aactcattga acaggagant gggtttcctg agctgggatn ttntgcctcn      120
ccgtggactc ggaatcagag aagcc                                              145

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<210> 9323
<211> 188
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

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<400> 9323
tgggacttcc gattttccaaa tccttcccag gcttttagcag aagtgncntg tgttgtntgg      60
acctcccacg gcctccagtg ttgattggac ttgagattga tccgtaggga aaggactctn      120
tgctccgcct ttgaaggagt ccacactcct cttgcaccaa gcaagaagaa aaacttcaga      180
gcagccct                                              188

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<210> 9324
<211> 172
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (32)..(32)

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<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 cagtgcacatg cccactctct gtgctggttg 120

ccttaatcag ggaaggatgg actctgctct taccctgctc aggacaaggt taggaatggg 180

gaaggcgtgg ttccgctgac gaagcacttt ggacagttgg tggctgctgg ggagagtcag 240

ttttcttcaa gagtgcagcc ccctctcccc ccagtaggct gactcaaate cagtggttgg 300

cccaacccaa tatccatgag ta 322

<210> 9326

<211> 319

<212> DNA

<213> Rattus norvegicus

<400> 9326

agaccacata cttctctctg gagagtgtgt gtgaaggttt tcacccgtgc aaggagact 60

gggtagaggc tgaatattgg atcaggccag ggacatggag cagtgaggcc atctctgtga 120

agcctctgag gtacaagcgt gtggacaagg tttgcatttc cagcctgtgt gggaggaatg 180

gggtgataga ggacagcatc ttcttcagcc tggactcctt gaagctgcca gaagggatga 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 cacagctggt gaaccctca gtgctaaggg 60
 gccgccacgg actcgtcagc gcagctttgg cctctcccgt gggctcgacg tgcgtgggct 120
 caacgcgccg cagctgtgct ctgatcccc acgtcaggca tgtacgccgg gctatttctca 180
 aaccagtgc 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 gcaggaccgg gaaggctcat gccagcctgc 120
 tgcaggagcg acaacagcag cgtttggttc 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
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 agaccataat ctgctgattt tagccgagcg agagagccct agagagnccg gttggctctgc 120

cacaagactg agagtggagc tgatgcttcc tcaaggagga aaaagtctgc ntgagcccca 180
acatttcagc cagtgcgtgtt tgtcctgatg ctgctctctg ggattttgga cctgcctggc 240
ttgccccaca gccacataaa acattccgtn tggtaaattct 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 gctaagggtg ctaagggtca gctcccacag 120
gtgaccacca attcctgcaa aacttgaaa cgacagccca cggcttcaga 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 ggcagggctg 60
tgggacatac tgtgcaccct gcccggggtc acacaggatc acgcaactga ggactacctc 120
ctcggcgggc gtgagttcaa tcgactgagg acaacctcga cactcccatg acatcctgtg 180
acccacgtg acctgcacc ccaactgtgc cagaaccgtc gtctgtaatt tttgaat 237

<210> 9333
<211> 279
<212> DNA
<213> Rattus norvegicus

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<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 gaccagtag acctgacact atagatactg atcatgtgaa      240
aggctttacc acaaagtcaa ttccttatcc atgttttta      279

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<210> 9334
<211> 292
<212> DNA
<213> Rattus norvegicus

```

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<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

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<400> 9334
gccagcgac atattaatit ctgcaaaaat cagacctctc ggcgcgtntt cgactcaaac      60
caaatggcag ccagactggc agccagagct cagggttaagg ccccggcgag tccccaaaaa      120
taaccaactg ttacgagtgc tgtgggtgcc cttcggcaga gcaggactgt ggagaccaa      180
aaataaaaac cgacagcctg gctagttcca gtaagtcaga gcacgcacca tgtgcttggtg      240
ttgtcaagtc atgggagcag agcctctgtc ctgctgctgt gatgaccagc tg      292

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<210> 9335
<211> 272
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

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<400> 9335

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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 ccagtgcctt 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
 gacgtcacc 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 gaccttttcg agtccccacg ttccagctcg gacggtgccg acagccccgc 60
 agtgtctgcg gtgcgggact gcagctccct actcagctct gccagccct tgacagcgct 120
 agatctccag accttccgag aatatggcca gagctgctac gacttccgaa aggcgagga 180

```

gaaccttttc caccacggg agtcgctggc ggcgccagcca caagtgactg ctgaatcccg      240
ctgtaagctg ctcagttggc tcctccaagt ccaccgccag ttcgggctct ctttcgagtc      300
gctgtgcctg accgtgaata ctctggaccg tttcctcctc acgaccctg tagctgcaga      360
ctgcttccag ctgctcgggg tcacctgtct gctcatcgct tgcaagcagg tagaagtgca      420
cccacctcgc atgaaacagc tcctggccct gtgcggcggg gctttctccc ggcagcagct      480
gtgtaacctc gagtg                                           495

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<210> 9338
<211> 485
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

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```

<400> 9338
aacctccaga cccagcaaaa tgtggtctca ggaactgcag gagacatgga ataggacaga      60
tcccaggaag agagccccct gaagagtgag tttctctgtc aggagttccc tgctgacgac      120
aatcctcaac agtcaaagac ttttttgggg agaataattct 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 atttttgggt atgattttca ttgaagttn ctttttgta tatcatagtt 420
 atatattctt gttncgtgtt 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
 gggacgtgca tcgaatacat tacctagaac acaaactgaa tcggatgctg tagcccacca 60
 ccgtgaactg aagcttcatg aagagagact catgtgaccc tcgtgtggaa gcgaatggaa 120
 caaagaccaa cttttccatt tggaccctg gtttctctcg aatgcagttg tcccatcctc 180
 agcctttgaa tgaaatgact gtgctggtgg tcccacgccc aggggaaaca tccngtcccc 240
 tagaggaccc tcagtctgtt ggaaagtgtg atgagtaaga ctcagtgagc agcagaggct 300
 gagaaagtgt ggggccaaagg agcaggtcag agtttcccca cttctgcttt taactctcct 360
 ccaactcaaaa tagaaactat ttccacctta ctccctgtcc ccaacctcag cttcaagggtg 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
ggcagacatc aagggaacac cgcttacaag ctttctttct gtggctcctc agtcagcttt 60
atactacctg cttagggatg 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
gggataacctg accaaggccc cactatntgc ntcctcagga aaaagccttc taaagtgttg 360
tatctaagtg ttgcctttt 379

<210> 9342
<211> 268
<212> DNA
<213> Rattus norvegicus

<400> 9342

```

aacattttga tcagtcacaga ggaatctagg gtcacccagg acacagataa aaacacccaa      60
ggccaagcag aggacatcta tgaggaagca gaggacatcc atgaggaagc agaggacatc      120
caggaggaag caggggttac ccaggaggaa gtccaacctc ttgcacaacc aaagagtgtt      180
tctggcccg cgtactcctt tgatgtttcc atacctttgc cagcatccag cgtattccca      240
gaagattcat acaggaatgc cccaccag                                           268

```

```

<210> 9343
<211> 295
<212> DNA
<213> Rattus norvegicus

```

```

<400> 9343
agttccgctc tccaccaaag aaagcccaaa gtatttcccc cagcaaagac ttactttca      60
atactttaac ccagctcgag atggaactgg tgaaatttgt gtccaagggtg cggaacctta      120
aagtctccat ggcaactagc agtaactcca ggctgcagat cccagatata cccatggacc      180
cgtacaataa tgtcacgata tatgagatat ggggggagga ggagtctgag tgaagggggt      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
aaaagaagta tgaagccctg gccaaagcgcg acaaagatcg gtaccaacgt gaaatgagaa      60

```

```

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

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```

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

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<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
gagaataccg tcttgctgca aagccccgc ctccagcagt gttcctacag agatgtgagg      60
gtgttagcat ttagaagtgg cgtctccga 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
atgcagggcc agcctcccta tgccaacacc acttaccaac ataacttntg ccagcnannn      360
nnnnnnnnnn anngtggtag cgtcaagtta aggcccatg agccagtcgn tgaaacantg      420
cccggcctcc cggaatccc 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
gcgagggtcca cacgtccagg ataaaagcaa aggcattgcca cgtgtacacg tgcaagccag      60
ccctccagag ccctcagcct ctgtattctg agagcagggt ccactgggag ccagtcccac      120
agcgctgcca ggggtgacctg gaagatgtcc ttttgtgtnt gtggagcctc ttccttgaca      180
caggcaatta aaaccgccag atcccagaag ccccttttc 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 gtccttcag gtcctcaga ggccagaaca gttcaaggat      480
gcctgagaca gcgccagctc gtcacaccg gaacccagc atgtagagag a      531

```

```

<210> 9347
<211> 319
<212> DNA
<213> Rattus norvegicus

```

```

<400> 9347

```

```

ataacccaag tcttgacagc ctttgtgggg ttccagaaga aggcactttg tctgagacag    60
acagggagac ttgtgagcag accagcactg acagtgctac caggcgtgcc agcgacaatc    120
ctgagctccc atcccagaca gaagccatag ccccttcagc tcatgaagac ccatctgccca    180
gggactctgc tctccaggac acagatgaca gcgatgatga cccgggtcttg atccccgggtg    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
agcgattggg agagcgcgac cctccccgcg gtggccgtgg gttctcttcc ctcacctgcg    60
gggcggcact ctggacgtgg aggttgcgga ggcgacagcg ggatgtgcgt tcacccgctc    120
tagctctcag tctcacggct tccctggggc 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 tggacccccga 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 gtggatgggt 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

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```

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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```

<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

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```

<400> 9350
tggaactaaa gacagccgag cagaagtacc tccngggccc cacactcagc taccgggaaa 60
aggaaatctt tgacaatgaa ctcttgagg agaggaaccg tcgccgtcgc tgatgccgta 120
gtctccacct gnccagcacc gtgtctgtgg cctgccagag gcctgtgaga atgtgctaga 180
agcaagaggg ctagtaatgt gctgactttg atctgtgcat gggttctgcg tcttcagccc 240
tgagcctggg agatcagagn ccatcttcac actagaagac tgctgcatct atgaacagct 300
gcttctggaa gtttctgtgt gtgtacgcgt gtatgtttgg ttttattttt ttaattatta 360
ttttgtttat aaatgcgttt gaatgcaaaa aaaaaaaaaa aaangcagtg tggctggcat 420
gtacgcttag gtcttgtgtt gcttgggtgtg tcagccctac agagtttctg g 471

```

```

<210> 9351
<211> 490

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<212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> (258)..(258)
 <223> n is a, c, g, or t

<400> 9351
 aggatggcgc agaaccagtg gccaaactccg tgtcggccca caacctcctc cggttacacg 60
 gcttaaccgg ccacaaggat tggatggaca agtgtgtgtg cctgttgaca gccttctcgg 120
 agcgcacatgcg ccgagtcctg gtggccttgc ctgagatggg ccgtgccctc tcagctcaac 180
 agcagactct gaagcagatc gtgatctgtg gagaccctca ggccaaggac accaaggccc 240
 tgctgcaatg tgtccacncc atctacattc ctaataaggt gctcattctg gctgatggag 300
 acccatcaag cttcctgtcc cgtcagcttc cttcctgag caaccttcga cgagtagaag 360
 accggggcac ggtctacata ttgagaacc 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 ctctgtaatg aggtcttcac catagacgac actctacaga 60
 cgctcaaact gaggcctcgg gagacgcaag atgcgttgca gctgctggtg atgaccaagt 120
 ctcggttgga gcacgagctg gccatcaaag ccaacacctt gtgtattgac aaggagaagt 180
 gcatgcgcat gcgcaaattc 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 ttctctttta tgcatctaga gcgattgctg atttgagctt ttgttggtgt 120
 tgtaagctt aagtatgtac gtggagattt gcttgaaatg agaaacctga tgtttgaca 180

cctgtcctat ggaagcttgg ttacactaag atacagagaa gcttgaatta tttttatgta 240
ctatgagatg aaagtaaaca ctgcggtaat 270

<210> 9354
<211> 214
<212> DNA
<213> Rattus norvegicus

<400> 9354
ggaccacttc gccaaagtga agcaagagaa ccccaactgg acagtgggtac aggtggccaa 60
ggctgccggg aagatgtggg 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 tcattctccc 120
tccctctgcc atttcttgca aatgtctaac tgttgacact agatgactac tcacaaagga 180
agtagtcaca aaaaagggtca 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 aacctatgctg aatttctttg tcacagaata 60
 tacgccaaga agctggaatt tcttgcacac tctctcgtgg gttctcaacc tctttggaat 120
 cttcttcac tttggctgccc atgaacatta ttccattgac gtgtttattg ctttttatat 180
 cacaacaaga ctctttttgt actaccacac tctggctaata accagagcgt atcaccagag 240
 caggagagcg agaatttggt tccctatggt ttctttcttt gaatgcaatg ttaatggcac 300
 agtacctaata gaatattggt ggccattttc taaaccagca ata 343

<210> 9358
 <211> 334
 <212> DNA
 <213> Rattus norvegicus

<400> 9358
 gtcctactag gaccgcttga aaactgagcc cgcgctgacc gagcctgggc cggatgggcg 60
 cagcggaccc tgccgcggaac cgccgagcgg ccgttgcact ggctttctct tgtcccagtg 120
 tgtggaccgc accacacgcc ctctgacca gcaacggctc ttgcgcatgc ttttcggtgt 180
 ttttatcgga gagtccggca gagccctagc tcctccagag ctggcccaga accgagtgac 240
 aagtgccag 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 acccttcac tccagggcca ccgccccaaag 120
 gccaaagggga ggcctaanaa ccttcctgga caccctaac aatccggagc aggtgggcaa 180
 atcgccctgt cccgggagcc agaagctgga atcctttctg cccagtttgg tgctgcagac 240
 cgttntaaag caaggccgcc ntaagggcta ccagctcctt ctgccgacca caaaccggca 300
 gcaggctcac aggtgaatgc ctgccagagg cccccctgct cagaagtgt 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 gagaagggaac tgggtggtgtc gggcaagtat accttcaaag acgggctaca 120
 gtatgaggat aaacactggc actactgtga cagctatgac cggaggttct acaccgagat 180
 atgctatggc ctgaagccct caggatatctc tcagctcacc aacatggacc caccagaaa 240
 aatccccctt ggctactatg actgtggaga tggcttctat aaccccatga ccagggtcat 300
 caaggattac cggaaccgct ttctgagaaa tgcagatgat gacgaacatg agtggatcat 360
 caggacctgc cgcaagggtt ggttggtaac agcatccaca cagaagtccc agntgtgaac 420
 atcccaacca ncctcggaac ctcaccagag acttccctct gccacagct 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
tttttgaga 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 aactgggggtg tctgaaatac tacttaaaac tcagatgaag 120
atgagcctca agtgcctggc tgcccagaca 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 tccttcaga tcaccaaagg accagaaatc aagccagctc agctcagagc 120

<210> 9366
 <211> 168
 <212> DNA
 <213> Rattus norvegicus

<400> 9366
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 cgcagtccac gcaggggaac cttcgaccag ttgccatcag caccacagcc 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 tatcattggg 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
 caccaggag acttgattga agtggtccgt 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 ctcccgcggg gagagtacct aattgtattg ttggtacact 240
 agctcttttag taaccatata gcac 264

<210> 9370
 <211> 261
 <212> DNA
 <213> Rattus norvegicus

<400> 9370
 gtatcgagct gattgcaagt tggatactcg accaggctca agacccgaac accggcctga 60
 ccacaaactg gggagcaaac cccagcaccg gctgctggta gcacctgaga atgaagacag 120
 gatggaggag aggctggcgg agacttccag agctaaagac catcacatct ctggagctga 180
 ggtggggaaa gcaagtacct agtggcggag agggccctgg gggatcatgg tgtgcagtct 240
 gcaccacat 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 ccccgagtc tctgtttata 180
 cccatgtgtc atagaagaaa aatttcttac catTTtggtga gaacaagtta tagccactc 240
 cagctaagga gtgctcaacc cattc 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 accccttcct 240
 cttcctgctt tgcctctgct gaatggcact aggttgccctc tccatattcc acaggagtca 300
 ggggtgggaat 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
 aagggtccca 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 cttttattaa 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

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 <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

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 cagcgtttta ggaacagaa aaaaatgtat cctaattctca tctttgcccc antcgaccan 120
 agagagacaa ggaacaagt ttccatgaag tcggcggatg aaacaccaac ttcgcaagtg 180
 ctttggaac cattgacatt ttcaaagctc ctagaagaga agcctacaag aantgtgcc 240
 ngggagagct gctttcgcta tggaagggcc cagcagtggtg tgggtcaaaaa tgcggctgtc 300
 attaagtga gacaaatcct ttaanccct 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 atataccgc ccgatgtcga tgagtttgtc tacatcacca acgacacgta 60
 cacaaagcga cagctactga ggatggagca tctgtctgtg aaagtcctgg cattcgatct 120
 gaccgttcca accaccaacc agttcctcct tcagtactta aggcggcaag ggggtgtgcat 180
 caggactgag aatttgcca agtatgttgc agaactgagc cttctggaag ctgaccatt 240

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cttgaagtat cttccttcct tggtagcagc agcagcttac tgtctggcan actatatattgt    300
gaacagacac ttctgggtac ctgcacgtgt ccctcatgga gccgcccgtg gttcttcccc    360
tgcagtgaac gggtcagctc aacagccaca ccagcaggct tactctgacc tgttacagtt    420
ttctgcgggt cgggccaaact aatgtcagtt gtagatgtca ctttca                    466

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<210> 9377
<211> 254
<212> DNA
<213> Rattus norvegicus

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<220>
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<222> (46)..(46)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<400> 9377
gaatcacagc tcaaattctg gagagtagtc atcggaagcc cattcntaca cacccaagga    60
tacaaccccg tgaccagcca gccttctacc ntagactcta aactttgtca tcatgaaatg    120
tctccagtgt ttcttccagg gcctgggtca gttacctgat actcaaaggc tatgacatca    180
tccttgccag aacctatggg cagcgattgt gaacttggac atcacccgag agccaggcac    240
atgctaactg ccaa                    254

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<210> 9378
<211> 295
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (35)..(37)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (39)..(40)
<223> n is a, c, g, or t

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<220>
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<222> (42)..(51)

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<223> n is a, c, g, or t

<220>

<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

atgctgctgt ggagaaactg aggaagtctt agganncnn gnnnnnnnnn ncanntnttt 60

tnntttgtgt tcttccccca tgtcttatta ccctagttct cctattcttg aatacagctg 120

nactataaac caaattacta tgatgttctt tactgtggag acgatgttct ggagtcaatg 180

tggaagatga caagccagaa gtaggggtggg gatgctgtgt gatccaactg tgnctgacac 240

tcttctacct gggncctttg actgagttct gtgtgtgcct atcgtgcat 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

<220>

<221> misc_feature

<222> (180)..(180)

<223> n is a, c, g, or t

<400> 9379

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ggacgcttcg attggcaaag cccagggccc cagccaccct gttggaagag tgggaccnta      60
tgccaaaacc caagccttat gtgtcagact ataaccgcct tcttcagctg gcaacaccca      120
aggccctgtc agaaaagtgc gttcctgacc gcagtcctca gtgggagggtc 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

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<210> 9380

<211> 509

<212> DNA

<213> Rattus norvegicus

<400> 9380

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aggtgaaaga gtcctccgc 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 gcaactccggc acccctgtca ccaacagcct tctcgagaaa tgcaaaaccc      300
tggttagcca gagcaatgac ttgagcatcc tcagagcaaa gtacccgcat gatgtggtga      360
accacctcag ctgtgatgag gccaggaacc actatggagg tgtggtcagc ctcatcccca      420
tagtcctgga cctaataaaa gagtggatcg ctcatccga gaagctgcct cgcaaagtgc      480
tgcagcatgg gacgacttag cttctgtac                                           509

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<210> 9381

<211> 304

<212> DNA

<213> Rattus norvegicus

<400> 9381

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ggtagcttga cttctccgag caagagaatg accatggcag gacgtttggg gcagaagatg      60
aatcaggatg aagttcacca gaatcagatc atgcgggaac tattttctca agagttccgg      120
acacagaagc tgtacacgca gtatcacgtg aatcccctgc gcaaggttca cacaatcact      180
cggaagccca tgtcttgga tgataacttg gaggagccag aagatgctaa gttcctgaac      240

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ctcgttcacc atgctgcaca gggtcacaaa aagaaatatt cagagacaca gaccgaagcc 300
caag 304

<210> 9382
<211> 290
<212> DNA
<213> Rattus norvegicus

<400> 9382
aagggtgcga tggagtttga actgacgcgc ctcaagtacc tgcaccagga gaacgagcgg 60
cagcggcagc acgaggaggt gatggagcag ctacagcagc agcagcaggc tttgcctcgc 120
cagttctcag gaggcctcca ggacctcttg ctccccaga accaattcgc catgttcctc 180
tactgcttca tcttcattca catcatctac gttgccaaagg agatgggtctt 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 ggctgggtccc 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

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<400> 9384
tatgaagatg gacggcgcgga gcctggctgg gaacgacatg attaatggcg aggatgaaat      60
ggaagcctat gacgactacg aagatgatcc caaatcagac tatagcagcg aaaacgaggc      120
cccagagcct gtcagtgcc aactgaggagc ttttgtttgc tgaattaaaa cactctgaca      180
tttcgctccc tttccccaac aacaacaaca aagttcttaa agagcccgca tgcattttgtg      240
g                                                                              241

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<210> 9385
<211> 295
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

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<220>
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<222> (52)..(52)
<223> n is a, c, g, or t

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<220>
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<222> (111)..(111)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (237)..(237)

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<223> n is a, c, g, or t

<400> 9385

taggtacatc cagtgtgcc aagatgctgg tgtgccctgc cgntgnntca gnttctgtgc 60

cacaatagag caggcacgcc acaacaacag gttccgtgag atgaccgacc nttcacatgc 120

gccggtatca gacatggtca tgtttagnta caggaagcag tttgagccgc ccacactggn 180

tgaaggnttc ctggagatcc ttcagggtccc attccgggtta 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

<220>

<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 ttacttttga gtgactgaaa aaacgggtcca 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>
 <221> misc_feature
 <222> (61)..(61)
 <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> (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
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 ntgncctggc ctggctccgg tgtgctcctg tccctggatg tgcgtcgtgc angttgattg 120

tgtncctggt aaaagctaga acacacgtgt gatgtcacca cttggacgta gctgtattgt 180
aaggatctaa gaagtcattg tggtcgatgt tgagtgcctt 219

<210> 9388
<211> 336
<212> DNA
<213> Rattus norvegicus

<400> 9388
gcgggcccgc gccagcaagc tggaacaggg gaagcggaca agtgagactc cagcagccaa 60
gcgcccttcgg 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 agtgatgcc aataaag 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
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aaccttattc ttcccataac acatacaaca acaaaagtca ttgatgttaa tttaccagaa 120
gcagctgaag atttttctca gtaccaacaa aagcaagata cagacattaa acaagttgaa 180
cacaagccaa tacaagaca tctaaccggn gnnnnnnann nnnnnnnnag ttcactttca 240
caacatcaag ggggcccagc agatccactt ttcattacac acgtgtcacc tgccaggatg 300

tctgtgactc taccctctgc gaacctcgag gatcactctc agtccctgag caccagctcc	360
atgcatggca gtgctggagtc ctgagggaca 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 ggctgttggt agtctaattt cattgatgta tgccgtgctt	120
tgtaatgcc a ggattaaaac atcaagtcag ccacttaaac agtggcaa at gtgtatatgt	180
gtttggtttc catttggtta gcagccattt tattttccca tggtcatgag ttgaagggaa	240
attaagataa cactccctcc ccaccaatgc tattcaacta cctctatctg cctgagtttt	300
ttttaaggg t 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	
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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 ggccaagtgc ctggctcgcg 60
 tctgtccctt ggatgcacca gagagatctt tgctcgccaa ccaggaggac agtctcccca 120
 ggctctgcag tgccctggggg ttgcatggaa atatcagcgg catgaaggag aggttgtcca 180
 agatgcnanc ccctggccaa gaggctatct tgctggatga gtcaagggtcc 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>
 <221> misc_feature
 <222> (365)..(365)
 <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> (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 tgatacacia gattgattcg gatncactta 120
 tatgccacac catcacacag agttttgcc a tgggctcaat ttccccgaga gactttatcg 180
 acttagtaca catcaagcac caggacggga atatggacat tatcagtact aggagtgtgg 240
 agttcccagg ataccctccc acgtcacatt atatccgtgg ctataaccat ccctccggct 300
 atgtgtgctc ccctctcaag gaaaaccag catattccaa gctagtgggtg tttgtccaga 360
 caganatgaa aggnaaaatt gcttgccctca gtnaattgag aagtntatgc cttccaactt 420
 agtaagcttc ttctcaatg tgaaagacgg cctaaagata caciaagccc caatcccagc 480
 acttcgttca catcacagta tgcactccgc tgtacacaaa aa 522

<210> 9394
 <211> 240
 <212> DNA
 <213> Rattus norvegicus

<220>
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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 tgggtgtctgg 180
 ttttgccgtg gcgggggtctg tcctaggtat ggaaaagtta gtcacccagg ccaccaacgg 240

<210> 9395
 <211> 236
 <212> DNA
 <213> Rattus norvegicus

<400> 9395
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 ggtccttgaa cggctgttgc tcagtgaat gaagctgaag gccttggaaa accagatgtt 120
 catcatatgg aataagttaa atcgacgccg gtggaacagc ggacagcgga acttctccag 180
 gaggcggcgc cgggtcaagaa ggaacgactc ggcgttttcc accgtatcta aatgta 236

<210> 9396
 <211> 232
 <212> DNA
 <213> Rattus norvegicus

<400> 9396
 agctgagacc cctgtgctgt gcctaccagg ccccagaagg cccagtaaaa ttacctcat 60
 gtggtaagtc accctagagg cacacagcac gaaagagtca gggagtgggg gaagcagaag 120
 gcaggtgaac aggagtaagc cagagcaaca ccaaggggtgc gtggtgtgcg ggggacagga 180
 agaggagaca gcccgtgac ttcccttgag gtgggcgtct actagtga aa 232

<210> 9397
 <211> 226
 <212> DNA
 <213> Rattus norvegicus

<400> 9397
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 acaaagatct aacgaaagtc ttctgacac cgtgctgtgg cgcaggctat ccatgttcag 120
 ccgtcggggg tcttcacggt caggcaagca agacaatcag atgcaggagc gcaaactga 180
 gggcagccac aaggaaccag aaaagggctg actacaaccc tgggtct 226

<210> 9398
 <211> 366
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <222> (37)..(38)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (40)..(47)
 <223> n is a, c, g, or t

<400> 9398
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 agttttcctg atggtgaaca aatagaccct gaaaatctcc acttcaacac cgatgaaggc 120
 agtggaagac tgcttggttct tggaaccag cagccatact gtgaggaagt ccaaaccagc 180
 cagcctgggg agactgcatg tacagggta cacgggtatg agctgagacc tctggcccca 240
 gctaacagcc accatcagct gcctgacgtg taagtcacag ggcttcagac agcaccagtc 300
 ttcagcctga ggcttccaat ccatggaaca gaaatgggga ctgtgtgtac cggctctgaaa 360
 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 tgggtgtgagt atgtggaacc ggggcacca 300
 ggagctgctc aaccctgctg ccatccaaga ggaggctgaa gaaggcacc 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

gatgtacttc ccaggatatt tccccaatga gctgcggggc atcttccggg agcaagtgcg 60
 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 atgccgggt gcaagagact gaggttgccc 300
 cggagcctga gatgtggggg 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>
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<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

<220>
<221> misc_feature
<222> (65)..(67)
<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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<222> (280)..(280)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (283)..(288)
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<222> (290)..(290)
<223> n is a, c, g, or t

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<222> (292)..(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> (303)..(304)
<223> n is a, c, g, or t

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<222> (306)..(307)
<223> n is a, c, g, or t

<220>
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 <222> (309)..(318)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (320)..(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> (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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 annnnnnaga actccaagag aagaaagtat cctgtgtctc cagcccaaag ccctcagaag 120
 ggcagcgtct gagcagnttg acgtttggat gcttcttctc ccgagcaaag agtccgcctt 180
 gtgcagtaag gtccgaggaa gcgagcaaga tggcctcaag cgaacctgag ttcgccgaag 240
 caagatgcgt agaaggtact tagagcgaca gcagtctacn tcnnnnnnntn gnnnnnnncn 300
 aannnnnnnn nnnnnnnnan nnnnnnnnt nnnnnctgat 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 ctgggggttta aagacttctg 240
 cctgtttctc tgaaacacca tcattgctgt agatagggtg 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
 cagtcct 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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 gagaccaca gcaagctttt cgactatggc ttaagaaaaa gcatgaggag cagatgaaag 120
 aaaggaagac tgaggagctg agaaagcaag aggagtgttt gttctttctg agaggaacag 180
 agggccgcga gagggccttt agacaatggc tcagaaggaa acagatagag aaaatagcag 240


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agcagcaggc tgtcaaagag agagcgcggc agctccgact ggaagctcgg cgctccaaac   300
aactgcagag cggcctgtac agtgtgcccc aggccaaggc tttccgcttc accgaccact   360
acaactgaag cgcctagga aagacttcgt ttgaagctgc tctncaccag aattgtgtgt   420
gtcgtttccc atgggccctt gtcttgataa tactccaaat tgtgggagtg ggatttgcct   480
tttggtgatg ctgaat                                                    496

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<210> 9406
<211> 511
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

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<220>
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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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<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

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<400> 9406
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gctgggcaaa ctgcctgtgg gctcagctct tatgcctgtc aggactcana gcaacacgcc      120
agctccccgt tctgcctgnc angaagcaga ctcacgcttg gtatgaagtt gcacgagggga      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 aaccccgctt      420
gtaaggcacc tgggataggt agcacaagga caatcattgc taacgtggca gtttctttga      480
tgcagttacg tggcaaaacc ctgtcaagat g                                     511

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<210> 9407
<211> 520
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

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<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 ccaagtaaatt ccccttttat tcatgagaac 180
 gaaagtgctt ggatactata ataccttaat ttccccaatt tttaaataa aatggaattt 240
 ttgctgagtg aattaagcat agaaaatgtc aaccatcag aattatattt atacatatng 300
 gnggataagt tcctgtcttc ccacntcaga gaatnathtt ttttaccaaa atgggcagaa 360
 tagcattttg tatgtcagac accattcttt tctagtcctt ccgaacattc ctgtgtcatt 420
 taagaatggt 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
taaaacttcc agtcaccaga ggtccaagtt ttccaacctg actcagtgtg cctgtcggcg 60
cagaagtga actacgttct ttcagattac ggagaaggga gagaaaagtc ttcgtccggc 120
tactgggacc aaatcgaaaa aaaaggtcaa atcaagaatt cacaaagaac ctagtgagac 180
agcgctggcc ttgctcatcc atgagcgaat gaatgaaaat tccaacgtga taccaccagc 240
cgaagttcca ccggtccctg aaagcgtgcc gggttccta gaagacatgg ccagttccta 300
gaccccaa at ggggtccaaag acctaaaaaa catcaatgaa tgggggtctag 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
acgtagatgc tttctgtcca attcatagtt aacaccaaga taacgtgggg gcaggagact 60
gggttgggtt tccccaagca gccacatggg tcagcaccat gggcctccca gaagaacccc 120
aaaagctgtg tttgtggcag tcctgggtcc ctgcagtctt ccagacacct ccccaaaaac 180
tagccatgct tgctgtggc ctgtggccna ccccttctca accctagacc atgagatctc 240
tgtggacaaa tgaacaccaa ggtctatcgg gccctgagtt ctagaggccc caacacgtca 300
caccttgctg ctgtcaccac ttcagaattc tgcctacac aagccctgcc ctcgcacacn 360

taggaagcac ctaatgaaat acgatagttt ctctctttttt 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 aaaccctttc tagactcact 120
 caaggcgaag gggaagagga agaaaaggcg gtgctggcga agggtcacag acggcaaata 180
 gcgcttggtc agatcctggg gtggtgtggg gcagccagtc ctgcntacag tgggaaggcg 240
 agcacggcac tcacccaag gaccaggtc atagtgtct atgtataggc ctacttgggt 300
 gggaggcagc tcctctcacc actgagccat cctcagcagc tgtgctgtgt ctgcactgat 360
 gcttgtcagc tgcattgctt gcggtccagg ataagcaagc ctactacac agcgtcacct 420
 ctacattga atctgaga 438

<210> 9412
 <211> 364
 <212> DNA
 <213> Rattus norvegicus

<400> 9412
 aggagcacta caactgtcgc aggatctcca gtgtcttata acctgctcta tcccaggact 60
 tccactgttg tagcattacc atggtcacag caactacact gtttcaggac atcaagtga 120
 gctggacctc caatgatgct ccaacttctc tgtcacagga tctctacagt tacaggaata 180
 ctctgtatc agcaattcca attgctggac ctgagttgtc 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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 gccttttctgg gcgcccttcga gttggggcac tgaacgaact ccgtacagag caccggcctt 120
 gcacctacca gctgtgcact tgcaacaggc aactggagga gtgccctctg gactcgagtc 180
 tctgtactga ccatagctgc agcactcatg ttgccagcac aattttctccg attcctgtcc 240
 acctgagacg cagacccatc ctcccaccca ctagcccgag cccagccca gctcttgcc 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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 cattggctttt ggggtgtaggg atcgccgctg gagtggtcgg aggtgtgttg gtgaacgttg 120
 ctctctgcag ggtcctggga gggaccggtg gcaatgggaa cctcagcagc ttataactcc 180
 tgccttcctc caggaagctg agctagcttg tatgtgagtg tcccgtgcct ctgatgggtga 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
 gtgcgcgcgt cccccagct ccacctctcc aaacagtgtg tatgggccag aatgtactaa 540
 tcgcagcctt tta 553

<210> 9415
 <211> 246
 <212> DNA
 <213> Rattus norvegicus

<400> 9415
 agaaaccgct caccgtatct cagggaccta cggactgccc gggaaaaaag gattgaaaga 60

ggacccttcg gatatgaccc ggttttgcag tcggactcat tcctcaaaga agattgtctt 120
 ccaacaccaa gtcttctttc ctttcgggga agccagctcc tgtctaggct gaatgactct 180
 tctgatcttt gacactggca gaagtggaca aggcattgtt 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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 ggagncgtgtg 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 aagagggggt 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 atcccgtca 60

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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

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<210> 9418
<211> 392
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (350)..(351)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<400> 9418
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ggaagtaaag gctcaggaga cagccaccac agaggcaggc gccaaaccaa agacagatct   180
gcttaaccaa cagacgggcg ctgaccacc cagaatcaca tgcacgagtt ttacctagc   240
tggttgtttg tgaggaccag gcaactcgaa ctctgtctc tgtgagaatg tatactttat   300
gctctctgaa atatatgaca ccagcttta aaaaaanaaa aaaagtgggn ntagggaacg   360
agaactntgc acttccttg tgatatcaga gt                                     392

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<210> 9419
<211> 74
<212> DNA
<213> Rattus norvegicus

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<400> 9419
gttctatgat gtcattccgg gagctattat ttcactatgc atctggcact atgatggttg   60

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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 ccacctctc 120

tccagtaaag acagacgttg gcccgatta attctaaacc gttgtcagct ctaacaccat 180

tagagcttgg cagctcctca ggaggaagga aagaattggc 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 tggcttcctt tggccaggcg ctcccaaagg gaaaaggggg 120

aaaaaataag atttaggttg 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

gactcgtgt 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 tgggggagggc 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 aaatgtatit gatagtttca gtcactttaa 60
 tagtttctat agtaacatgc atttagatag aagattcata gtgtttgggt gaataagcta 120
 atttgtgaaa acagtattca gttagactaa ttgataaatt gtctttcttc tatnntncag 180

gaaaacaacc aaagttttta gtagcatttt aagaacagat gaatttgaag ataaagaatt 240
 attcatttta tatttttgac acctgccaat gaagtggacc tagtaacaat aactaatgga 300
 ctgtgacgat tcaattttatt ttctacttttg atggttggct atttggcttc tcataaaagg 360
 agaaagagat attttaaagt ataaagaatt ttctaatca gtttcagctt tgcaggcagc 420
 tcctgcaaaa attgggaagg aacactcgaa agtagggatg ttgttggcga agtgggaaga 480
 ctgtattata atttgcattg tactttgcaat tcttgttttt caccacttgt 530

<210> 9426
 <211> 331
 <212> DNA
 <213> Rattus norvegicus

<400> 9426
 aatgtctact gacttttatt cctagtcacc gttccttaaa caatgtatca ggcacctgac 60
 atttgcttca cattggaagt attttttagaa aagggttcaa agtacatagg tgtattcttg 120
 ccggttctgt gtaaatagtc caccacttgg tttaaaggat ttgccatgca tttcaacatt 180
 cagtgggggtc ctggatccag cccaacttaa atggacaact aattattact cttgttaatc 240
 acatgaaata ccttgtgccc atccccacc ccctagttca caggtctgag tgaccctgac 300
 tgcattgaata 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
 tggcgggtacc tagtagcgct agcgggtatag 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 tgggacctag 120
 tcgctcattc agcagaaaag tatatttttg aagtactaaa gtataataac tcactattat 180

gccgaaatt 189

<210> 9429
 <211> 163
 <212> DNA
 <213> Rattus norvegicus

<400> 9429
 cagtcgaaaa gcaaaccgag 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 tccttccac tgattacatc agtgtgggggt gtgcaccgtc 60
 ctcagtatgt tgacagacat gttctccatt gtgattcggt tgactttata tgtgcgtacc 120
 ggtccttagt tcattcttta 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 ggttttggtc cctggccttg cacgacacag 240
gtagaaatcc acccagtgtc 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 ttatTTTTTT 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
aaaagggtggc tttcaaaggc aagatccaac agaagctaaa tcagtcttcc cacagcaagc 240
ttcagacagg aaaacccaa 259

<210> 9436
<211> 262

<212> DNA

<213> Rattus norvegicus

<400> 9436

gatcggaata ataccttcac ctgcctattc actgttggtta ccttgccctg gataacagaa	60
ttccagctct tcaagaatgt gtgttcata tag ttcctctgac tggagtcac cacggctctgg	120
ccatgtactt ctctgcatcc atgaagtggg taatcttggg agaacctctg tgctcatgtt	180
ccttgttttg caacattgta tggatatgaag actgggtatg tgaataataa ctagggaaat	240
gcatactact gttgtttcat ca	262

<210> 9437

<211> 287

<212> DNA

<213> Rattus norvegicus

<400> 9437

cactctgccc gaggttgac aagaaggcag tccgtcgaaa gcaggctagc cataaccatt	60
ctgtgctgga tcagtgtgtc cccacaagcc tgggccctga cctccatggc ttcttcctcc	120
agccaggaca gcaaggaagc agggaaacaca gctccgacag tagaaagtgg cttagctccg	180
tgccagcccg aaccactga tcctcgggaa ctctggctcc acaagttcaa ggcctgcaga	240
cagtaggcag ggcctggatt tgggagcttg ctttcatggc ctggtaa	287

<210> 9438

<211> 258

<212> DNA

<213> Rattus norvegicus

<400> 9438

gtcaaaccac acttgatttt ccaccagct ttcctgttaa gaaagatgct cttataaaga	60
aacactatac tgctgcattc ccaatagggtg tcctaacagc taccatgtca ctcttcggtg	120
tgattatgtt cttttttgag 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
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gcttgaagaa gaggggagcc tccagtctca gagctgtggt gatagttcag atgactgcag 120
 caccaaggta ggtgctgcag acacacgctc tgggtcccgc ctttctgact agccctggag 180
 ataagcagcg gttttgtttg cttggttttt tcttaccttc ttcacttctt aaagtatggt 240
 tcttatacaa tgtttcagtc agagcggtaa t 271

<210> 9440
 <211> 274
 <212> DNA
 <213> Rattus norvegicus

<400> 9440
 ggagactgaa actggagatg accttgaaca aagaccattc ttttccccct ttcactggaa 60
 acctttcact tcacccacca gcatcacggc ctccagaatat attttttaac acaaaatact 120
 aggaaagtgg tgttgtcagc agggatgaca agtacctccc acagcggtgt ggggactggc 180
 tgggacagcg actagtgggt cttcagctgc tccacaggct gcggctttta atagacttga 240
 ctcttttctg aggctataca aggttttagct gcat 274

<210> 9441
 <211> 205
 <212> DNA
 <213> Rattus norvegicus

<400> 9441
 gacagtgagt tgagatcctt tcttgtaaata 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 aggaaatggt ttggtaggcg 60
 cgaatgtaat ttctgtctat aaaaacccgt gcagttcatg gatgatggat ttttaagcagg 120
 agttggtgat gttaattttac agcaatgatt actctgtgct gaaaatgaaa ccagaccatt 180
 tctttttcac catgccacac cttttaacat tagcttggat acatctcagc tgttttgtca 240
 agggagagt 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 ttccaacgca ttgctacgga agcctgccag aggatgaacc 120
 tcagaaagcg ctgtaccctc acctcagaag atatccagaa ggcagtgtat atgtttgatgc 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 tcaggggtgag agattgccaa ccaaaccct 120
 gcttccttta gccccatcag aggtcaggag ggagggagga aaggatgcag ctccaacagc 180
 ccaagggccc cggagacca 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 gccagactc 300
 tcctgagaac acacctctc ctacaccaac agctccctct tctgggtcnc agcatgcagg 360
 tagagctgcg tctggct 377

<210> 9448
 <211> 358
 <212> DNA
 <213> Rattus norvegicus

<400> 9448
 atggaagctt acgtgttgct ccctgcaccc cgagaacaca tgggtgcagt cgcacatcgtc 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 tctaattgtct tgggcacgaa attcaccatc 300
 tttgataatg ggggtgaaccc 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
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 tntcttcgaa atgtctctcc atgcatctgt ggtagagtaa cagctctgtg gctccatggt 120
 agctacctta tagttactgt gcaattagtg ccacttaatg tatgtcacca gaagaactaa 180
 gatctacccc agactagatg tagcattttt ggaatacttg gattttctga tactgatatt 240
 tgtcattccc gcagcaagta tactgggttg 269

<210> 9450
 <211> 285
 <212> DNA
 <213> Rattus norvegicus

<400> 9450
 gcaggcctat gagttcatgt gtttgcacat gctcacctct gtggtgaaag gaccagccc 60
 ctggacagct tcaccactga ttggtgtatt acatgtagtt ttgagagcag atacgatttt 120
 ggcagcaaat tggatagggt 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
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 tgctaacttt gtaatgagcg gttccgattg tggccatatac ttcattctggg accggcacac 120
 tgctgagcat ttgatgcttc tggaagctga taatcacgtg gtcaactgcc tgcagcccca 180
 tccatttgac ccaattctag cctcatctgg tatagattat gacataaaga tctggctgcc 240
 actagaagag tcaagaattt ttaatcgaaa acttgctgat gaanttatan ctcgaaatga 300
 gctcatgctg gaagagacta gaaacccatc actgtcccgg cctctttcat gttgaggatg 360
 ttggcgctac tgaatcatat ccgagctgac cgtct 395

<210> 9452
 <211> 177
 <212> DNA
 <213> Rattus norvegicus

<400> 9452
 ttccatataa caagagctgc cccggaaagg gggggaactt tagagacaga catacatagc 60
 gacgtgaact gtcaggacct ctccggacat tcattcagaga ccctgtggca ttgggttgca 120
 gccagcgtg gccgccatct ttccgctaca ctgtttcttc gctgtacgta actatat 177

<210> 9453
 <211> 184
 <212> DNA
 <213> Rattus norvegicus

<400> 9453
 ttccattccc ctaatgtcca gagactgaag aaaccaggc ttgcttctcg attaagaagt 60
 atgggggggaa 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
 aaatcatgga tgcattgtgca ggcattttta tctccaacgc tgggtcttca ggacagcagt 60
 accactttta 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 tgttgggttac ggccacacat 120
 atgtactgct taagggagat tctttcgagg aaaggactgg cttatatcca gtctcgacaa 180
 gcacta 186

<210> 9456
 <211> 206
 <212> DNA
 <213> Rattus norvegicus

<400> 9456
 aaggcttcct acacgccgga ggtgatagag aagtcggtga gggatgtgga acactggcac 60
 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 aaaatatattc acaagataga gagagacaga gagagaatga ccgtgaaccc 60
 cctcaagcct tcaagaatgc gcctttctct ctgtttgatg agatgcctgg acccagaagg 120
 aatggctaaa gaatgggggt cacaacccaa gagtgggaag cctcaciaaac tcagctagaa 180
 ccatgaaggc taatagcaga ggaggctgcc cc 212

<210> 9458
 <211> 236
 <212> DNA
 <213> Rattus norvegicus

<400> 9458
 aagttctcct taccagaag ctggagagga tcttcagaga gtgggctaaa ttttaagcat 60
 gggggaatcc ccaggaaaga tcaagacttc tggcgtatta taacgttgag tagcaatcac 120
 gcattaactg aagattaaag gaaaaaatag ccaatatattt tactcaaatt cttcctattc 180

aagttcgaatt 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
 accccttctc 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 gtaaattgga 180
 aagccagagc tgcccaagca cactggctcc tacaccaca cccttgata 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 atcgagaga tgccttaaa	180
agggtaccgg aaggcctgga ataaaatgaa gacttcagat gagcagctgc agatggtccg	240
ccccctggg aaatagccag gagcttcag accaag	276

<210> 9463

<211> 169

<212> DNA

<213> Rattus norvegicus

<400> 9463

cagagaccg tgactgcgag ttcggacgct ggggtcggct gctctaccgc ctgcgattcc	60
actgcccac ttgcgcagtg cccttcacac atgaggacac tgtgcctgag gagtctgagg	120
atgaggatga ggtcgaggag gggcagttgc agccccgga 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 gttgccagg agctagggga aaacttaacc gaagatgagt tacaggaaat	60
gcttgatgaa gctgatcgtg atggggatgg agagataaat gaggaagaat tcttgaagat	120
gatgaggaag accagccttt attagctctg ctttgtgctg tccaagacag cttgcctgtt	180
aagcagttca gtaatgtaat acctagtgt 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 ggcccccca 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 caccacagcc 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 gccatcccc cactccccca agctgtgtgt tgatctggtc 120
 ccggccccac ccttttctgc tttctagaac ggagtgtcag gacacctatt ctaactatca 180
 aagcctttgg ccccttctcc tccacacaag cctccacaga ggcttggagg acagagggtcc 240
 catcccagct cgacttttgt cccctagggg 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 acagtgaatt cgaggcctgc ctgggctact ggaaacccca 300
 ctgcaaa 307

<210> 9470
 <211> 305
 <212> DNA
 <213> Rattus norvegicus

<400> 9470
 aaagaaccgc acattatata caaagggtcat aagttttctca tctggctttc ggacacctta 60
 ttaatgcgga aagctttatt tgaccacctc accgcccggg gcattcaagt atacatttgg 120
 gttttaaatg aagagcatga gtacaaaaga gcttttgatt tggggggccac gggagtgatg 180
 acggactatc caacgaagct taaggagtgc ttaaataaca tgtcagcatg aagcactcca 240
 gatcattgag aggagtcatt atcagaaaag atctgaggaa aggtgtgtta gccacggttc 300
 ccctg 305

<210> 9471
 <211> 323
 <212> DNA
 <213> Rattus norvegicus

<400> 9471
 tggctaatac ttggcgcaaca atccccacta tgtttaaccc tcgtagcaat tttgggatcg 60
 aggtagtgga cgacctcttg tttgtggtgg gtggctttta 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
 ggggtacctga tcttccatth aagttttata aatcccagacc tcctgggtcaa 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 cccaaggcc tggaggggccc 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
 ggggtggctcc actggtttga actaccagca acggcctaac aaccagactt tcagtgtcga 60
 gatgcctcag aggcctgtga tcaaactgcc agagatccct ctgtttggca atgggttctt 120
 ttcttttaggt cgtctgcca agttctggga agcaatccgc tctggatgga atgttcctga 180
 gccacctct aagcccagg gctgggtggtg atttggatgc caggcttgtc cagtg 235

<210> 9475
 <211> 300
 <212> DNA
 <213> Rattus norvegicus

<400> 9475

tatgccagac actcacacag cgttatgtga gcatcatgaa caggctgcag agcctaggct	60
acaatggacg ggtgcatcca gactgacag agcagctggt gaacgcatat ggcattcttg	120
gtgagaggcc tgagctggca gcatctgaag gtggtacctt cagtgtggac ttcttgacgc	180
gtgtgctggt ggagactgtg caccacagca 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 gtggaccaa aagaacttgc	60
aaccctcaga ggacctcaag tcagtgatcc aaagactgtc agcacttggc ccaattatct	120
cagtcactcc ttgtggccgg gaaagtgtg tcgtggtgtt cagagatgcg gcctcagctt	180
gtaaggctgt gagtgttttt 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 ggaacttttg ctgtggctgt cgccaatttc	60
caagcatcta caccagcacc tcccatttca 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 ctttccgttt atctgctcta taaaacatcc cactacaaca	120
tcctttatgc agctgaaaaa cactgattat taggccatgc cagagcctgt catctaattg	180
actgcactct gaatggaaca tttctgcctt ggcaactttt taagtgattt agacaactaa	240
aaaacatata gccttttggg taaagccact gaactgagac ctgtgcccac tatggactgt	300
gatgacttaa taggaatfff agtattttatt 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 ttaggacaaa cagaaccaga	300
tgatccgtga ccttcaacag cagatcttag agcaaaacaa gatacaccag gagtttttgg	360
aaaaagccag gaaacgcttg caagagtttc agaaaacatt ttaaaagcag acccaccat	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 gtcacgtac 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 tgagtccag 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 acttcccaa 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 agtttctaata ctttctgaaa	120
gtggggactt ggtggccgag gtgtgggaga cctgatgtca acggtgggaa gaaaggcaag	180
ggtaacctga gtataatcct atctgtgctt cacttaggcc gaagaatctt ggagaattct	240
tctcaccagg ttttgtatat actaagatta tatttacaga ctttttatgt cctgggcatg	300
ctacctgccc tcccttcacg tgagcacttt gtattgtctt ttgtgagaac actgaccaga	360
gcctttttgc tgtactcttt atgacttacc tgtattggga gtgac	405

<210> 9484

<211> 400

<212> DNA

<213> Rattus norvegicus

<400> 9484

acgggcctca tcaagggctc tttgttgaaa agagacctgg aggcgcgaga gaaactgaac	60
agacccttgg ttcgcatgta tcagagacat gtgggcaccc agctgccgga agctactcgc	120
cttgcccagg gtactgacct gctaaccgcg cacaacttgc aaatggaaaa gaacttaaaa	180
gaactccgta caacacacga caacctcgcc tggagcctca actgcaaaaa gataggacac	240
gatgtggact atgatgtggg gcgtctgcgc ctacgccagc tccaccgcga cgtgtgctat	300
gagcaggcga agcgctgat caacgactgg gaccctcgca caccaccacc gtgcagccga	360
accaatacct cctccaagtg atcacagcta gccttggccc	400

<210> 9485

<211> 492

<212> DNA

<213> Rattus norvegicus

<400> 9485

tcttcatctt tccacgacat cttaaattccc cacagagacc atggctcgag agcggagccc	60
agagacaaag aggaaaccag gcaaaccctt ccctattcgt acagcatgaa ccaccctgc	120
tttgctggaa tagaagacag cttttccagc cagatcaacg agagtctgcg ttgggatggg	180
attctcgccg accctgaggg agaaaaggaa aggattcgca tctacaagct caaccgaagg	240
aagcgggtacc gcctcgtagc tctcaagggc ttccattcgg atccctgtgt ggaggagagc	300
gtggagaacc tgccttacct 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 aaggggtag 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 gtcattggcc 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 caagcggtagg atacctgagc aggagtgggtg 60
gccagccatt cctggctggg gcgtttcctc gagcaggtgc tgctgtcctt gccctagggc 120
atctccaggg ccctgggatc tacgggctct ccacacatag ctgagcccct tgggtgcttcc 180
tcttgcgga tccacntgga gccatccagc cttcccctgc aatccctcac tcggggcccta 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 ttcttgagtc tgatcgggtca caaagttttc	120
acctctccag actctccact cctttactca ttgcaactg caaatgtagc aatttgcaat	180
cctaataccg ggccagaacg ctgggtacct taaagcttta cttgacatca tctagtgttt	240
tctgtccatt ttttaatgac ttttgttttc ttgtttcttt aaccctatcc cctccttcta	300
ccntagtatg agaccggtac ccctttactg tgtctaaata t	341

<210> 9489

<211> 341

<212> DNA

<213> Rattus norvegicus

<400> 9489

tgctatactc tttgtgttct tcctttttgt catgtttctca ccttttttgc ttgagataga	60
ccagcacatc aagaaattct ttctcagatg ccgatgttct ctgcgcaatg cttcccgtaa	120
ggataaagac agtattaagg tgaagatgaa ccatctggga ggggcaagaa gtctccttca	180
gacccttggg agagaagctc caagaaaaga gacaactggg gggagagaag acagctcaat	240
tctggtggaa attgtaggag agaggacccg ggaagtctgc ccagtgcacac cagtttgagg	300
tgaccatata 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 gttcgtgtg aaaacagtct ggcaagatgc cactgttcca gtaagcagac	60
aaatcgagga tgcttgcttg tatcttaacc ccctccagtc aggaggctga gtcccctcct	120
ccataccagt ggcccaaaga gaatgagaca gagttagaag tcatagtagt ctgtgtttgg	180
aagggcagtg gctgctctca ttgatgtgta gctgggaagt tttggggacc aggcagccgt	240
actagcagtg ggcaaagcaa gagacaatcc ctggtgcaac acgcaaatg ctggaagggt	300

tttngagtat tgttatagct gttgcaacgt gagccatttc ctctgcagtt aaacacggtt 360
tagtttatgc tgcagcgcgga gcccagggtta 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
aacgggaccg caaacagtct ctggagtcag cttatgtccc cgtggtggtg gatcctcgcg 60
ggcaggagacc agacagtagt ttcagggttca atttctacaa ctcacagtat nccaactctc 120
tcaatccctt ntacaccctg cagaaaccca cctgtggtta cctgtaccag agagaaactg 180
accacacacg gaaatgcttt ggcattcctc ccgcaaact ggtcttgtgg cgcagcacct 240
actaaatcca aggcattctgg aagtccccac cctgcacctt cactctgtgg tcctgggtcc 300
cagagggaaa agtcattcat tcctggagaa gcggcgata cctgngctag ccagggtatgc 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

<400> 9492
gaacttgaag cttgcacata cccgcctgga atccagaacc taccggccca atgtggaact 60


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ctgccgggac cagacccagt atggcctcat tgattaagtc cncagctgg aggcaaccat 120
tagtatcatg aagcagaaac ttgcgcagac acaggatgct ctggatgccc tgttcaagca 180
cctggcccg attcaggctg atattgcgtg caagaccaac accatgctct tggacaccaa 240
gtgtatggat atccgacgca agctgaccgt gccggctgag aaatttgtgc cccagggtgga 300
caccttcacg cgcacgacaa accgcacact gagtccactc aaaacctgcc agctggagct 360
aaactagact ctggcggctg 380

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<210> 9493
<211> 466
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

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<400> 9493
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gaatacgggt cggatgaacga atgcatggaa gncatctgta agatgtacga ggagcacctg 120
aagaggntga accccctcag ccagtccatc acctatggcg tcagtcagct gtttgagttt 180
atcgaccgca tggtagacct cagctgcctg gtgttccgcy aagataccca gacctacaag 240
cctcacagcc gagaatgggt caaagagagg atctacatgc ttctcagtca gcaggcgcaa 300
cgagacgagt cagagtgatc ttctagaagc ttccagggtc ggggctgtct cggaccgccg 360
ggaacatttc tgatcgaagc agcaggaaca agctggagcg atgagccatt ttccatggaa 420
ggctgcccct aacctgtgaa taatttctct tcacgtgagc tttgag 466

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<210> 9494
<211> 472
<212> DNA
<213> Rattus norvegicus

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<400> 9494

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aagcgacact atttcatggc gtacgtggaa gcttgctgct cgaagggccc gtggaattca      60
gaagaggctg gaggaaaaag aagcgccatc tcttcttggt gaatgatctt ttggttggtg      120
ctaataatgt acacaagaag aagtttaaga taaaatatat catccactg agttacctct      180
ggatttggtg ctatgcagac cttgtgggag gagacaacag gactgcctcc aagtccatct      240
tcctttgctg gcccatggaa aattttgtgg ccaccttctg taccaaggaa cagaaaaaat      300
ggtggtggtt tttcctcaa agatacatca atgaggccaa gatgaatggc gagagtaaga      360
gtgctgcact gcagatggtc acagaggaca tccgacgctg caccagcgca tgcgcctaga      420
catctgctgc tgtctttgcc caatccagag gaagactccc atttattccc tc              472

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<210> 9495

<211> 436

<212> DNA

<213> *Rattus norvegicus*

<400> 9495

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aggaggtccg aaccaagctt cgcattccacg tgctggctgc actcatcacc tttttggcct      60
atgcaggagg gagcctcaca ggagcgctgt ttaaccacgc actggcactt tcgctgcact      120
tcccgtagct 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

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<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
 aggccccctta agactactag ctcagttcctt ctagctctag gtttggtctc tatgatgcaa 60
 taticctgcgt ttccccacc tttcccaccc cagcactcca gccgggggtgg cnttcatggt 120
 ggcccaatgt catctcntgc tgctactcgt gnttccgcga gcgttcccat cgctgccagc 180
 tgcacgccgg aggtcaccgt agcccgcata tctgtctcca gtccaacttg gttcggccan 240
 tgcgacccca ctgaaaccag gcgcagtcag atagccgaaa gggcccgag tcctcacgaa 300
 ggaaagactt cggaaaaggt tgaagagcct agagaaggta tggctgttgc taagcctgag 360
 gctacacca 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
 aaagatgggtt gcttccttgc aaagtgagat gatcgaaaac caagcactcc aggatgtgca 60
 aatgaacaa agagtatatg caaaaataca agctacacat aagcagagag atcaggctca 120
 caagtcattg gaaaacttct tggctagaac atcaaattgct aaaacattaa agaaagcaaa 180
 gagacttcaa gaaaaggcca tagaatcctc cagatacagc aaacgaccac aaaatgcaat 240
 attccaccaa acagttatta aaggccttaa cacaacggta acttcgggcc aggtggtgac 300
 agtggaagc actcctactc gattgctggg aggacctctg gctgacacag acattgctct 360
 taaaaaactg cctattcgag gaggagcctt gcagaagggtg 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 tgcattgactt cggctctggaa 60
 ggctacaggg gatataacct ggctgactgg atctgccttg cgtactacac aagcggcttc 120
 aatacggatg ctgtggatca cgaagctgac ggaagcacca acaacggcat cttccagatc 180
 agcagccgga agtgggtgcaa aaacctcgcc ccgaacggnc ccaatctttg caggatatac 240
 tgcacggatt tgttgagcaa tgatctcaaa gattctgtcg cctgtgtcat gaagatagcg 300
 caagagcccc agggcctggg ctactgggaa tcctggaagc accattgtca gggcagggac 360
 ctcaagtact ggggtggatgg ctgtgacttc taggaccctc tctggatgga ctaagccaca 420
 cacagctggc tgggaagtgt gggcttggtc 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
 caaaaagggg gaacaggcct acttctactg cagaacttac cagatatgct gcctccagtc 120
 ccatgtgagg atcagcctga caggcgtaga ggacaacact aactggtnnt atgagaaaca 180
 ctggccaaga ataccgtgaa tgctgggtacg ccatgcacag acttccagag 230

<210> 9500
 <211> 243
 <212> DNA
 <213> Rattus norvegicus

<400> 9500

gggtacatca gatactccgg gcagtatctt gagctgggtg gagctattga ctctgggtgca 60
gcgtatgtgt tagagcaggc ttctttctcac atttgtaatt ctactcaggc tgccgtaaga 120
gatgccatcg ctgggagacc acctgctgat aaaaaatctc aatagcatct taatgggaag 180
atccagcaag agcccagtca gcgtctggat ttctgctaatt 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 ttcacgacc gccagaagtg tatgaccac 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 ctacgcatct 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
 tggctgcata tggatatactc agcactcgga aactgtctct tctccatgta cctgggtgatg 120
 gacgtgcaga tgatggtggg ggggcgctac cactatgaga tagaccccgga agagtacatt 180
 tttgctgctc tgaacatcta cgtggacatc atcaaccttt tcattttcat tttggacctg 240
 attgggcgat agctgatggc tgaagctggc taagcctcag aagaggaaag gtggggcacc 300
 cgtggcatgg ctaccaggct caggcgtgcg gtggtgacca ttcattgggcc ctttgaatag 360
 tcactcattt accaattgat ctgt 384

<210> 9504
 <211> 379
 <212> DNA
 <213> Rattus norvegicus

<400> 9504
 tgtcccaggg tcatgtggcc accactggtg ctgctgtttc tgctgcttcc tgctgcccatt 60
 ggcgcccccc acccagctgc cgacctccag gaaaactttc caagtgtact cgaagaaatt 120
 caaactgaag gagacagagg catgtggagg gaagacaacc tgtttgctgg ctcccgtgt 180
 cctcctggct cataaggtgg cttctatgtg gtccagaagc tggggctgag gacctgtagg 240
 ctcatgaggg cctgccaggc acaggatcgg gagtttccca cttcctcctt ccggtctcct 300
 ccagggccct tcagctgctg aaggggctgg ggggtggacac 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 cttttctcca agcagaacct ctgggatgcg 120
 ctgttcaagg ccttgagaa atactacctt gtgctgacct agagggccaa gctgctgatg 180
 gagaatgact ccctggagca gcagaatgca gagatgcagt ccctgctgca gcagtatctc 240
 cagnccaagg taaatttga actgcaggtc cctccaactc agggcttccg gatgccctca 300
 aaatagagaa ggctgtgcac agcctggtgt catagagtct gcacctgttg cctgagagcc 360
 aggccctccc tggattctcc tgagctgcat ctagctgcc 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
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 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 agtaaattgta 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 ttataacca caccaccgaa 120
 ttctctcag cagattccag taccacctgg cgtcgtgcag aaagaagaac cccaagaaag 180
 ccaaaaagat ggccagctgt aaatacaacg cctgccacgt ggtccccatc agaaagctgg 240
 ctgaacatga agctacctgt gtcaacagaa gtcctcatgga ggaagaggac gccttnggcc 300
 ctctgcaagt cagcctccca cggnctcaga acgaggacac antacaggtc cgttggcttn 360
 ccagccctga tatttggaat gttgacggtg ccaactgtca cccaatgttc gtccttaaga 420
 gttttgttcc ccaaaaactt gtttgtgaaa gtgacatcca agagtcaccg ggaggagacc 480
 aatgcccgaga 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 agtgggtccag 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 gccnnnangn ncttacggc caagctgctc 120
 ttgggccgaa gatgcagcct gaaggtatct ggaaaagaaa gtgtggccac gctgaagaag 180
 ctggtttctc agcacctgca ggtgccagag gagcagcagc acctgctgtt ccgaggccag 240
 ctctggctg atgacaaata cctctcgat 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 ctcatcaaatt 120
 tttcatgaca aatatggcaa tatgatgctg ttcagtgggt ctgctttctg tctaggtgca 180
 tatataatit ttatgacca gatgggggtg gagtggaacc tgtctcctgt gggcagagtc 240
 acccccaaag agtggaatga gtaactttct cagtacacta acagaattgt ctcaaacct 300
 actgtgcacg 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 gacccccctt ggccatctgt ggttcaaggg acaaaataag tgcctacctc	300
tccctgaagc ccaaacaggc ccccaaacag gccaggcctt gagattcaag aggggaagtt	360
ctaagtgcc caaccacct taacgaacta aacaaccgag gcgtgcagta gccttaaagt	420
ccctcagtgt ttttccggag ggtgaagagt tggaaataag tggctaccgc actccccaa	480
agtccaaaca ggccagggca tgagactcag ga	512

<210> 9513
 <211> 227
 <212> DNA
 <213> Rattus norvegicus

<400> 9513	
aagggcgag cagtgcagag catccctgtg tttggggcct tgcgttcaac ttcaccttg	60
cagcggacac taagagactt gggtagcag 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 gcagaccag caactggaaa tgctacagca gcaggtcaag	120
cagctgcaga accagctggc tgaatgtaag aaacaacacc aggaggtcgt atccgtttac	180
agaatgcata ttctatatgc tgtacagggc caaatggatg aagatgtcca gaaagtcttg	240
aagcagatcc tcacatgtg taaaaaccag tctcaga	277

<210> 9515
 <211> 254
 <212> DNA
 <213> Rattus norvegicus

<400> 9515

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atgtatatgg actggctgac tgtgtgaatc acacccaat gctgcggtc tggatatcct    60
ccatgaagca ggaccccgca gtgtgcgctc tgcacattga taagaacatt ttcctgggct    120
tcttgaatct ctatttccaa aacaaccctt gtgcctttga ttttgggctg tgtggcccaa    180
tcgtacggta atccagtcac tgcccaggat tctcctcata tctgattctg catcacgggt    240
catcttggag tcag                                                    254

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<210> 9516
<211> 316
<212> DNA
<213> Rattus norvegicus

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<400> 9516
tttgattgcc ctctgtgtga agaagtgaac atgactagac agcgtttgct ggatcattgc    60
aatagcagcc accgaggtca tgttgtgcca gtcatttgcc cgatttgtct ctctcttcca    120
tggggcgacc ctactcaact caccagaaat tttgttagcc atcttaacca gaggcacag    180
tttgattacg gagatttcgt gaatcttcag ctggatgagg aaaccagta ccagattgcc    240
atcgaggagt ctttccatgt taacatctag gttttcctca tcccgacaat tgctcctacg    300
ggacaattta catgaa                                                    316

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<210> 9517
<211> 356
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<400> 9517
gaatctcagg aaaacgcacc cagtttccac caaaattaaa ggtttatacg gaataaaaga    60
agaggtgttc ctcaagtgtc cttgtgtcct gggagagaat ggcatactctg atattataaa    120
ggtgaagctg agccctacag aggaggccca gatggtaaag agtgcagaca ctatttggaa    180
aatccagaaa gatatcaagt tttaagtcac ccttgtaaag atattgaaga cagaagacgc    240
agtgatgcc agtgtggggg gactggagtc tgaaagctgg agcgctccc tttagggtctc    300
ctgttatgta gcaccagtg gctgnggact ttacagtttc tgggtgacag cattaa      356

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<210> 9518
<211> 436

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<212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> (202)..(203)
 <223> n is a, c, g, or t

<400> 9518
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 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 aggaggggtg gatgggagga 360
 catgggggtg 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 ccctgggtgcg ctgcaatatg 120
 aagatggagt tggagcaggc caatgagaga gagtgtgacg cactgaagaa gatctggggc 180
 tcggcccagg gcatgaactc catgttaaag tacttacaga ggaaaatcga tgagttctga 240
 ttggcaggct gagcaggaca ccagcgactc ccacttgcta cggtcgttct taacagtagc 300
 ttgtgttttg aggcagacct gggaacatcc aggctattta ttgccgacgc gtttttaagt 360
 actgtaactt taaaataact acaaggcttc tttgtctaag cgtctttatt ttatactcat 420
 gtatacacia 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 cagatgaaga ctcaggggga ccacatactt 120
 ctgtccctct agttactttg ttgggtattt ttttctagtt agagtaaatt tgaggatcat 180
 agttatatag aaggagacat atatagaagg agttacataa atgcataata agtttagaaa 240
 ccccaactaaa taggggattt tgtttctttt tgtcaatttg ggattatatg tatgcatttc 300
 tttatctttt actctatggt accatgagat catccagcca tctttgtcaa aganccatag 360
 gtgtttttacg 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 tctttacct 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
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 ccttagtagg caagttaa atagccggct ggtaaacgac acctaacagc ctncgcgct 120
 angggaacga acgaggaatg gtccgaagt ctaagaactc cgtgagagaa gacgccatag 180
 agtaaccacc tcccctgcta tctctcaagt taccttgact gaaccattg agttatctgc 240
 tcagcactgt gatctttttt tttctctcca aaggaccgc gttggacaac aataaagaaa 300
 atttaccata tcannnnnn nanannnnn ntgttgtaa gcttggggct tctataccgg 360
 gcagccacca tgtcccttgt gtcattccagc cgcgccaccg tgcgcgtctg taccctaagc 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 cctattatct ggatttatct gatcaciaat atttgctgga 60
 aggtgccact ttatttaaca aagaggaaca ccattactct gcagctttcc agatcgacgg 120
 acattggatg cactatgatg gcctcagaaa tgtgaattta attttgttaa ataaaccccc 180
 agagtttctc ctcttgatc cattggttta tattcgagca acagagaaat aaatatagac 240
 tgatgctgaa ttaaattggt ctccgcctg cccgtgctcc ccagaggaag ggctcttggt 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
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 agtgatgaaa agcctctcaa gggaagcctt cggtcctga atagaaacat gcagcccaca 120
 gagagtgctg acagtttagt ggaatatgga gaaggagatc agtccatatt caacgnannn 180
 ggatcattta ttggcgccta cacaggagct aaggagaaa gatctgttga aagcaatgga 240
 agttcaactg ccaccttccc actccgagca taagcacagc acatccatgc accaaggctg 300
 gctcacctgn acctctccag tctcttaagg ggagcaaggc cttttccaca ggagtgaaaa 360
 atgtgtgtcc agaggttgat attctgcaat ttgtctcaga aaaatagcac tgccttccaa 420
 aanaaaaaana aaaaagaatc atatgccaag tacttcaacc ctgtgtttca ttttgg 476

<210> 9527
 <211> 296
 <212> DNA
 <213> Rattus norvegicus

<400> 9527
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 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 cgcacctctc ggcctcagag tgcacagatg ttagctgaca gcaatgcagt 180
 tccttcaggg caaaagaaag acagaccagt ctcttctgag gggcgtctcc tgcaggcgaa 240
 tatccccaca gacatgggaa gtctgccggg tagccaaccc gggatgaacc tgcagatgga 300
 tatgcctcct ggggagggga tggaggagcc caccggggga ccacggtcca cactgtctca 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 tgggtgnttg gcaaccact gtgnccattg gcatgctgct 120
 tcgcagtaca agccagaaaag ccaagcagac tcccaaagcc tgcagagggc acactacact 180
 gagntactta gagtgagggc tgggtgctcca ggcttgtggt tgttagccag taagcgctcc 240
 ttgggaacct nctgagccag gtgcntnctc tgaacctagg ggctgggttga 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 cactgaatc tacaagaatc cacaagcatg ctaaaagtaa attagcttcc 300
 tcttgaagag ttagaccca gggttttaaa 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
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 cgccagtaag cttaaagcta acctaattgtc ggaaaccagt ggtagtatac ctctgtgcag 120
 tgtattgccca aagctgatca gctaattggac cactcagact catacatagc tatttttaat 180
 taccttacag acatgcaaat ggaaaaaaaa ataattgaag cccattcacc gatggatatg 240
 tttttgttag acnttttttt ttttaacaag gcagaacatt tttatatgac tataaacaaa 300
 tgcttcaagg gctaattgtct 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 ggcaaatgt ctgcaactcc agaaactgtc 60
 ccttactctc ttctgcctct tgattgtcat tcnntggaac ttggaatgca actttttggt 120
 ctggctncca gctttcaaat ttctgatgaa catatccatc tagcagtagg ttctacatga 180
 ggттаagtaa 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 agaagggggc catgtgcccc 180
 acattgctgc ttttgacttc tctccttctt tttcctcttc ttcctccgct tgggcaatac 240
 ttcaaattca cgaagatcca ggggtccccag tgtcagctct actagctcca actctacttc 300
 ggagccatct tcttctgag actcggaacc tagaaaagga tatgatctca gatctgtcta 360
 aggaataggg agagggtaga aagatgtggg cttcctcaga tggggtttaca 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

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accagtgtgc gacatccttc aaggacaacg acaccaagca tcaactgccg gcctgtggtg      60
agggcttctg tgacagctgt tcatccaaga cccggccagt gcccgagagg ggctggggac      120
ctgcgcctgt ccgtgtgtgt gacaactgct acgacgccag gaatgtccag ttagatgtgg      180
ctgaggcgca ggcagatgat gaaggcnngn ngntgatcgc caggaagggtg ggcgaggccg      240
tgcagaacac cttgggagcc gtggtgacag ctattgacat accactaggc ctggtgaaag      300
atgctgccag gccggcctac tgggtgcccg accacgagat cctgcactgc cacaactgcc      360
gcaaggagtt cagngtcaag ctctccaagc accactgccg agcctgcgga cagggttctt      420
gcgacgagtg ctcccatggc cgcagggctg tgccctctcg aggctgggac catccagtcc      480
gagtctgctt caactgcaat a                                          501
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<210> 9535

<211> 517

<212> DNA

<213> Rattus norvegicus

<400> 9535

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taagctcacc tatactccca tttttaatga atatatttcc ctggtagaga agtacattga      60
agagcagttg ctggagcgta tcccaggctt caatatggcg gccttcacca ccacactgca      120
gcaccataaa gatgaagtgg ctggcgacat ctttgacatg ctgctcacat tcacggattt      180
cctggctttc aaggagatgt tcttggaacta cagagcagaa aaggaaggcc gaggactgga      240
cttaagcagc ggcttggtgg tgacttctct gtgtaagtca tcttctacgc cagcttccca      300
gaacaaccta cggcactaga tccctccttc acacagtggg tgtgatggat atgaggtcac      360
cagcccagca ggctcagaga aatatgggct aatgacagat gcctcctgca agaccactg      420
tgccacagcc cttcgttcat gtgaagtatt gacgagtcct ggaaaacatg actgaccctc      480
ctggcccttg tcagaacctc cttcctgtag tcagtaa                          517
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<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
 ttccaagggt ctctggatcc tgtgtgggtg ttgaagtgggt gtacgaaggg ggagaatctc 60
 tgggatgggc agggcctttg aagagtgggg gctgggtgaaa cacaagttta ggaatgaatt 120
 taaccatcct gagtcatgta tgaaattcac ttctagaggt gaaccctga tttcctcaag 180
 cctcactcgg gacagaaggc accatccagt tcagccttct gccactttg cctgatcccc 240
 aggcttgggt accaggcttg atgtttgatc aaggcttcca gactatgcag ggcgggtgcc 300
 agggantggg atgttgacag caggctctgc agcatccact ttgntcagcc accaccctc 360
 gctcnacctc ttccagcaag tgagcatcct gatggcttca cctccccgtg aagctccagc 420
 aatgatgggc gtcctttctc atttaaaaat gtagatttta gtattcaatg tttttatggt 480
 gggcactgaa gcagttctta gaggcataaca tggcagtttg ttctccgagg ac 532

<210> 9537
 <211> 274
 <212> DNA
 <213> Rattus norvegicus

<400> 9537
 ggggtgtgtgc aaacctctgt cctgcggctg ggagatcaca gacagcctgt gtgtgggccc 60
 tgtcttcacc ccagcaagca tcatgtgagt gggcctgctt tcccagagaa tcccagcggg 120
 gccaaaggaga tgcctccgga gaggtgggcg aggcagcgag ctggtaccct ctggccagga 180
 ctctggtgct cgctctgccg cccacgctc 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 tggacagggt ataaacaagc agatgggcac accctaggcc tccctcaaga 180

gactgactgc cttatgatca ctgggagaga caaatggcct gcacctnta 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

ttttagggtca atggaacgtc gcttgccaaa 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
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 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 gctgagtgtc 300
 ctaatggcca tagatcctgg tggcattgaa taaagggcac gtgatgggct gccttgcctt 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 caagggcccg acgcggcgcg aacagcagct 120
 acgcaccaac tacacagtgc ccggcggcca cgagcgcaag gtggcacaga tactgtctaa 180
 cgggcaacgc aagcggcgcc agcgccagat gcaaccgcgg ccacgcacac gcctcgcattg 240
 aacgggaacc tgagacagga ggatcttgag ttggagccca gcctggacaa tattgaaacc 300
 tggaagacct gctaaaagta ttttccaact ctaactgagg tcctccgtgt tggtaactg 360
 gactttttga 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
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 tgaaatcaga acaaaaatat ttgatgtgtg ntctctccat aactatctgt gatgatccaa 120

attggtgaga catatgccca ggcctacca tgaaacacag tgttgtatta ctcttgcccta 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
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gagatcctgt taaagaatca gcccaaactc attgagtttc tgagcagctt ccagaaagaa 120
aggacagatg atgagcagtt cgctgatgag aagaactacc tgattaaaca gattcgagac 180
ttgaagaaag cggcccatg aagacggtcc tgcctgaca gccatttgtc tccctggccc 240
tttgttacag tgttgtttca aagtctctgt tcttggaag gctttgaaa ccctgacctt 300
ctcaactgat tgttcaaggt cgatgaaata caaacatttg agtggaaaa atcaatctag 360
aataatacat tcattttaat caagnctgtg attgcttatg naatcaacca ttatattaaa 420
tattggataa agacagtgtg agttcagaac tggaccttag gtcaccagg acatcaaadc 480
agggacacat gtgttttttg 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
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 cacgcattgg catgcagctc ttacttttaa tgctcaacgt attcccaaatt gtgatgtttc 120
 agagatgtat tcctcagtat ccatgtgact acctgtttaa aagttggttt gatgctttaa 180
 cagcacttcc catgtcctgc tgccccttgt tctcagagac cctcctctcc caccgggtct 240
 actgactcat tgccacnta gattgtccac agggatcaga ggtacttttc ttgtaacctg 300
 cagggag 307

<210> 9545
 <211> 120
 <212> DNA
 <213> Rattus norvegicus

<400> 9545
 cctggcttca ctgggatatc tcggggaggg ggcgcttggg gccccaggt gtcttccaaa 60
 atggctaaga acaaggactt gccagaaagt tcactctcac 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
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 cctaagctac cgcgtactcc aggagaagaa aagactaaan ccttaaaaga agagagcact 120
 caagaagcag cagtcctgaa tgggtgtttca taactgaagg aagttcctag ttacagttt 180
 ttttacatta cagttacaat agtgcttgta caagcttgcc aaanatagaa tanggatcgc 240
 cagntttaca 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

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 gtggccagag agaccctgcc agagcccaat tcacaaggtc agagaaaccg ggagaaaact 120
 ggtgagagca actgctgtgt gatcctgtaa catcgctgcc agcgcagggtg tggcagtctg 180
 ttaccactgc ggggacagag gagactcggc agcttccgac acctgtggga cagtcgcccc 240
 cacatncaga ctgaaccact catgagctct gtgatctctc ctcacaaagt aaaaagaacc 300
 aagaacattht 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 ggcagtgccg gaggcgcacc tccaacacgg gcgagagcaa cgtgtggccc 120
 ctgaataagt tcctgcaggg ctacgactg ctctgttaga actcaaagtt tgaacctatg 180
 tttcccaggg gacattttatt tggagttggt gaatathtag ggtgtgtata tttgtacctc 240
 agaggaaaaa aaaagattga gtactttcta accctttctt gaattcacat tgactaatga 300
 ttccctgtgt gtcccatgtt actctcacc cgtgtgtttt attcctcgaa cttcgtctctg 360
 acagcagtga aggtattgga ataattctta gcctagacct cattgtctata gcggttgtga 420

<210> 9549
 <211> 206
 <212> DNA
 <213> Rattus norvegicus

<400> 9549
 aaaactgctc tgggtacaagc gcctcctgct ccagtaacag ttacagaaac cccggagcca 60
 gcaatgccta gtggtgtata caggcctcct ggggcaaggc taaccacgac aaggaaaacg 120
 ccacaaggac caccagaaat atacagtgc 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 atgatacctgg cacttgggaag gaagatatga agctcaaggt catccccagc 120
 tacacatgga gttaaagggtg 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
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 ggacattcga gactcttgcc tctgagctc ctgtccaaca gccagcagca cccagtgaa 120
 gaaacggaca cctcttntaa tgaagtcctc agctgatcca gaccgtgggc tctcgttatt 180
 tgtatatata ctttttaa at gggctgacct acgatgctgg gcttcattgt ttttattctg 240
 taattatgat cagtgcctgc tgtttacaca ttgtgtat tttt aactacaaag tttttctttt 300
 ttacagaga caaactataa atatatgtat atcaactata ggccaactaa aacttttttc 360
 aaatatttga gttttatact tttagtgttt acctcaatat tattacctct tatattttga 420
 tgtcttaatt gcctcaaata 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

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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 ttttaaattgt      300
gccctTTtag caattggaag aaggtaaatt gttcttaact agaagaggTT tggaactTTt      360
atttcatttg ttctgtcccc ccatttccag tctcacggtc ctctattgga aaaatgcagt      420
gccattTTaa aactttgcta agattttcca gagacttctt ttaaagctcc ttttgcccat      480
aaacattTTc gcaatacatt gctttaatgc ccacatttcc atatt                          525

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<210> 9553

<211> 502

<212> DNA

<213> Rattus norvegicus

<400> 9553

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tagatgccca cgcttgacc aaatcacgca ggcccatcat ccggcccaac agtggctTTt      60
gggagcagct catccattat gagttccagt tgtttggcaa gaatacgatg cagatggTTa      120
actctcccat gggactgatc cccgacatct acgagaagga gaccggtatg atgattccac      180
tgtaagccag cccgccagct cctgaactgg ggtcggccgt acagctcttg tcattaacag      240
caccgccagg 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 aagtgtatc ct                                          502

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<210> 9554

<211> 302

<212> DNA

<213> Rattus norvegicus

<400> 9554

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gaaaaccact cagaattttc tctggtcctt aacagaaaag aatcaaagta ggaagcacag      60
tagctgccac atctgttcaa cctctgggcc tcccaagtac accagagaaa acagatcaat      120

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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 ctcacctctg gtgtgctgtt gctgctgtcc ctagcccagg 60
 gnaggggtcc agcgaaaacg gagatatgaa gtccaaagtc gtcctgaggt caaggagtgc 120
 gagaggaagc ccaaattgta tctgtgcaga cgccactgtg aatcggacca agattgtcaa 180
 gccaaataaca tttgctgctc caccacgtgc gggaacgttt gcgtgaacct gctggataat 240
 agtgtgtggg agacgcctgt caccctccc ccggacatcg tctaccgga 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
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 cgattccaag ccagagggga catgaccac 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 atcancaggt ctatgagtnt 360
 ctgtggaccc cngccttcaa nacactgtna ttcagaaacn aaatacacac ctgaaaggaa 420
 ggtttaggta cgtttcattt atgtttgtgc catgtttgct gctt 464

<210> 9557
 <211> 342
 <212> DNA
 <213> Rattus norvegicus

<400> 9557
 gaagtgtact tgggtgctctg ggtcattcgc aaacaactaa gagagctggc tcgcaggcaa 60
 gagaggcgca gacggcgccg tatgcggtct catgcctccc atacttcccg tcaactccgaa 120
 tcagtgcagg gcctcaaaca tgatgccga agtccccctct aggcagggga gccccagatc 180
 ctttgaaagt ctccacctca ctcttacgga aggttgacag gaagggttca gtggccgtca 240
 ggccagaact gctgggtgagg agaccatggt gtcatatctc actggaaccc caagaccagg 300

cctgggggttg aacacgctcc ctttctctgt 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
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 gccccacac tgcgggctgc ccctccaccc cccgagtcca cgggtgcaccg agcccaagtg 120
 cccacaagag cctcgtctgt ccagccgagg gccagactgt cttgaagcca gaagagtatg 180
 aagtggagtg aaggcccctg ctctgagaag cacacntgtt gtaactgcat cttttggaat 240
 cttttttggg ggaggggtggg gatttatgta ttttgtttca aagattctct ggtcaggggt 300
 cccccagggg agttctgaga aatttgcaat ttcttaccag ataaaaaatg aaatttgcct 360
 ntagtatccc tccccatcc tcttgTTTT agttttaatt tattggctaa actgatgttg 420
 gcaatctgtg aggtgtgtca aa 442

<210> 9559
 <211> 418
 <212> DNA
 <213> Rattus norvegicus

<400> 9559
 aagcagcgct gagtgtcttg agcctgttga aaaagctaca ggaagatctt ggaagagggg 60
 tgctctggct ctgtgtgcag aaggatgact gccttgctcg aggggaatccc ctgaagcctt 120
 agctgccaaa agaattcttc tcagtggcca agattccgtc agcagaacca tttcctcaga 180
 ccttttcctg atcgtgtcag tgggatactc aagccatgcg ctcacagcct tcattttata 240
 accttttgat attcatactt ggtgatcaaa actaaactcg aggtgggttg ggttttttat 300
 agttttaaca atgtatcttt tgtatagatt ttttaaactt aggatggtaa attcgatgtg 360
 atttttcctt tttttaaatc tgagattggg tgaatttgca tatcatgtac taccctcc 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
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 gcgtttttccc cggggagcag atcaagcctg cgcggaggcc gtggactctc ctcaacttcc 120
 tgtgctgggc cacattnctc ctctctcccc tcttcagctt cgtcctgggc gtctttgcc 180
 gtggatcccc tctcctcatc ctgacgttct tggggtttgt gggagcagct tccttcggag 240
 tccgaagact gataggagt actgagatag agaaaggctc cagctacggc aaccaagagc 300
 ttaagaaaaa ggaataatta acgctgtgat tgaacacca tctcctgacg cggatatcaa 360
 ttaactcaat taaaacagaa cacccaagag cgagggaaag agacacttag agactatatt 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
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 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 tgggtggcatg 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
 tgtgtttcttg 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
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 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

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catcgcgtaa aaataaagta ccctcaaacg aaattttntc agaaccacca ctttcaaaac 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 cacttgagcgt cct 203

<210> 9568

<211> 258

<212> DNA

<213> Rattus norvegicus

<400> 9568

atgtgtgtccc aagagtcagg ctactcagca ctacggcatt ttgcacagtg cattttgcac 60

accactgggt gggcctggct tatgccctca gaacctggag tgcttgagtg tcccagggtca 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 cgggtgcttag gtatgagaag gagcgacagc tggatgaggc agtgggaaat 60
 gtcacgcggc tgcagctgct ggactggctg atggcaaacc tgtgattggg gcccaccgg 120
 tgttcctgca gtgggccgag tccctgccct ctacagcccct ccctgccgca cagagcccta 180
 aagttccctc cataccaccc aactagaca 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 gccaccctg tcttaatttc tgctgaatcc catTTTgagc tgagagccca 240
 ggTTTTaata ttgttatttt gaaatgtttg gagtgttttg gacttgacat tttt 294

<210> 9571
 <211> 243
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <222> (26)..(26)
 <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> (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
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 cagtgccttt ggtttggctc cttgtccaga gctgagcttt atcacagagg tcttcnngct 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 ctcaaatca ctggggatgg ctttgactcc cagcgctata aattcctgaa 60
 ggcgctgaaa gatgaaaaat tacaaggact gaagacgacc aggcaacctg gaaagtcggc 120
 ctctttctcc tgaggagctg cccccgccc ggagctgggc agccgcctcc ttaggtgtta 180
 gtgcttagat aatgtgtcct agttgttgtc atttcaaaga tggttatatt ctgttctgta 240
 ttactactg ttattgttgc tctcagcaca tgcttcacat a 281

<210> 9573
 <211> 277
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <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
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 gtgcacccca gacatggctg ttgagctcaa catccctacg caggagctgt tccctttnta 120
 gatagcagtg ntgcctcctc tcctccctcc tctnttccca gcaccagggg ttttggctat 180
 tgacttacaa gatggcgtct ctattataaa tctgatccac agccctcctc taccatctc 240
 ccttgccgct tggactgagc aggaatcccc agtccag 277

<210> 9574
 <211> 288
 <212> DNA
 <213> Rattus norvegicus

<400> 9574
 aggccaccg 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 gcaggggtggg 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 ctatttgcac 300
 gt 302

<210> 9576
 <211> 290
 <212> DNA
 <213> Rattus norvegicus

<400> 9576
 aagttgagag actcactcca cttccagtag ctgaatctgt gtctcttcac acagaacttc 60
 taccagagacc tctgaaggct gctggctccc cacaaccctg cagcatcctt gtggctgcac 120
 aaatctgggtt cctgctgtta tttatccccg aagctccaca gtgggcccga gggtagagcaa 180
 ccaggccttt aggcgttttt cactcagggt ttactttcta gatacagccc ccactcctta 240
 gtttaccatc tgcactcttt 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
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 gtatgaacag aaatgctcct caaaggggta ttcaaaggag acactcattc aacctctcaa 120
 acaactggat taagctatgc agcctcagga gaccctgaag gttctagagg cagcaggcca 180
 tggctcttga 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
 gaactttttc taagactctg gatggaacca atccagaatt cttgcagcac cagtgtacca 60
 cacagatggc agcaacctct tcccaactac acttgctgcc atgggtcctc taaagatcag 120
 acctataggt aagccggggc tgggtgctggt gatggccaga ctgtgcctcc tgccagccag 180
 ccacctattc agacctaaag cccttgctgt acctgctccc caggggtctc ttccacctga 240
 gcttttagcag ccaaccccca acttcattgt aaacccaaac atgatgaaaa attctagatt 300

ttatgtcttc ctttgatg 318

<210> 9579
 <211> 321
 <212> DNA
 <213> Rattus norvegicus

<400> 9579
 agccttctct cctgatgagc taaagctggc cagtgcctgg tactctcgta tgggtcaaagt 60
 ctgggactgc ctcacaggga aatgccttga gaccctaaag ggcattgctg atgtggccca 120
 tgcctgcatt ttcactccaa atggcaaact cttagtgtca gggattgctg acgcgacaag 180
 atgacaagtc tgctgaaagt caagaacttc atccatgtaa cttaccacaca ggcctaaggt 240
 aactaagcca ccagatctcc aaggcaggga ctaccctagc ctatcccgtg aggtgggtgt 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 acagctcgtt ggccagcagt 240
 gcaccacttg agaatttata agaaatgcaa actctctgat ccctgctgaa taagaaactc 300
 caggggtggag tacagcaacg tgtgttttaa caaacctca gggaacatga tgcattgtaga 360
 acctggtgaa cc 372

<210> 9581
 <211> 348
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <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
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 actgcctcac gtaatcaaca gcacacaaga cacctgttcg tccacagcca gcactgacaa 120
 tcgagaatca gaacagacac catcatagcc taccacaaat gcccttttcc ccgtttttcc 180
 attctctccn tcttcccttt cccacagntc ttgtctgtgt acccaggctg gcctctgact 240
 tcaggttcct aagtgtctggg atgtcaggac tgcctaaccc tgcagatacc acaaccctt 300
 ctgagatgag ctgagggaga tcagtactta gtaaattgca gggtcctt 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
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 attgtattgg tgacatcttt ggctaattctg gctgtatatc tggtttttgt caaaatagan 120
 agctacagtg atctgatgaa aaaggacaga cttcttgtcc tcttcagcca ctggtttctt 180
 cagcctatg gcttaatcgc actctccaga gggcagcaac ttgaacaaga tctgtctcctt 240
 ttaactttgg tgcctttccc cactcttttt tactttttca 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

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<400> 9583
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tcagagattg cggaaaggcc cagtacgggg tgctatatct acggactgtt cctggaaggc    120
gctcgctggg acccgttcga tttccagctg gctgagtgcc ggcccaaaga gctgtacaca    180
gagatggctg ttatctggct ttgtccagta gctaaccgaa aggtccagaa ccaggacttc    240
tacctgtgcc ccatctacaa gactctgacc cgtgctggaa cattatcgac tacaggccac    300
tcaaccaact acgtcattgc tgtagagatc cccagcaacc agcctcagcg aactggata    360
aagcgtggtg tagctctcat ctgtgccctg gactactaga c                        401

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<210> 9584
<211> 369
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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ggtgtgttac acaggaggaa gtagtccgtt gttatgacac caccaaagag aagtcaagga    120
agaagtaaga gtcagagttt cctgatggct ccaaggaaag agattcgggt tgttgcacgc    180
aatgttaacg gttttgtcag gaaagactgg cgccagcagc tggacaccag aaaacacatt    240
tctgtggcct tagccgacca gtttgtttagc agctctctgt ccctgtgcgg tcccagggca    300
taggcgtcaa gggaanccat tctcccagct tgtntgcagc gcttggccca acatctgttt    360
accttgтта                        369

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<210> 9585
<211> 451
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature

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<222> (164)..(164)

<223> n is a, c, g, or t

<400> 9585

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ctggaagcac agatggcgctg tttggaccag ttaaaaaccc ctggacgtat tcaaagcagt	120
acagagaaaag aagccggcag gatgcacagg aggattcaca ctgnctgata actggaggaa	180
gctcgggcg g cagcgcagcg gctgtggctg cgttcacgtg ctttgcgtaa gatgctttgg	240
tctgtgcgtt aagccccgcc caggcagcgg tcacgtgctc tgcgtaggct gctttctgta	300
agccccgcct aggtacacat ggtcaaaacta catgcaaaac ccagtgcacac tggaattcag	360
accctggtcc ctgtatttct tttgggtgag ctgtttgtgt tcaaaggtat attgaaccgc	420
caagggtact caacttttagc 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 ggacatgccca ttcacaatga ctacaaagcc ntacagtact	120
ttcatcccaa gtcctcact cgagacactt cccaaatacc gtcctcaac 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 caaccacag 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

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 gaagacacac aatgtctgcg catcggcctc tgtgcatgag attcatgagt cagcacttcg 120
 agccaagaat agaagacagg tggagaaaag gaagctggct gccagaggc agcgggctca 180
 ctcggtggat gtggaaaaga accagagggg aaagccgtcg tctgcggaga acccgtggct 240
 gacagagtac atgcggtgct actcggcgag ggcgtagatc ctggggcatc ctctttcaag 300
 tgttcgtgcc agcgaaggaa aacagaanct anctaatac nccacntacg ggtgggagag 360
 actgactggt cntgcaaggc ggctccccctt 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>
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 <222> (316)..(316)
 <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> (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

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 ggcttttggtt acagtcccc aacgaagcac tgcagctggc ctctctacag gccggcaagg 120
 ccggcagcac tgttgaacc tccgccttgc agctctccag ttgtcttccc tccctgttcc 180
 cagtggcaag agtacagcag ctgctaacac actgctccat tacttcagta aggatttcct 240
 ttccgcgtctt atgtctgctt gactatatgc ttcttctctc atctntaccc caggcagggc 300

ctccccctgg acggcntaga actcactgcg ggcagactgg cctcagantt gtaggatagt 360
 ggatcatncc aggaaatttg gtaaggtgga gtgggggtctg ttccccaggc atacacacct 420
 gagatggtat gcagctctgc tccctgcaa atccctggcc tgccagactt cccacntaag 480
 aaaacatgag gcctcaacag ttctccatgn taatgaggta cntngaggcc ctgcaaaagg 540
 tgtctgac 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

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 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>
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 <222> (52)..(52)
 <223> n is a, c, g, or t

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 aagcaagaaa ctgttcagat ggacattaga atcgggggtt tggagcacac gctgcttcag 120

tcaaagctca aggagaagtg taacatgacc agagacatgc atgcggctgt caccacagag 180
tcagcaat 188

<210> 9591
<211> 339
<212> DNA
<213> Rattus norvegicus

<400> 9591
atagtggaga cacctgcctt ggcctctgag cggcagagga cccaggagtc gcctaacatg 60
ccagtgcctc cactctccat gctgcgcac aagtccgaga atggggaaca ggccttcctg 120
ttaatgatgc ggcctgagga caccattggt gacgtgcgaa acctcttagc acaggccagg 180
gacatggatt cagctgcctt tgaaatcttg agcaccttcc caccacagct ctaccgggat 240
gacacagtga ctctgcaggc cgcaggcctg gttcccaatg caacactgct cttacggact 300
cgcagggttc tgccagcgaa cccagcttt 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

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ccagaacatg tttgggatgt ggaagcctat ggtattcttg gctattgcag cagtagctct 120
gtatgtgtta cccaatatgc gaccgcagga accagaattc tacatgaatt gatggcagac 180
ctggaccagc ccagagggca gatccccaga ggctaccacc ctcacctttg ggcagngtac 240
actgtgccag aacccccac 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

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 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
 ctgtcgcggt tgtgtttctt atctggctac ataggc 396

<210> 9594
 <211> 371
 <212> DNA
 <213> Rattus norvegicus

<400> 9594
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 tccctgtcag cctcttaaaa gagaatcctg tcttttaaaa ggtaaccaaa acgtttgttg 120
 acgtgattaa acttgctttt aacaaatggt ctttaaaaaa ggaaatgaac tagacagagg 180
 agaagtgcac 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

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cttgттаacg aggtctacga ggtggacgaa accatccaga ctctgcagca gcgcctgagg      180
gattcggagg acaccctgca gtccttggcc cataccaaag ccaccctgga gcacgacttg      240
gctgtgaaag ccaacactct gtacatcgac caggaaaaat gcatgagcat gcgcaatagc      300
taccacagca ccctccggct ggtcggcttc tgttagggac cctgcgaaga gtagttttca      360
tattcctaaa aaaatggtag aagggaactg tatctcagca cctgaat                      407

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<210> 9596
<211> 445
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

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<400> 9596
ggagccattt tccatttgcg acaatttgtc tgaactcttg aggacaatgc aggatgagct      60
ggaccagatg aatatggagc acangnagct 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 agcgcttttc agaaagacag      360
aagttttcaa ccggtgaagg ttcacagtct gcctccgagg ctgaggcggg acgacgtcaa      420
gtgggagcag tgaccctgca aactg                      445

```

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<210> 9597
<211> 388
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature

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<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 ctcagttggt 180
 aaacagcatc caggggaagta gaggtccat 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 atgcccagg ggacgacccc 60
 atgggctatg agagcagtgc cgagcggtag 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

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tcgtaatggc tctgttcaaa ctgagcacat ttgcccntt tttcttcct tttcttggtg 120
ggatgggata aatgggattt ttttttaa at 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

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<210> 9600
<211> 546
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

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<400> 9600
ttatagcagc aagaacccca ggacaatctg ttaaagtttt aaagtctctg cagtcccacc 60
tggctctgtg ttttgtgttc taggttggcc caccttgggg gagtggggac cctgagaggg 120
ggcaggcttc agtatttgag ttgttcacat actgcagtta tttttgataa caagtacttc 180
ctgagctttg ttttgttttc ttgcctgtac ngaggtaaag ttgcttcatt agttaattta 240
taaaaataca tgccattgca ctagctgtat gtgaggggaac attcatgaaa ctatacatag 300
gttctgctgt tgtggttagac 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

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<210> 9601
<211> 473
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

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<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
 ttaatcttcc cgaacatgct ggtcctgatac tggcactcag ttcctctggg aagtgtcctt 60
 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

gcatcaagaa tgagctgaca gtccaggtgt cttcgcttca cgccgcattg gaacaagaaa 60

gatctaaagt gaaagtnnta caggcagaat tagccaaata tcagggtggc aggaagggga 120

aaaggaactg cganccggac cagtgtaggt gatcgtggcc atggggggcca gcacagaaag 180

ctttcacact tctgcagaaa tgttgtgtcta 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

tagacatttc tacacactca ctgagccaga cactggaggt cacagatggg tcagacagga 60

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ctcctgtcct ccagggtcgc atgtttaaca ggggatccaa acatacgagc aggtgactgc 120
tgtatgaagc gaaggggcag gantacaggt gcaaattcat atttactgct taactttctg 180
aagtgtgctg acttgatfff ttttttntg aatcatggag agctgtgtgg agggacctgc 240
tattattatg gtaaagtctt ttttaattct ccagattatc tagatagtgt tttattttgt 300
gtggcttcct atttagtacc atcacagact ctgagaaaaa aaaatattct acactctggc 360
tctcacatag atgagaaaga antttagtga agtgggcaaa agcagttgtg aagagaatga 420
cttaattggt tttcttggtg ttncatggg acaggntgac agtttagagc attttagttg 480
atagataagg aacttgcggt ttaacagtgg ctc 513

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<210> 9604
<211> 313
<212> DNA
<213> Rattus norvegicus

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<400> 9604
accagtgtc tggacttttt aaagcatcac ttaggagctg ccaccccgga gaaccagaa 60
atagagctgc ttcgcctaga attggcagaa atgaaagaga aatatgaagc tactgtagaa 120
gaaaataaaa aactgaaagc aaagcttggt cagtatgaac cacctcagga ggagaagcgt 180
gctgaatagg attcttctca gttgaaaaga cactgaaaac tggttttgta tcacttgaat 240
agcttgtata gtatatgatc tttcctgaaa agatgctata aacttttaat atgttaaatt 300
cactcatcac act 313

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<210> 9605
<211> 525
<212> DNA
<213> Rattus norvegicus

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<400> 9605
atatggtcta gtagctctct gaggttgct ccatcactgg gtaggggggt tctctccct 60
ggaccatgtg aaacagctaa tgtaggacg ggtaagggat ttcataatgc tgacttcact 120
actgatagtt gaggcatact tatttgcatt cctcacaagt tttataccca cacatgtcag 180
tgtgggtaca tggtagtcca gtttcaccac tgaagtgtt cctttacaca ggtttgtcat 240
cctgtctgct gacgtctttt agttaagacg tgttttatat ccttccaagt tcactgtctt 300
acacatatgt ctttgagagg ctgtccaagc caggatgaaa tggccttagt caaacatata 360
tactgggtac tataaactca ccacgtatgc atttgtggtc tttgtttaac ttcctgaaat 420
tgttcctgct ttgtgttgct tgcctttaaa agacactgag aaaatacagt gctgccatgg 480

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tattgaccag cagccctctc atatttgtct ctgcatctt 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
 atatcaaatt tatggctgta tgctangtat tattaaatgn agcnttgcaa ngttatttat 60
 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
 tccctctcaa agtctctggt atgtggatta ttattctgtc tcaaattttg ctgctactca 60
 agaatttttg acttagcgaa gaaataaacc tagactccca gcctgttctt gcccttacct 120
 tanaacctca gatgtggact tggacttggt gtcaaatcgc catcccatct gcttgaagac 180
 catcagtagg acccaccctc agccttgggc cacaccaggt cagggctcat caggcttagc 240
 aggaaaactg aggccctgag aaggatgtgg agccagggag gggggaaaga ggcgagactc 300
 tgtccagggg aaggacagga gggacagtcc atctgtccat ctgctgggcg gagcaggagg 360
 aaggtcttta atgaaacatn tcagagaaca ggggtgggtct 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 gcagtgaag ctggactgag cattagcaga ggactgccag 120

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tttccttggg ttagttgtat aaccatgtaa ccatgctggc agggttgggt agctatctca 180
gatacatctt tacagtcctt tgtttaagga gacagctcat ttgtaacttg cacttttaaaa 240
gatggccntg atacacctga agagaagcng tccagatggc actctgtgct ctgtgataca 300
gtgcatgctt agtgccgtgt cctcggcgtc tactgcagta attaaatgat tgagcttgaa 360
gtgagtctca ttggctttca tgggaagatg gatgaattcc acagagcaac agct 414

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<210> 9609
<211> 469
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<400> 9609
ggagtagcca gttcactctc agaaaaaata gtngacaccn ttgggaacag tcggccggcc 60
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

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<210> 9610
<211> 268
<212> DNA
<213> Rattus norvegicus

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<400> 9610
gaatcttctt ttactcctga cgtagaagaa ggtctgcctg ctactcaggg tgctgaggat 60
atctttcatg cttccgcacg agctgaacca ataaaccaca gcttgatcct tctcagggag 120
agtggatatc ttcgggcaac agagatacca cgcatacctt ttttgctctt catatggctt 180

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atatacctcac tcttatccat cataacatgg atgaaaatcc aaattcaaca agcatggcat 240
gaagaaaatg gccaggagc 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
acagtatgtg gctcttgccg gtagtcgcca tggcagccgt gtatttgatg ccatctggag 60
tggagcagct ntgggggctc ggaaggagat tgctgctgaa ctgggagagc agaaccagga 120
gttgattcaa gatacctttg gccaccacgt ggctcgaaat gtggccctga ctaccttctt 180
gaagcggcga caggcttggg aacagcagca aaattctgtg gccaaagcga ggcgggctt 240
gaactctata cttggagact gaggcctcga aactgggaat aggtgttgat ggggaggggtg 300
aacggacatg cttatcattc ctggtttaaa tgggagccaa atgtcttaca caaaactgta 360
aaccactac 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
ggcaggcaca ttccagagct aagtagttca aagccagcac ctggtctgga ggcactagaa 60
acattaatgg aaccctcag tggatatccag tgaccagtgg agcagacacc cgccccagct 120
gaaaccaatg gcagggttgcg tcccaaattgc 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	
aacttttggg gagatgggca tctgcttcag tatttcttgg tctttttcat gataccccat	60
gtgaagagga tgttttccta gcatacaaag gacaacctgc caggctactg ttggccagaa	120
cactgtgccc tcctcccaca ttctgttgag gcaccagtat cccgtctcca ggaaacctgc	180
ttgcagcaca ctttttgaca tctgtcccg gccagaggc tgagctctag catggcttac	240
atgtgtgaga gaagggtgac aaacattccc cctggtgaac accccacatc acgactcctc	300
cttaggggtgg ag	312

<210> 9614
 <211> 394
 <212> DNA
 <213> Rattus norvegicus

<400> 9614	
aagagtttgt atcttcgtgc tcgatgcccg tctctccact gggattgata gctaccaggt	60
ttctagaaga ggaggagctg aggtctcacc acattctaga ggccttgac gccacattg	120
aagaactgaa aagagagagt gagaagacgg tgaggcagtt cacagccctc gtgtagtgt	180
gagcagccac acacagaaga ctggttctaa agatctaaga gcaatggctg caagagcagc	240
actgaggaat ctgcagatcg ggcacttagg tattttcact ggctcatttg aaggactgct	300
tccagtagta acctgtgaga ataaactacc ttgcagactt tctcacatga atatttatta	360
ccacagagca ataccttttc ttctgactt acat	394

<210> 9615
 <211> 309
 <212> DNA
 <213> Rattus norvegicus

<400> 9615	
atggcttcaa cattccacaa gtgacaccct gcccagaagt aggagagtag ttgaagatgt	60

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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

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<210> 9616
<211> 280
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<400> 9616
catcacagag aaagcgggtgt ttgaagtgga tcggagtaag ggactgaagc tcgtggagct 60
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

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<210> 9617
<211> 332
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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
 gcacagccgc atcccattgg cggagngagg tggcgctcgct gtgagnatgc ggagatagat 60
 tctggatcag accacagact gaagtgggaa cccaccccag gtccaccatg cagaaaaanag 120
 gcggaggatg ctggagacag caggggtctcc 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 caggggtacaa 60
 tatggcccaa aacacctggc gcttcaagcg tgtgctccag aatctagtca agaaaggcat 120
 gctcaagcag gtgaccggca aggggtgcctc gggctccttc cgctgggca 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>
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 <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 tggtcattctc 240
 tgtgtggcctt gttctgtggg cctacctaaa gtcctaagca cagctctcaa gcagatccga 300
 ggcgacta 308

<210> 9620
 <211> 407
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <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 cnttcacagc cgaccatctc 120
 accaccacct aagcctacca tgaccagagt tgtttcttcg acacatctgg taaaccatcc 180
 atctagacct tcaggaaata cagcaacaaa catacccaat cctatactag gagtctagaa 240
 gacatttctca cctnataaga aaggaacaag aaaccaaca gaagggaagg aaccagatag 300
 acgagtccag cttagacact actcagacag cagcttctct gttggcctct caggaaacac 360
 ctgggaacag ataagcccgg tatccctggt 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
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 tcttttccct taattatttc tttagggcca tacaagaact aatgaaaatc catggacagg 120
 atcctgtttc atttcaagat gtcaaggatg aaatctttga catggtcaaa cctaaggatc 180
 ctttgaaaat ctcaattcag gatttaatca atagtaatca aggagacaca gtcactacca 240
 ttctaattga tctcaatggc ttctggacct atgaaaacag agaagccctt gttgcaaattg 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 aagtgtcaa ctccaaatgt gaggaagctg ggtgcaggca ctgggctggg 180
 cacagacgca ggggcttcta aggtgaaagg gcgatgcaga cacctaagag ttgtttccga 240
 agcaaacgga taggatatgc ctttgccact ttacattct 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 agcaaatac tgctgttttg atcacacagc 60
ttactgctgc tgttttgtct tcttgagaca ggccttgagc atgtagcctt tcttaaaagt 120
ctcttttaat gatnaccgta ctgttccaac cattnngcac attagagggc catcaacccc 180
tctaaaccca atcattagac tcctttttta tgtttaccta cccatgtcat ccagtctcat 240
gacttcataa acatnccac 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 ccccttgctg ctctgtgga 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
 tcattttcaa 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
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 tcctggatga tgatatggtc cagcagttag gcgtcatgga cgaggctgag gtggtaggca 180
 cggatcttct cttggacaac caagattcag ttttgcttca gggtgataca gaactctaaa 240
 cccccgttc atcacctaga gacacagaag ccacggcctc cacctccgtt tgtctgcaga 300
 acctggactt cctgctcctt tggaaaccct tttaaactac ctgttttaaaa 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 aattaccaa 120

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tgaggaaatg aaggcttttaa agtgcattag tgcgcgaata acaacntaaa aaaggcatgt 180
tttgtgctct tgtcacaaaa cactgctgga cacacatacc tgtgtattta gatagaaatt 240
tggtttaatt tataatctta tgatactaac actgttctat ggcattctta aggaagattg 300
aggcttaggg ataagtgggt agtgacattt tattgaaacc actaagggat ggaacgtggc 360
agattactca gtgtatgatc tctttgtaac atttctcttc ataactgagc ttacacttca 420
tttcttcata tgcagtgtgg atacaaagct tgatgcagcc catttgtaac catggatact 480
tagacacttg agaagagtgt ggctgtgttt gcacaac 517

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<210> 9627
<211> 381
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<400> 9627
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cgtgcttccc agccacgggt gcgcctatgc tacgtggggc aggcgacggc gtggacaggc 120
gcgaagggtgc gcgcgcgaga gagatgaaaa ggatcctggt gctgctgctg cagctggacg 180
cgaggcngca ggaggagggg cgtcgagtgg caggcaggcc ggggggaggc gccaaaggccc 240
agcagtactg gcagccgctg tatgcgcacn tgctgacca acgcgaggcc tgcggcgaag 300

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gcgacccccg cgaggagcag ccgcgcaagc ggcgccgctg tcntcgccng cggccctgag 360
tgtctggcac gaccctaac 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
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tgtctgactt tgttcttcgc catggcttct cacaagacct tcagaatcaa gcgcttcctg 120
gctaagaaac aaaagcaaaa tcgnccgatt ccacaatgga ttcagatgaa aaccggcaat 180
aaaatcatgt acaactccaa gcggagacac tggagacgaa ccaaattggg tctataagga 240
accacacacc acatgtactt actaagctgt ctgaggggta 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 ttttaattact cctccagctc ggccgccttt cccagaggcc tcgctggtgg 300
 tgtggtgcag ctgagccaca aagccagctt tggtacaggc cactgtcat cactgtccct 360
 acagatgttc actgacagca gtgcagtaga aagcatctct ctccagtgtg catgcagcct 420
 gaaagccatg atcatgtgcc aaggctgcgg agcgttctgc cagcagcact gcattggacc 480
 ttcaaagctc tgtgtattgt gccttgtggt ga 512

<210> 9631
 <211> 95
 <212> DNA
 <213> Rattus norvegicus

<400> 9631
 ggcaaaacgg tgaatgaact ccagaattta tcaagtgtg 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 cccaatgcc 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 agggggggtt 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 gccaagcat catcaatgac gatgtgatta ttaacggtca ttctcatgaa 120
 gaggataatc catttgcaga gtacatgtgg atggaaaatg aagaggaatt caacagacaa 180
 atagaagagg agttgtggga agaagaatth attgaacgct gtttccaaga aatgctggaa 240
 gaggaagaag aacatgaatg gtttattcca gcccgagatc tcccacaaac tatggaccaa 300
 atccaagacc agtttaatga ccttggtatc 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 agtcttgcac gcttaa 566

<210> 9636
 <211> 363
 <212> DNA

<213> Rattus norvegicus

<400> 9636

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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
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<210> 9637

<211> 329

<212> DNA

<213> Rattus norvegicus

<400> 9637

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attgaatccc acattataaa gcaggaagac atacttaatg gcaaagagaa tgagattaaa    60
gagttgcagc aagttatcag ccagcagaga cagagtttca ggtgaggggc tgggccaggc    120
tggggggttgt tgatggaagt ggggagcctg acttgtggcc cctaccagg gctgtccagc    180
ctaccaccag ctggctccgt tgcaggaatc acatgtctga cttccggatc cagaagcagc    240
aggagaccta catggcccag gtgctggacc agaagcataa gaaaacctca ggaacacgtc    300
gggcccgtag ccgtcagtgt tccagggag                                     329
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<210> 9638

<211> 411

<212> DNA

<213> Rattus norvegicus

<400> 9638

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gctgatttca gctgggaact tcacataagt gagttgaaat ttcaactgaa atccaatgtc    60
ataccaattg gatacatcaa gaaggggatc ttttatcacc gagcactgct tttcaaggca    120
ctggctgata aaatcggggt tggctgcagc ctggtgcgtg gtgagtacag ccgaggggtg    180
aacgaggtga agctggtgaa cgaggctcgg aagggcatta tcgggaacct tccccacca    240
gacgagtaca tcgtggacct catgtttcac cgggggacct tgctgaagct acgcagcaaa    300
gaggccgacc tctaccgctt tctgtagtcg tcagaggaac acaaaagcac ccaaaccaga    360
gattgtcctc ctgtgttctt taaggggggt ttagccgttt agataacttc a          411
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<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
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 gaggtaacca gcatacatgt aagtaggcag agtcttcagc ttagccatcn atatatcctt 120
 tgacagtatg cctctagagt ccagcaagat ggtaggcag gtaaaggtag ctgcagacaa 180
 cctgaatttg atcccttgaa tccacatata tactgtggta catgtacaca cacacagtgt 240
 aaaattcttt tttaataaaa tgggtctgag gacagcttcc tctagccagg taggaaatgt 300
 ttatcttggg acccagaaga ctgggtccat aaagcccagt gatagtgtgt gaaacaaaat 360
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 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
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tctgnaggtc aggacctnag ttcaccttac tgaccngaag agcaggattc ggggtcccgt	120
gcccctctgt gcagctgtgg caggggatcg tagcagcagg ctatggaaat ggacaagtgc	180
gtctgtatga cgctggcaca ggagccctcc acatccagat cagtgccac gcccgacca	240
tctctgccct ggacctagct ccagaggtgg gcaagctgct gtctgcagct gaggatacct	300
ttgtacacat ctggaagctg aacagaaacc cagagagtgg ctccattgag gtggaacact	360
gccatggcga atgcatttct gacacgcagg tgtgcggtgc tcggttctgt gaccagggg	420
gcagctcctt tgctgtgaca ggctatgacc ttgctgagat cctgagattt ggcagtgtct	480
gagagtggag cagcgggtccc 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	
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aactcgcgag aagagtgcgc ggggcttgga gttgggcccc tggcagcaga tcactcttta	120
ataggatgga ctttgaggac ctgggantgg tagattggga acaccacctt cccccaccag	180
ctgccaaaggc tgtggtggag agcctcccca gaacagtcac ccgtagctcc aaggctgagc	240
tcaagtgtcc cgtgtgtctt ttggaatttg aggaggagga gactgtcatt gagatgccct	300
gccatcatct cttccattcc aactgcattc tgccttggtt 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 ctacctctc caaccagaa 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 catcttgaag aatgccaccg tccgatggaa aacaggagcc tgttaaggaa 120
 caatgccacc tgtcaataaa t 141

<210> 9644
 <211> 223
 <212> DNA
 <213> Rattus norvegicus

<400> 9644
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 ctcagcaatg gcccatcaag cccacttccc agtgaaagcc aagagctact tattgtgatt 120
 acaacgtatt gtgtacgtat tacttatagt taaggaatac tgaagaaata ctaccctgga 180
 caatgtatag ttctctctgg cattctgaga aactgtagtt gtt 223

<210> 9645
 <211> 323
 <212> DNA
 <213> Rattus norvegicus

<400> 9645
 gtgtgcagcg atctctcttg gacctccccg ggggcctcag tctgatcgaa gcagagttag 60
 cagaactggg ccagaagttt gtgagcctga cccaccacaa ccagcagggtt tttgcccctt 120
 actacaccga gatcttaaaa accctcatca acccagtcca gaccctcacc acaaaagtcg 180
 gttccctctg atggcatcgg ctcgagagccc tggcacctca gaccagggg atgacgtcac 240
 cagtgcagcag 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

caagctagct tggaagtcct tatataataa ccctagcaag cctagtgcct cagcctccca 60

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 ggccctaggtg gggccaaaat gaagtgggtg 300

aacttggggc tggacttttt agagggtccca 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 cccagtttt gtctacactg ctgccgtctc tcagagaaaa 120
agctnagcat atcgctgaga aaaagtacgt ggcaggcatc aaactccaac cccgagtgga 180
gaaggacata acgaatctgg agtctgtggt tatgcccgta gttggcatct tgggggaacc 240
tcgaaatcta ttcaaccgc atactctcct ccccttgaa tcagaagaaa atggaaaaac 300
aagcggaaga aattcttcta tagtagagag aaataacaca agtattcaga acacactgaa 360
tttggtcatg tcaaaactaa cttcgcaaaa ctccttcct 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 tcaacctaaag tgtcctctac cttcatggca acagcatcca tcgcctaggg 120
gaggtgaata agctagctgt cctccctcgt ctccggagcc tgaccctcca tgggaacccc 180
atagaggaag aaaaggggta caggcagtat gtgctgtgca acctgccccg taccaccag 240
tttgacttca gtggagtcac caaggccgac cgcagcacag cagaagtatg gaaacgcatg 300
aatatcaagc ccaagaaggt ccggatcaag caggatgtac tctgagattc gcaggaccgg 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
 tctccttggg gtttccctag taccatgctc cttaaaaagt gaagcaaaga aaaccaaaga 60
 gctaatagaca aaagtaatga aacaaaagct atttgaaaag aaaaattcaa gaattcctcc 120
 caaagaacat catcctaaca gctttgaatt ccttaaagcc attttgaact gagtgttacc 180
 ttcaagtctg acaactgtgt caacctacct ggatactagt caaccataag aatgcagaca 240
 agactgaagt aaagagtcag tgaaagactg tcaagtttgc aaccatttt 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 ggtaaagggtg tatctcacgt ggctggcacc cagtgaggaa 60
 gaccaagcca cgcaggagac acagaaggat ccaagagaag aattataggg cgagtgtggg 120

acacgcggat acaagagatt cgccctgtct atggagcgtc agtccgactg cttgtatgtg 180
ccatgtgaag cgggcacttc ccagccctca tggatatgtg gtatTTTTTg gatgggtaaa 240
ctcctagagg gacctgggna aaaaaatcac ttgttttgat tgatgtcttt attgtaacac 300
aacaattatt gtgcctagta tagccaccac gggctgtgac acaacagctc ttigactgtc 360

<210> 9653
<211> 412
<212> DNA
<213> Rattus norvegicus

<400> 9653
ggagagtggc acttcttgca atgacctctc tacttccagc tgcgacagcc agtcagaggc 60
cagctctccc caggagacag tgatctgtgg gcctgtaacg cgtcagggca acatccagac 120
tctggaccgg cccatcaaga aaggccccgt gcagctgac caacagtcag agatgaggcg 180
gaaaagtgac ctgctccgga ctctgacttc cggctctagg gagtcgaaca taagcagcaa 240
aaagaaagct gcgaaggaaa aggtctccat cgaggaagag ctggagaaat gtatccagga 300
tttctgaag 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 ttgggggcg cttcgcttcg 120
 ttagatactg gattcacatc cttcggttct ccgggaaant caggcctttc ctctttntcc 180
 atgtcctgcg gcggtggggc ggcaggnaan tacaagtcgg tgtcaacttc cnccgaaata 240
 atcaatggca aaaaaatcnc cncnagaga atcgtnaga atggccagga aagggtgga 300
 gtggaagaag atggagagtt aaaatccctg ataattaatg gcaaggagca gctgcttcgc 360
 attgataccc agtaaagacg taaagtgtga tgtaaggact atcaggactt tttttgttta 420
 aacgcgtttt caaggagct ctactttcag aacaactgta ttcaagacat tatatgcagc 480
 tcatgtcggg gcctcttggt attgttggga tcgcagggat aggatctctc ttggtcttta 540
 tgctgttgt 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 tgcagccctg gcagtcacc ggaatctctc cttaaggacc tactttggga	60
aggaagctga ggttgccgct cacacncatt ttgatccaca cagagttgaa aaaccaaga	120
accactggat gctggttact ggaaatccca gaaataagtc caacaccatg ctagacatct	180
ctaaacctat tgcagtggat acccgggccg tggagcaggc catgggcac c aatacatagt	240
gacgtaccag gcattcgtgt ggctcttgtc agctgcaggt cttaaaagaa aggaacaatc	300
ttcttggttg taccccaagc agttttacag taggtgaaga attccatgaa tacatcatta	360
aaagacatac cacattaaaa ttactaaatt gatgttgga gcctggctct ggggagcaaa	420
tagtgtttga aaatgaattg tatttgagat taagtcagct ttgttgata tccaat	477

<210> 9656

<211> 290

<212> DNA

<213> Rattus norvegicus

<400> 9656

ggaatacagc tctgagagcc ctccaagttg gtttggtat gactctgaag gcaaccctct	60
tgaagaaacc cataccaaag ttaaaactta ctgagaaatg atcgtcaaag agtcactcag	120
cagtgcgat gaaactccaa actccaaaca ccactaggag aacaaaacat ccagaaccaa	180
caatttcctt tcatttggtg taaatattgt tagttgctgg ttctcaataa caatgccaaa	240
aagcagcacc cctctgcttc ttatttcaac tgcaaatgtc acctttatgt	290

<210> 9657

<211> 307

<212> DNA

<213> Rattus norvegicus

<400> 9657

aggtgtgcc a gcgtgcctg ctgctgcttg acctgctagc gctgtacacc ccggggggca	60
tcgtaggccc agctcgatgt gaactgctag gagaccggct acgctggcag cggctactgg	120
gtgaggacaa gttccagtgg ctagcggggc tggcgccacc ctccctcttt gtccgtgcc a	180
tgcaggtgct ggtcactacc atctcacctg gccgcttccc ggaggccttg gatgagctgc	240
ctctgccacc ctttttgag cccttgacc tctcgggcaa gggttagact cagaggaccc	300
tgacca	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 cccaccttc agatggctca 180

gctctcctgc aagagaggaa cctgggagtt tgactccact ncctgcacaa cagagagagc 240

aacaacctta gaactaggat agtaaaccag ccatggagac tctcgagact cttacttgga 300

aacacgggag gaaagcccac accgagacag cacgtgcgct gtgcgggagc tgtcacttca 360

agctatgctg tcccctttgt 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 ctctctctgt 120
 gaaagcctcc atnttacttc cgctgtttct gctcaagttc cagcccgtgc ccagacccaa 180
 tgatgattca gagaatgacc ctggcaacgc cgagtccact cctgccaagg agaaccaata 240
 atctcttccc tacagaccat gcccaggac tgagtaaagt tcctcctggt gttgagct 298

<210> 9661
 <211> 311
 <212> DNA
 <213> Rattus norvegicus

<400> 9661
 aatgatctgg aatcgactg agagagcatt ccttcccagt gtacatgat cacactcatt 60
 gtcccttgcg tgttcaaaga ttgggatcca tcctagtgtg agctccattt gactcatgac 120
 tctagaagca agagtcttgg ctctcaggcc tgggacagat cttcctgcca aaatcatcat 180
 gacagggctt ccagttagcc taggtcctag ccagcctga gccctagccc caggcccat 240
 cctcaaattc 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 taccacttg tgcgccacga cgatctactg ctgggggact 180
 accgtctgca cctgcgccgc tccctgggtcc gacggcgcat gctcgaagcc ctcggggcgg 240
 agccggctga ggaagattga cgcacagcgg gggcggggtcc cagccgcgcc ccgccccag 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 tgggtgttgcc tcttgctttc tgtcagattc tcgtctgttg 60
 tgggtgactan agatgtttgtc agatatccca gtagttcccc atgtaactgt gtttgtaaata 120
 ggagaccctc ttacccccag tgttatgcag atggacatgt tcatgctttt gaggtatcaa 180
 tttaactcaa ctgatttcag aaaaaaaatt attctgtatt agaacaagat tgttatcgtg 240
 ngacagaatg ctgagtttgt acagattaca cgtagaaagt agtttgcttg actgaatggt 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 gggagaaggc 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 ctccccctcaa tgtggccag 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 ctacgtacca tgcggtgatg agtgaccatc	60
acacatcgga ggaggagctc ctggccatct tcaacaagaa gatcagcagg aacccacct	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 gttgttaca	240
ctccccgcc 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
 atgggtgctgt gtaaacccaa gcttttacct 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 aactggtcac 360
 tccaaactta aaacagaaaa ttcagggtgtt 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 catcaaattg 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 aactgccagc tggcttgctg 60
 gcttaatgca aggctccaat cacttggagg aatctgaccg tcgtcctcta aatgtctgcc 120
 ctatctgctt acgtaagctg cagagtgcata 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 aactcaggc gttagtaaatt 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 tgggtgtttct ttttaagtatt accattatgg 300
 tgctactgag catTTTTTTT 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 ctgcgagac ctcagcacct atcaacagtg gggacncccc caccaccata 60
 ctggagtgat tccaactcag aggacaccca gagctaccat ctggtatntg ccagtttcca 120
 actgactnta cccagcatcc ccctcccccc tttcccataa ttcatgacat caaaacatca 180
 gctttttccct tgagactcag gagggccaaa gcaacagcct ttggcttttt tctctttttt 240
 tcccctctcc cctagcatgg gttgaaggaa gggatccatc cttattgttc agaggcatca 300
 cctccctccc ctaagtcagg ctgagaagga accagccagc tcatacctcc tcctgattgt 360
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 ccattttatg aactgtcatg tgccacctga g 451

<210> 9673
 <211> 492
 <212> DNA
 <213> Rattus norvegicus

<220>
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 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
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 <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

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<222> (74)..(74)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

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<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

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<222> (111)..(111)
<223> n is a, c, g, or t

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<222> (115)..(115)
<223> n is a, c, g, or t

<220>
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<222> (129)..(131)
<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

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<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
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 gttctttttt gagngccngc gaatcctaac tgggtggcann gatatcanga nggangcaag 120
 ccaccagann ncgccctngc ncnnnccng 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
 aagtatcggg gtccttgat accaccacca atctcgatct tggacttcct tgttggtagc 60
 cagccataag gcctaccaac cacttggctt ctcaacatct ctggcctttt cctctgctct 120
 tcaagtcctt gacctttagc aatctgctga gcagactggg aaacattcat ggggcatacc 180
 cgggaagtgt 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 acaaactggt gatagcagca agagaaggcc aacagtcatt 240
ccatctttcc tgatcacaac aagaaatcaa tgtctgcctg ttacagcaaa agaaaaaat 300
catgatttct tttctgtgtc acctgagtca aggaaacatg ttcctccctc ttgtttagg 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
accccgtaa gtggcccgga ctgacagccc cgacatgccc gaggacacct aggtcctgtg 120
catcacccat cgtctgtcag ctgtgtccgc tcccaccac gtgtgtaagc gcagtcgcc 180
tcctacatcc agtccacgcc ctccaacctc ataggacca tgtatttatt ttccttgagt 240
ttatttatgc tgtaactcgt gtcaagcatt ggttaaaggg acatcaggcc cagccgcgag 300
gtgtcggtag atgcttttta aagcacagtg gtgtcccca cctgcagcaa gacctcgtcg 360
ggggccagag cccagggagg gctggcccc caacacaccg agcggccttc tcgctccttc 420
ccaccacag gcccggcacc cgggtccctc ccgtgccag 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 cccagcaaa gtgttcaaga gcaagaacaa 60
 gattttaatc ccaaaaaaga aagggcctgt gcagcctgtc agtggccaga aagggcccgg 120
 gcccttagct cgcctacct ctaaaccttc tgcaggctgt ggaaaccctg tccgaaaata 180
 agcgttctgt cacctcccat cagtaatatc tgggcacaga cagccctgtg caggccccac 240
 catttctctg agagaccaaa gccttaggcc ttactccca ctgttgtag ccaggagttg 300
 ggacaatcac actgaattct cccaggagt ccattcctct gtaggttggtg ccaacctcgt 360
 ctccaaatcc aacgacggct ttcagatgta cctagagctt tcttatgtct gtaccaatc 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 ggggtaccttg tatatgctag acagttgcag tgtggaaggg ctggggccctg 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 gtgagtcctc atagagcttg taactgtcct ctattgtcac 360
 ctggggggggc tgccttgctg ggtggctgtc tctttccctc caggagaaaa ggcggtgtgt 420
 acttgaaaaa 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
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 acaagctgtg caaggtgagg aaggtcttcg tgggtaccaa gggcatcccg cacctcgtga 120
 cgcacgacgc gcgaaccatc cgntaccctg acccgctcat caaggtcaac gacaccgtgc 180
 agatctcgct agacagcggc aaaatcaccg atgccatcaa gtttgatacc ggcaacctgt 240
 gcatggtaac cggagggcgcc aacctggggc gcatcggcac catcaccaac cgcgagcgcc 300
 atcctggctc ctttgacgtg gtccatgtga aagatgcaa cggcaatggc ttcgccaccc 360
 gcctctcaa 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
 aaagcacct at 312

<210> 9681
 <211> 249
 <212> DNA
 <213> Rattus norvegicus

<400> 9681
 ggtgcgtgcg ctggtgcggg tgtgcggtgg ccgcggttgg 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 gaagggtcaaA 300
 gatacaaatg gattttttgc tatgtgattg catttatctt ttgaatgctt gacaggggtta 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
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 tgggttctga cagcgacctt gtcattctggg atccanatgc cgtgaagatc gtctctgccA 120
 agaaccacca gtcggttgcg gaatacaaca tctttgaagg gatggagctg cgtggggcac 180
 ctctggtggt tatctgccag ggcaagatca tgctggaaga tggtaacctg cacgtgaccc 240

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agggggccgn cgcgttcatt ccctgcagcc cattctctga ctatgtctat aagcgcatta 300
aagcaaggag gaagatggcg gacctgcatg cagtcccaag aggcattgtat gatggaccag 360
tgtttgactt gaccaccacc cccaaggggg gcacccagc tggctctact cgaggctctc 420
ccactcggcc aaaccaccca gtgaggaacc tccatcagtc gggatttagt ctgtcaggca 480
cccaagtgga tgaggggtgc cgctcagcca gcaaacgcat tgtggcgccc cctggaggcc 540
gttctaacat cacatcc 557

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<210> 9684
<211> 419
<212> DNA
<213> Rattus norvegicus

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<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 agggctctctg 240
tccccaccaa cggccagtgt tcccttcact gtgaccagat tggagaaatg aaggcagaga 300
tcaccaaact acacaaaaaa ttgtttgaac aagaaaagaa gctgcagaac acagcaaac 360
ttctgcagca gagcaagcac caggagaaaa tcatctttga tcagttggtc atcacccac 419

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<210> 9685
<211> 571
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (337)..(347)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (349)..(351)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (353)..(356)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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
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 ttattgcttg aatgattaca acatttccga aggttgtacc ttgaagctgg tattggctat 120
 gcgtggcgga ccaataagta ctagaaaagt tcctgtggaa gaccactca gggagcttgc 180
 tgagtacatg gattccagtc gagatgaggt ctgggaaaag acctcttgca acaaacaagt 240
 tacatttttg gtataccggg aaggagatca actaaatttc tttcgtgtag tagatagggg 300
 agatggcact ttaacaccat tatcagaatc ttttaagnnnn nnnnnntnn nttnntgtg 360
 nnnnnnnnan nangannnga nnnngcnnnc tccttctggg caacaaatca ttgaaaattc 420
 aataactatg aacaagatga agctgctgaa ggctaagatg gagaacatga atctcagcaa 480
 aaaggtgaag ccgttggtg tgcgccaagc ctttctctag cttacactgg cagggtcgc 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
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 ggggattgtc aataaaatgg ttggccgagt tggagactca ccttgtatag gagctggagg 120
 ttacgcagat aataaccttg gagccgtttc aaccacagga catggggaaa gtattctgaa 180
 ggtgaatctg gccagactcg ccctcttcca tgtagagcaa ggaaagaccg tagatgaggc 240
 tgctacgttg gcaactggatt atatgaagtc aaagctcaaa gncntaggtg gcctcatctt 300
 gatncaacaa gacgggagac tgggtggcaa agtggacctc tgccctccatg 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
 atggttggtt 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 cgtgttact ctgcagatca accagagttc acagacagag ccaaagcttg 180
 agatggtata tgagacagaa ttcaaggtcc cgaccctgga cacggtttct gtgcgtgtca 240
 aggccacagc cctggactcg ggcgtggaga gcgactggag caaggcctgg agcctggact 300
 gtggccccac agcgactctg gcaaccccgga tgacatcgct gtcctggcg gggcgggcg 360
 cggctgctac agtgatggct gtgctgctgc tgtgctggag gaagtcgctg ctgagccgcc 420
 tgttcccacc catcccaagg atgagagtcc tacctgggcc agagatgggtt 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 tcagtcctg gggcctttca 120
 tatccacatt tgctaattca tcaagctcgg gccagtgtt caaagatgag agcaaaagct 180
 cagaagacaa agacaggatc agagacgatg gtgttgtaca agaagagcag agcaggccag 240
 aggacgcacc ttcagacctc agtgcccctc actccagtgc caggctggac ggcacacttg 300
 aaggctgtgc tgccgagacg cctggggact ctgcaggtga catgcgtgtt ccagcggaca 360
 gtccttact ctgtactttg tcctcagagt ctcctcagga agcagctagt gacgctgaga 420
 gtggtaaaaa gcacgataac aacagcaagt ctgcgtcccg gccagacgtt ggcaccagct 480
 cccagagcc cactccctta gatcaggaaa t 511

<210> 9690
 <211> 513
 <212> DNA
 <213> Rattus norvegicus

<400> 9690
 taagcgtcct ggagtctaca cagccacctg ggactacctg gactggattg cttccaagat 60
 cggccctacc gccttgact tgattcagcc ggccaccct caccaccta caaccagca 120

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accggtcatc tctttccacc ctcttcgac tccaccctcc ttggtacttc caacacctgt 180
ctcctcggcc gctttaccta cgccgcctcg gcctctgctc catcagccgt cttcagtcca 240
tacctcctca gctccagtca tacctctact ctccctgctc accccagtcc agcctgtgtc 300
ctttaccctt gctgcgtacc acacaaggca ccacacaacg ctgtcttttg cttcggcggt 360
acagcatctc atagaggccc tgaagatgag aacttacct ataaaatata cctcccggta 420
cagtggacct gtgaactacc agcaccgctt ctccacgttc gagccccttt ccaacaaacc 480
cagtgagccc ctctccatt cctgagaaaa gag 513

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<210> 9691
<211> 438
<212> DNA
<213> Rattus norvegicus

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<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 ctctcttca agtcaggcta ggtggccgag gtgaagggtg 300
cagtggcggc ggcagcgatg gcaagcaggc ggcgttgctg ggactgtttt gcactggggc 360
cagcatcagg aagtcctctc caatggctgt gctactgcat ggactgtata ctcgatttca 420
tgtgtgtgtc gcagtaaa 438

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<210> 9692
<211> 499
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

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<400> 9692
gaggctatcc tgaagtgcg ttaatggatt gtatgaggct cttcaccaaa gaggatgtgt 60
tggtatggga tgagaaacca acatgctgcc gctgccgggc cagaaaacga tgtataaaga 120
agttctctgt ccagagggtc ccaaagatct tggtgctcca cctgaagcgg ttctcagaat 180

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ccaggatacg aaccagcaag ctacacaacat ttgtgaatth cccactaaga gacctggact 240
tgagagaatt tgcttcagaa aacaccaacc atgctgttta caacctgtat gctgtgtcca 300
atcactccgg aaccacatg ggaggctact atacagccta ctgccgaagt ccggttacgg 360
gcgaatggca cactttcaat gactccagtg tcacacccat gtcctccagc caagtgcgca 420
ccagcgacgc ctatttgntc ttctatgaac tggccagtcc accctcccgt atgtagcatt 480
gaggagctac aacccttcc 499

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<210> 9693
<211> 571
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

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<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
tggaacgaaga cacactacat gaaattctct gtgaagtaga cttgaacaag aatggctcagg 360
ttgagctcca tgagtttctg cagctgatga ggcagttca tacnggaagg gtgtctggaa 420
gccggcttgc catcctcatg aagactgccg aggagaactt ggaccgtaga gttccaatcc 480
ccgtggatcg tagttgtgga ggattgtgag tctgaccaat aaatccacaa ccaacaagcc 540
taggacagtc agcactatgt acaaccagag a 571

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```

<210> 9694
<211> 529
<212> DNA
<213> Rattus norvegicus

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<400> 9694
aactaatctt tttcgacaac agcaaaagat ttttcagcag actagaattg ttcagagcca 60
gagaatgaaa gcaatcaaac agctacatga gcagttcata aagagtttgg aggatgtgga 120
gaagaacaat gataatctat ttactggcac acaaagtga 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 ttttgttctt gtcaacttct aaataaatct 420
aagtaactgt gtaagtagca gctattccaa tgtatcaagc tttctggggg 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
tcgagaaaagc cacacacaca gggatcgacc atcacaacaa cagcctctta gaaatcagcc 300
aagatcttta acagcagagt ggtttgtgct ggctcccctt tcccaccctc cagcaccac 360
ataagcagga gtcatgtgct ggcagtgaaa gcagggtggca ggagcggctg cacaacaaga 420
caagcctgat cgggtccaca ctaaccagat gacaggagtg ggagacagag ctttcattga 480
cagttcggga ccatcagtga gca 503

<210> 9696
<211> 574
<212> DNA
<213> Rattus norvegicus

<400> 9696
gacaggggtgc 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
ttgggggtctc caaagtcggg ccaaattggc atctccacag tgaccatgtg ggtgaaggga 300
tagaggcttg gagaagggca cagacactgg gtgtgctatg gttccccaga aggcagggcg 360

cttcaccacc gtggccacct acctaggatt ctctggattc tctgggggtgc taagagttaa 420
 tacctgtgct ggcagggcaa ctaagcaaaa tacaatcaag attaaaatgc tcaagtgaga 480
 aagacgacta cagataaaat gctaaatggg gggggcctttg gaaagagtct tgatgatcaa 540
 ctcatcttcta aatatatacg tgctcacct 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 aaagttatctt acttaatttc agaaaatcaa tgttggttat 180
 agagactaat agttaacttt attatttccc agagagccaa actttactga ggaattcaga 240
 ctttaaaatt aattacataa ataatttggt tgttatgttt gtggtctaaa tataaagtaa 300
 ctatatttga atttttttat tgtattcaga tacttagatt ttgttgcttt tacttgcaat 360
 ggatattgaa attcaaaggt tttttttggt tttgtttttt ttttttttg tcttctcttc 420
 cctaccccca agagctgagg accaaacca gtgctttgtg cttgctaggc aagcgctcta 480
 cactgagct 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 aaccgaaga 60
 aatacatccc aggcactaaa atgatttttg ctggtatcaa aaagaagagt gagagagaag 120
 accttattca atatttaaaa gaggcaacat cctcatgagt tagtattaca gtttcaaaaa 180
 tatgtgacca atttcaaatg ttgtgttttag 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 acagtgcac ccaaattgaca 120
 aggctttcttt ccttcctgga tttatataga aatgtctttc atacaagcca ttaagaaagg 180
 tgtcattttag 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 gttcttggtt 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 ctttaactgat ttcttctttg gtttcctgag ctccgaggaa caagatttga     420
ttgagacatc ccatctaaag gactggagaa cctgtgaggg tccagggttcg aaggacagca     480
gcctatcctt tggagatttc ctaagattgt ggcagcact                             519

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<210> 9701
<211> 219
<212> DNA
<213> Rattus norvegicus

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<400> 9701
cgcaaactaa agactcatgg catgaggaga ggcaagaacc gagctcctca caagggcgtc      60
aagagaggag gaagcaagag aaaataccgg aagagcagcc tgaagagtag gaaacggggc     120
gatgatgcaa gtcgcaatta ccgatccac ttgtaatgcg gcaatgagct ctagcctggt     180
ggtcttcaaa ctacaccagg cagcaacaag acatcagag                             219

```

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<210> 9702
<211> 483
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

```

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<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

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ctgtggcatt tgctcttgct gaaatgctga aggtgaacaa ggtgttgaag acgctgaatg      60
tcgagtccaa cttcatctcc ggagctggga tcctgtgcct ggtggaagct ctccccaca      120
acacttctct ggtcgaactg aaaatcgaca accagngcca gcctttgggc aacaaagtgg      180
aaatggagat cgtgaacatg ttggagaaaa acacaacact cctcaaattt ggctaccact      240
ttaccagca ggggccccgg ctgcgggcat ccaacgccat gatgaacaac aacgaccttg      300
tgaggaagag gaggctcgca gacctgacgg ggcctattat tccaagtgc cgcagcggtg      360
tctagtgcgc aaagggacgc ccacgcctat nantggacg tgttctaccg atnntgtgtg      420
ttccccagtg gagaccagga ggcaaagtgt 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 ttacagggttc      180
aaccctagca accaccagtc agagcagact ttgtgtgtag tatgcatgtg tgattttgag      240
tcaaggcagc ttcttagagt cttaccctgt aaccacgagt tccatgcaa gtgtgttgat      300
aaatggctta agggaaatcg tacttgccca atttgccgag ctgatgcttc tgaagtgcac      360
cgggattcag agtgaccagc ctaagagcac agatttagtt tgggtgttcc tcatcacatg      420
tatatatgga ctatccactg aacttaacct gtgtggcttc cagccctccc tttaacaaaa      480
gggtcaatgg acctttcttt gcactgtgtg                                                                    510
```

<210> 9704

<211> 478

<212> DNA

<213> Rattus norvegicus

<400> 9704

```
gaagtctctg gcaagcccga ggttaaagac ttggaatact tttctgaaca ttttaaagtc      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 attatTTTT 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 tggagcacia 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 gttcagtgcac tgtagccagt gatgcaagca agaagaagat tgatgtttatt 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 ttgcccagga 480
gaacaaagaa gaaatgatat taataacgaa gtgcagcttg gaacatcttc tgata 535

```

```

<210> 9707
<211> 548
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

```

```

<400> 9707
gaagtggctg taacctagac tccgctcggt tccgttacct gattggagag aagctgggtg 60
tcaacnnttc gagctgccat ggctgggttc ttggagaaca tggggactcc agtgtgcccc 120
tatggagtgg tgtgaacatt gctggcgtaa ctctgaagtc actgaaccca gcaataggat 180
ccgactccga taaggaacag tggaaaaccg ttcacaagca ggtgggtggat ggtggctatg 240
aggtccttaa cctgaagggc tatacctctt gggccattgc gctgtctgtg actgatatcg 300
ctgcatcaat cttgaagaat cttgaagagg tgcatgctgt tactacgctg gttaagggct 360
tatatgggat aaaggaagaa atcttcctca gtatcccgty 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

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<400> 9708

```

```

gtggaataca ttgtccccta tgtcgcgga gtgtgactag aagagaaaga gcatgtccgg      60
aacgggccat agatcttgaa aatatcatga ggaggggttc tggtagctgc agatgctgtt    120
caaaaaagat taaattttat cgcattgagac atcattacaa atcttgtaag aagtatcagg    180
atgaatatgg tgtctcttct gtcattccaa atgttaagat ttctcaagat tcagtaagga    240
gcagtaatag gagtgaacaa tctgcatctg ataacacaga aacttatcaa gaggatacaa    300
gttcttcttg gcatcccacc ttttaagtgc ccttatgtca agagtcaaat ttcaccagac    360
aacgtttatt ggatcactgt aatagtaacc acctgtttca gatagttcct gtgaatcttc    420
agctagatga ggaaacccaa tatcaaaactg 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 gacctactgc cgaaaatgga cctcaccaag tacaccgggg tgcctcactg    240
ctcaggatcc tcctattgct agacttggct cttcaccta agcgtctctt ctacacgtat    300
acagaggacc gtgagttccc gccctcttt cttgaccgga atcagctcct acagtcgtcc    360
gtcaaggccc ctgcctcggt tgcaccatgc tcatgcatta ttgttttgcc tacttcctga    420
agtggagttg tggtaacctc ctccccccag actctgggcc cagactctga aata          474

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```

<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 atgaagtggc 240
 gacacagcag tatctctttg accgccttgc ccatgagatt gaagcgctga agtctttctc 300
 aaagtcagac ctggtcagtt ggttcaaggc tcacagagga cctgggagta aaatgctcag 360
 cgttcatggt 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
 cagccccgt acatcctcac caaccggggc attgcacaaa tggttgaaaa gtaccagcaa 120
 ggagactttg gctactgtcc tcgagtatac tgtgagaacc agccgatgct tcccatcggc 180
 ctttcggaca tcccaggaga ggccatggtg aagctctact gcccgaagtg catggacgtg 240
 tacacacca agtcctntag gcaccaccac acggatggcg catacttcgg cactggtttc 300
 cctcacatgc tcttcatggt gcatcccagag 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 tccccgtgt 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 ggtgggtgggg gtggaggtgg 420
 taggggtgcg ctaagggtggg cagtctgtg 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 tgaccaaaaag ccattaagtt 60
cagataacat cgccttacca cccaaccag 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 ttacagaaaag aagactcata ttcttgagtc gtcttgagag actcaagagt 120

<210> 9716
<211> 215
<212> DNA
<213> Rattus norvegicus

<400> 9716
gatggcgttt caggtatcag tgacaggctg aaccagact cccagggccc atacttccac 60
ctgatgaatg atggcctgaa ctatgagcaa acgggactat atgaacactt cgggtgcagga 120
gcctcctctt gactactcct tcaagagcgt ccaaagatt 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 atatgccac acgtcagcaa agcacttctt caagtgtccc 120
 cagtgaaca accgagaaga gtttccacag gagatgctga ggatgggaat ccacattcca 180
 gacaggcggt ggcgcctcat tttgtgtgcg acatgt 216

<210> 9718
 <211> 452
 <212> DNA
 <213> Rattus norvegicus

<400> 9718
 gtacatggac cagcttcac gatatacaaa gctttcttac cgggtggtgt ttcctttaga 60
 actccgtctg tttaacactt caggagacgc aaccaaccct gacagaatgt atgacctggt 120
 cgctgttgtg gttcactgtg gaagtgggtcc 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 atggttgcac 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 ccttccttc 120
 gaagcagtcg tgtgcatgta tcgatttcta ggagcagaca agtgtatgta cccctttatt 180
 gctcagagaa aacaagccac aaacaataat gaagcaaaaa atggaatcta aagtgccttt 240
 gtacggagtg ccgtttctgt caggatgggtt ggtccgtgtg catcagcagt actgaacgtc 300
 tggattcgaa ccccatgccg actgtttttc taatcaa 337

<210> 9721
 <211> 273
 <212> DNA
 <213> Rattus norvegicus

<400> 9721
 ggtgcatctg ctcattggact tcggagccaa tgctcaaacc aagaatgcag atggcaaacg 60
 tcctgtggat ctggtgcctc tggagagtcc tgtgattgag atcttcttac agagagaagg 120
 gccctctctt 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 cccacacaa 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
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 gagagatggt tctgatgtca tttatccagc caggattagc cttcgggagg ctctctgtgg 120
 ttgcactgtg aatgttccta ctctggacgg caggaccatt cctgtttgtat tcaaagatgt 180
 catcangcct ggcatgcgga ggaaagttcc tggagaangn ntccccctcc ccaaaacacc 240
 tgagaaacgt ggagaccttg ttatcgaatt tgaagtcatc ttccctgata ggatcccat 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 caggggaagcg caaagaaact gcagaggaga gacatctgtt ggtccaggaa 120

gcatttatca 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
 tcattcttggc 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 tcagggaag gacaaacctn tcacggtgtc actcaaagat 300
 ttccagtgtg aagatcatat tagtaaaaag acagaggaat cgaattcttc tcagccttta 360
 tcacatgatg gaggcttctt caatagactg gaagatgatg ttcataagat tcttggttaga 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
 gaggagaggt caaaccagcc actgccaccc caaagctgtg caagtgaccc cacacttgcc 60
 cagtctagtg aaggtggaga cagtcagctg cctgcagcca ctccactagg agatggagct 120
 gagaatgaag cacagtcttc gttgtaccca gaggagccca gcacccggat aggcctggaa 180
 gatattgaat ttggcttggg ctgaacccca aggcagtcta cactgttagt ctagcagtg 240
 tgcagcggat gcagggcacc ctcttctatg tatccctgct ggtttgctcc ggcaccctgc 300
 atggcaggtg ctgtgcagct acaccagtgt gcctgccgtg taccacaacac atcggtttcc 360
 cctgggttaca 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 aggggtatcgg atgtcagccc cacagaactg 180
tcccaggaa atttttacaa tcatgatgaa gtgctgggat tacaagcctg aaaaccgccc 240
taagttcagt gaccttcaca aagagctcnc ggccatcaag aagaaaatca catagtgcc 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
tacagtgcgg tccacaacga ccagttcggc ctttcgcact tcaattggcc ggtgccgggc 60
gccaaactacc acgtcctgng cactggctgc ttccccttca tcaagtacca ttgctccaag 120
gcgccctggc aagacctggc cgcgcaaaac cgcttcttca ccgcgctcaa ggtcatcaac 180
atgggtattc caactttatt atatggactt ggctcctggt tatttgccaa agtcacagag 240
actgttcata ccagttacgg accaataaca atctatcttc 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 aataatcgcc tgtggaaatg tcacggacaa cggcgtcatt 120

gctttgcgac actttaagaa cctcaagtat ttgttcttaa gtgatcttcc tggaataaaa 180

gataaagagt accttgccga agtctttact aaagcactgc cttctctgga actaaaatta 240

aacctgaagt aaaataagtg nntnnntna 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
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 cagcatgaag tgacactgtg tgtcctactg caggatactg gaaagggtcc ctccctctgca 120
 ctgagatcac cctgcagcat cactgtgagt tgcttgctct gtgctgctac ttgggcgcca 180
 ctgcccattt atttatattt agattgtaaa cactgctgct ggtgattggt ggtttaaggg 240
 acagaacttt taagtgttca agccacctgt acaattggac tttttatttt aacctttccc 300
 acacaagcaa gtttttatat ttntaccaga aaagtaaaaa tcttttttaa aagtgttggt 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 ctttttggtg gccttgcgct 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 agctcttttg ctttgcttg 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 cgaccccctg cttcaccaag 60
 acccagttca gttagacttc cactttcgtc ttacccccca ttctctgtgt cattggcacg 120
 gccttctgtg tgaccaccaa ctcttcctgg atatccatt 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 gtatccccctt 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
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 gctggaagcc agcaactgtg tgggtgcagc tagcgtggcc ccacccctca cactgcctag 120
 cccaggccct ccctccccac ntacactttg tcccctggcc agcccaaacc tgcaggccct 180
 gctggaacac tactcggagc tgctagtga 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
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 aaaaagtact tggtttactc aaagtattnc catntaaagt cataggaatc cagttcccag 120
 aaattttaag caatggcaaa tctatttgga aatttttgct ttactgata cagagagcag 180
 tctatatttt gaacacttac agaaagtcatt taatagaaaa tggactgtac tgtgtgctgt 240
 tggatctttc aagattttca ccatggcttt ttttttctc 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
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 cagcagcacc ttctgcccc acgagccttt cntaagggcc accagcctgn aagagaatcc 120
 aggctcttcc tggaccaact ggctacaacc ttccctgtta gaanagcctg agtcctctag 180
 tggaagcagc tgccagtcct ggcgatccaa aggaatcaaa gtcactaagg attgcaaaaa 240
 gtccaagtaa tagcctcaga gtggttcctg cccaggncag tgaggtagca gagacccttg 300
 ccgcatcagt ttggagaggt agcactttga aaccatgaga cagaangggc caggtnaaga 360
 ggtctcagng gtcactgtgt gcgccagcag gggagtgtaa gngcctgtcc nncngaattg 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 acatgtctgtt ctctttgacc acgtttcccg aaggaagact 240

taaacactgc acagtaaagtg 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
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 attgttttaa aaatgaaatc agaaagcttg aagaagacga tcagacaaaa gacatatgag 120
 tcaactgcag agcagtgggc gccacaggag ggcaagctgc agatgctggg gcgtttcttg 180
 gaggagctct cagagagcac tccaggtcct cactctgtca ggccgctcgt cctggagcac 240
 atcagtgctc taagacttga tgctgtgtag cagtccacta tgttaagcac aactttttaa 300
 gttttgtttt tgttttttta attgaactat atgtatagtt tattttcctt cgggcaggat 360
 tgaaaattct gttataaagt cttacttggt cagactttgt acttctctac tatagaatta 420
 gtgattagta tgggtgtgta gttcttcagg ctacagctctg ccccggtac 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
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 ctgggggatc acaaactcag aggaagaagc acatcaaact ctgggctgag aagcagaatg 120
 ccctaaatct agggggaccct cttgggacac ggctcctccc tgggtatgggc cagctatagg 180
 caactcangt aaaagacctg agaagcaggt tgggtggcag actttctacc cacacagctc 240
 tgggtggtctc tacagtctgc ctgtttntaa cagcatgggc ctcaggggct gggaccccca 300
 gtctagaccc catgcagcca gtttaagcca gtttaagtta acagttaaac ttttgttggt 360
 gcggtgttgg gaactgcatac cagggcctct tccgttccca tatttaaaca catttatagt 420
 ttcttataga aaatgtcccc aggttcctgg attcctggta ttttatgtac acaccatac 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
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 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
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ctacnnnnca gtctatggag aaacgtatca attacatgca aaacctaaag aaagagaaga 120
ggaaattggg gaaaagggtt 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
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aagggtcaagg taactaagaa accagtggct ctgaagagat tcgatcaagc ctttgtgaaa 180
aagccactcc ccacaagagc tcagacaccc ttgggttaagg tgaagaaatt aaaaaagcca 240
caaagattag gtctttacca tcgggtcaac cagaagctta accagaatgt acaggatgaa 300
gttgaccaa 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
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 catcaaactg tgtcactgat atttctcatc ttgtcagaaa gaagaggaaa ccagaggaag 180
 agagtccccg gaaagatgat gcaaagaaag ctaaaccaga accagagggtg 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 ttccgggggtc ttcctgtgaa ctggtgtgac 180
 caaacacatt tatgcctttt 200

<210> 9747
 <211> 70
 <212> DNA
 <213> Rattus norvegicus

<400> 9747
 attcaagaat tcctcccaa gaacatcatc ctaacagctt tgaattcctt aaagccattt 60
 tgaactgagt 70

<210> 9748
 <211> 478
 <212> DNA

<213> Rattus norvegicus

<400> 9748

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agcgtgctgg tctgctgcct agagacagat ctgagaactg ttttcatctc tgtcaaagt 60
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gtagctacta cctcatcctc cccaactgac tctttcagtc cccatcaaaa cctgctctaa 180
ctgctattcc agttaacact ctatggcttg cttgtttaat aacatcatgc acttgtgctc 240
aaccceaagta tcagaaacgc gactcgcggc tttgagaggt gattgtgata ggtctgcttc 300
tcatctgcag atacaatgca gcaactccaa agtattaaga tcacactaag ctgaagatgc 360
acctttgccc tggtttagcaa cgcaaaaccg tatcgtcata catgccaagg ccttagcgtg 420
tagatgtctg tacaccggca cagcgaatga gctcactgct aatggctgag ttgcttat 478

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<210> 9749

<211> 289

<212> DNA

<213> Rattus norvegicus

<400> 9749

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tacaggaaat acagaaagct gatcgattca gaacttaact attttgtcat cgcctacccc 120
atgatgtaaa gcgtgctctc cggaggaaga catctagatg cactttgaac ctgaattaca 180
tttggggctc ccatgccga atcccttttc cttctctctc ctttagccag ttccacacca 240
tcacgaccag aattgcgaag gctggactgt tggatgatggc caggcccca 289

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<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

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tccctaacca aaaccagacg ngtaactgct accagaattt tctggactac caccggtgtg 120
tgaagaccat ggatcgccgc ggaaagaaca cacaggcctg cgactactat ttccgtnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngtgc agcgctggaa tgagcagatc aagcagggaa 240
ctttcccagg caaatctga ccttgcaatt 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
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gatctggagn ccgtgtggag gggggtaaac cccggggaat taatggattc gaaattaagg 180
tgtgtatttg aagcgccgac agaaagtgc aaactggaag atggcttgag actcagaaag 240
gtagcgcata 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>
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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> (95)..(95)
 <223> n is a, c, g, or t

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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 acctgccta tacagaggag agtttgcgtc agtctctgat gaagttagaa 360
 aggccacgga cctccaaggg aaaggccagg ccaaagaccg gtagaag 407

<210> 9753
 <211> 393
 <212> DNA
 <213> Rattus norvegicus

<400> 9753
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 aacttcaggt ctccagagga gagctcactg aagttagggg tgcaggcagg gagaggcttg 180
 ctctcctcat ttgctcagga gttgcttggg catccccatc tccttttccc acgaagagga 240
 ccctgatctg gtttttatct tgagaagggc atgaggtagt cttcatgtct gtgcccatga 300
 aagatgaagg atctccttcc caaccctttg tcaccatgtt cttccggggc caggctctgc 360
 cgaaatgcta ggatagccag attctcaccc agg 393

<210> 9754

<211> 543
 <212> DNA
 <213> Rattus norvegicus

<400> 9754
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 atgctgaaga gccctctccc cctgctgtca gcaagtcata cagacactca atgagttcac 180
 gattcaactc cacgcacaac cgctactatg gctaaggaag gcattactgc tggaggtgta 240
 atggacgctg atactgccta acaggagccc tgaagaccac cttcatccga gaggggcccag 300
 catgggggttc atgcagagct gagctgccaa agccttaagc aagtgc atgc ttgaaccag 360
 ttgtgatgag cctatgcgtg tcaagttggt ggaggagctt tgtg cgagca tgaagatcaa 420
 cctaattagg catctgaaaa cgggagagga accctataaa cttgggttggt 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
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 tggcccaata gaaacagggt tgacagtgac ctttcgagtg tggagaaggc ctatctatgt 120
 gcagcccat 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 tttagagggt gcattgcttc tcagtctggt tcatttctctg 420
 ccttggttct cggatgcggc cccagcactg ttacctcac acacttttga gcac 474

<210> 9756
 <211> 530

<212> DNA
 <213> Rattus norvegicus

<220>
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 <222> (60)..(60)
 <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>
 <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

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 tctccaacng atagagcttc cattgccaaa tcttcagttg tnaccacttt cacctctcac 180
 gtgattggtg gcgtnctggt tcctggttcc ntagcctgct ctagatgaca gactctgggg 240
 gatgttctcg agaactcttc cctaacctat cccatccatt cacttcccc aacaaatgca 300
 ctgatgttct gggagcatca tcctgacttc tgaactggct gccaccctag cttctttccc 360
 tgcccacctg gacaaatcct ccgtagactc ttgaagagcg gagggaggcc agagatgccc 420
 ctccagtgtc ctgacgttca ggctcttagg ccaccttaca ccaagtgcct tatggacctg 480
 tggcctaggg 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

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gccatggccg tgnactagag gtgctgccc tggcgggccg cagcacctgg cgggccccag	120
gctgcgggcg gctcggactt ggccatggcc gtcctgttt ggagggtgtgc 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 ccccaaattgt gagtcccata tttgtcccag aacctgaaca	120
attcgaaatg gaagccagag agggggccac 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

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gaagagccgg cgccggtgct gtgggtacgt gttctgcatg tnacatcgcc tcccagagca 120
gcacgactgt acgttcgacc acatgggccc tggccgagag gaagccatca tgaaaatggt 180
gaaactggac cggaaagtgg ggcgctcctg ccagcgcacg ggggaggggt gctcctgaag 240
gccaggcacg gccaccacac gacgctgttc ttagttcact aatgttagcc ttatttagga 300
caaagtcagc cagacacctt gtactgggca cgcgtcagac tacagccagc cgtcttcttt 360
ctttagccag ccatacctggt actgtagttt aggggttgat ggtggatgaa attgatgtct 420
ggctggttac ta 432

<210> 9760
<211> 201
<212> DNA
<213> Rattus norvegicus

<400> 9760
gtccacgatt ggcaggagcc acttcacgac taaagagctg cagggataca tcgaagggat 60
gaagaagcgc cggaacaaga ggctgtactg tttgtctcag tgaacctcca gctcaagtgg 120
ccgacgagac gtcctcccca tgtcctttcc gtcctctgaa cccaagctcg aaccaagct 180
cgaacccatc tgcataaat 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

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gctgcctcag aggaaaggaa tgctgtatca ataggttcca gcaagtagag agccgctggg 120
gttacagtgg gacgagcgat cggatcaggt tcacagttaa caggagaatc tctgtagtgtg 180
nattcggntt gtatggatct attcacgggc ccacggacta ccaagtgaac atacagatca 240
ttgaatatga gaaaaaacia accttgggac aaaacgatac tggatttagt tgtgatggga 300
ctgctaacac attcagggtc atgttcaaag aacctattga gatcctgccc aatgtctgtt 360
acacagcatg cgcaacactc aaggggccag attctcacta tggcaccaaa ggactgaaga 420
aagtgggtgca tgagaccnt gctgcaagca agactgtctt cttgttcttc agttcccctg 480
gcaataacaa cggca 495

<210> 9762
<211> 256
<212> DNA
<213> Rattus norvegicus

<400> 9762
aagacccttg atgaccggct gctcaacatc cccatcaacg acattgtcca cccaagtac 60
ttcaagatgg tgccaggtga ggggatgccg ctgcctgagg accccaccaa gaaggagac 120
ctcttcatct tcttcgacat ccagttcccc acccgtctca cccccagaa gaagcagatg 180
ctgcgccagg cactgctgac ctaattccgg gggacctgag caggaacagg gatggagagg 240
gctagctggg ccttgc 256

<210> 9763
<211> 371
<212> DNA
<213> Rattus norvegicus

<400> 9763
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aaagcagccg aggagagtca tccacaagta ggactttgtg gttaccattg tcagctctga 120
ggaacaggaa cttggtccac ccaacgcaac taacctcacc acggtttcag tgtggctatg 180
tgctattaca tctattcaat cggatgaggg cccatgaaga tgtttcggaa gataatggct 240
ctgggtgaggt 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
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 gtggagatcc aacgtttttac aagttcatga agaggatctc tgtttgccag gggcagattc 120
 tgaggatattc atggagtggga gagcctntct ttctgtcctg cccacattt gaagtctcgg 180
 aggtcccagt ctgcagtggc tgcggaggcc agagggcggt 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
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 gcatcaagac acctggcttt gggcacatca ctccagcctg aagcagttgt gtggtttata 180
 gggcactctg aggtaccctg tcagcaagta aggtagtatt ggaaccattt ttcctgttca 240
 tgtcacctgt agccgcaagg aggataagca cacacatatc taagggtggc 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
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 cctatgaatt tctatttcta ttatttat ttactcacaat attttgttat atgaagagaa 120
 aacatccgta tacaagaacc cntgttaggt ggtttggagt ctataaattt gatactaaga 180
 ttaatagtta aagagaacac ttttattttt atccattttc atttgaggaa aagtgtctctn 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
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attctagcag gtcctcaatg aggttcaggc tcaaaacgag aaccaaggat agtgactgat 120
 ggtgctggag gatagaaaac atccaatagc cagcaacata gaaacttcac aggactctgt 180
 ggattgtgtg gatgacagtg cacatccttt aaatctaatac tccaggtttc agtgacttct 240
 gtttgctaca gngaattgng tgagccttgt ctagtttact accaggcaca gatggagttc 300
 ttagaactcc cnttgaaaac atttagacat gtgtagaaat caggaagtaa agattgagtg 360
 ttttgaaaga cacgagtcct gccaatggaa cta 393

<210> 9768
 <211> 278
 <212> DNA
 <213> Rattus norvegicus

<400> 9768
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 cttgtcttga gaagctgagg gatgccttta cccttgcaac ctgcaggatc tcacagattc 120
 atttttcatt tctttgccac ggaataaacc tcgaatggcc gggttggttt 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
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 gagagtcttc ggcggcaggc ctgtctcgct gctgttgaga atgcatggcg aaaagctcaa 120

gaagtctgtg ccctcgttgg ccaaactctg ggaagacctt tactaatcaa ggaggaggaa 180
 acaaaagact gggaaggcca agcggatgat catcagttgt ccagcttgcc aggttcctta 240
 actatacaac agaaaatcaa aagtgaacc atccatgcag cttcaaaagt gttcattact 300
 tacgaggtga aaggaaaana nannaaaaaa aagcatctgt aaaattctaa ctgaaacata 360
 atgtatttgt acttataaat ctgtttttat acattttaca gcactgcttt ttgtctcaaa 420
 tgtagctgtt gtctggtact ggtaatctgt aagatctgcc acttggtgaa catatccctc 480
 agaatatgtg tgatctcttt ctagttccca gaa 513

<210> 9770

<211> 153

<212> DNA

<213> Rattus norvegicus

<400> 9770

gcagtagtag atagcataag acccaaacc ataactgctt gaagggtgctg 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 ccccgagtt cacgatgctg gggcggactt 180

tgccaccaa gagcccaaa gatccaggac ccgcatccta cgccgtggac aagggtgtct 240

ggagtcgagg gttaaggggc aggggatgag ggtctgaggt ctaaggcatg ggtcaaagtc 300

cctggggaac tggatatcct gtatgaagcc gaacagctgg ctcggttaagg taagcggcgt 360

ctcccgacc cgcagcaccg gaagcctcct cctggctgga ccttcgggat caggcattca 420

gactacctgg ccccatgat acggtaccac gtggacgact gacgccagca agcacgcatg 480

cacgggccct cggttgttta tt 502

<210> 9772

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>
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 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
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 <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

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 acctcgccca catcttcctc gcctacccat gccaaatgtt tcctcctgtt gaagcctggc 120
 tcctggctcc atagtgcag 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 cccctggag 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
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 ttctccaaga tgaaaatttt gtcagtaaag aagagttcca ggaagtagag aagaagctgg 120
 tggatgaaaa agctgctcac gccaaaacca aagccctcct gnccaaggaa gaagagaagt 180
 tgcagtttgc ccttggcgag gtggaggtgc tgtctaagca gctggagaag gagaaaatgg 240

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cctttgagaa agcgctctcc agtgtcaaga gcagagtcct gcaggagtct agcaagaagg 300
accagctcat caccaagtgc aatggtaggc gggaggcccg tgctgcccc caagttaaca 360
tacacgggct cttttccaac agcccaatga tggtgccaaa agcagggctg taccccaact 420
tctgcccccg gctgaggata caggcaagtc caggcgggtc acaccttcga aagtgccttc 480
agggaccagg caggccacgg aagtgatgga cggaacagt gtgcggtatt cttcacagcc 540
ataaaggaac gggctcgtc ccatttttct tgaaa 575

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<210> 9774
<211> 456
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

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<400> 9774
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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 aaatgggtccc tgacttctat gttgacagca tagccgacct cttgcctgcc 420
cttcaagggt aaagatctcg tgtctttaat ctctgg 456

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<210> 9775
<211> 456
<212> DNA
<213> Rattus norvegicus

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<400> 9775
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ccagaactcg gtgtcgctgt ccgccggcga tcaagccaac aggatggccc accgatcctc 120
ccaaggagat ctcaaccctg cggccatggc ttgggcatg gtctccggag acagcttcct 180
ggttactaga cttgatccga atcagccagg acctcggcca ccagcgcgac ccagcgttcg 240
gaccgacaga cgtcgagtgc ccgtcgggtg ccgcagccgt agccgaagcc gccaaaggcag 300

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attctcgtccc tacccgatcc caggcgtcaa actcgacctc ttaagaagtg tgctgcagca 360
gcgtcttggtt gcgttaggat ctgctctcgc aaccggaatc tcagcgtaga gcaaatgcct 420
cccctcactt agcttgcaaa caaggccttt ccaaaa 456

<210> 9776
<211> 353
<212> DNA
<213> Rattus norvegicus

<400> 9776
gcagtgaac gggaggctcg cctctggaag gtgggcaacc ctgagggacg ggagctgctg 60
accagccgg acatcacgct ggaggaggct ggcattggtg atggtcagca tctgctcctg 120
gaagagatgg acgagatggg aaactggccc cctccggagt gaggcccgtg ctggcaggag 180
cccaccgtgc ccacaccct gcgacccag tccgacgtgt gtctctcctt gggacacacg 240
gaaggagtcc ctggggccct gggtttgggg gatgagtagc atcctgtgtg tgtgtgtgtg 300
tggtgggcct gccagcacc 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
aggctctgcc 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
 tattttttgt tcgaactgtt ttttcataga ata 213

<210> 9779
 <211> 493
 <212> DNA
 <213> Rattus norvegicus

<400> 9779
 gatcacagag gatctcgcca agattatgat ggactacttg ggaatggaga acttctggaa 60
 gagatacaac aagggtgaaac tggaggttct gagtctccag cacaggcggc tgcagctgct 120
 ggatatcagc agcaagctgc gggagatgct caagcagtac ttggacggca tctcggtgag 180
 cgacgaggtg ctgagccgcc tcaaccgct cttcatagta aaccacaaaa gcaacctgcc 240
 ccagctgccc ccatccgcag cgcagcctgg cggtgacaga ggacctggtg gcgacagaag 300
 actgacttac aacgtcatcg aggcggccca cattgcctcc catatcctgt gacccgagga 360
 ggaggaggaa gcgttccaaa cccagagac tttttttcct ttcttgaagc ccgagtgtt 420
 tgctctcatg cttagggtgga 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
agtccagggtt 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
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<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

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acctggatct agagaggcgt ctgtcccagg ctgagcagga aactcggagg cttcagcagc      120
ttcagggacg cccagcagg caacntgcc agcaggtgga agagctggcg gctgaggtgg      180
agaggctccg aactgaaaac cagcgacttc ggcaggagaa cgagatgtgg aaccgagagg      240
gcagctactg tgaccgggag aagacagccg cagaagggac ccctcggccc aaggatgagg      300
ccccacttca gacctgctcg ggccagctgg gtcacaggga ggcaggtgac agatgaaagc      360
tactcccagc atacctgtct ccaactgaaa ctgctaagac aaggtcagag tttccctgcc      420
attttactg ttgggtcttt attgtcatct cactttt                               457
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<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
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 gtaactcaga gacacccatg aattcagata cagaacaggc ccatagcgag gctacagaag 120
 aggagactag taagccctgt gcgagcgaca aggaagacac taggactgag tatatgtgtg 180
 atggccctcc aaaggggcag agcaaagaca cctctggaga ccaaggccac ctccctcaag 240
 gagcccacca gtgtgagagc gaggccaagc ctccctcaggn tgntgctgca gggggccaccg 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 acccgcccg ccctactcag 180
 ctcccacca accatcatca gagagggctg aaaggcaggc ttacgcaaaa atttccactt 240

<210> 9784
 <211> 285
 <212> DNA
 <213> Rattus norvegicus

<400> 9784
 gttggagggc tacataagga cactagaaga agatttgcat ttctttacct gcttgagctt 60
 acttgccagc acatttgttg gaatctacca gcctcgctggg actgagcaac tcttagatcc 120

ttggacttcc attcacaggt gactgttggt 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 tccccggga ccgtggctgg cgtctcccaa 180
 acaacaagct gggttccggg gatgacatct cggctcttctg tatccccctg ggagggccag 240
 gcagcagtta ctctgatgg gctcagcccc agccctctca ctgccacccc agcatctcca 300
 ttaccactct cctccagccc aaacatggaa gttgtgcccc tgactctcaa gtggccattt 360
 gacacagga tgcccactag ttccaaaatt 390

<210> 9786
 <211> 509
 <212> DNA
 <213> Rattus norvegicus

<400> 9786
 gatgtgtaaa tgctttctcc ctcatcgta tgtgttttaa cctgttgtgg agatgctttg 60
 gaatatcaga ctgccttttc aatgcttgtc gtcacacct gtcaaatacag cagtctgtta 120
 ctacatgaag tatcttcaaa ccattgcaat tgtcatttta attgcaaaag aatttataaa 180
 agatagctga atcatagagc atcataaaga attcataaca tcatttatat atttgtcatg 240
 ttacggccac ttgtccact gcgatcatcc tggtcatacg ctggatggtc tttggtttgc 300
 tgtgacctca atcccagcac cctgtcctg ggtcagtcag tgggatccac tctgtaggaa 360
 tccttatatc ctttggtact actgctttcc acatcccagt ctttcaacat caatgtgctt 420
 ttaaaacctt accgctccgc tgtgcccatc aaccagtga tattaataa 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 gctagtgtg ttacctgtg 240
 gggcagactc tctgagagct cagggtnacc gtgcagaact ggaccggaag ttggtgcaaa 300
 tagaagaggc tatcaagatc ttttcccgac ccaaagtctt tgtgaagatg gataacctagc 360
 ccctcccccc ctttgtgggt agattaatag ggagatccat gtttaggatc agctcatggc 420
 tgcaaagggc agactcaagc cctgttatag ctccaaagca ttgggggtggg 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>
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<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
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 agcttttaaac tgttagaagc tctaagctnt ccaagtctta tttctccagg ataaggccca 120
 tcctttctgn tctcctctct tcccatgggt catattaaaa ttacatgga gtatggtagg 180
 cactagtttg aaagggcttg ccaaatttta actacattca aggttaactt ctggggaaac 240
 acccatgctc agagtactgc atatgccac agctcctttg atagtgactn tggcaatggc 300
 tcatatgttg tacagagtag tcctgaaagg aagacttctt agaaacagg cctgcatgg 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

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<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
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 tagaaaatnc ttgnaaaanc aaatttatta acctgagaat cgttggangg aagttccctt 180
 gtccttgat catcgctgaa accatctgta acatttgaac agagtgattt ngaggccttt 240
 tataatgtaa tcactttgtg taatacccct gaggtaagac ctaatgtaag gcagatattg 300
 gatagtggaa ctggagacca ggttttatgt agtggagatg aggccttggt gaacaaaaag 360
 gaaatgaatt tgcctacccc tctaaagcat tgaacactgt accacagcct gaagaagctg 420
 cagaaacaca aactgacca tctctaagcc actgcaggtc tgagaattga catattttag 480
 ctcaaataac tttttggact acagactaat gtgaatactt gcctatttct acctgagtta 540
 cagcaaattg tctgtgaact tattgcggtc ca 572

<210> 9790
 <211> 538
 <212> DNA
 <213> Rattus norvegicus

<400> 9790
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 tctgtacaga agcactcccg ctgcttgtaa gagtcattca gtctgcagat tctaagacca 120
 aagaaaatgt caatgccaca gagaactgca tctcagcagt gggaaagatc atgaagttca 180
 agcctgactg cgtgaatgtg gaggaggtct taccacactg gctgtcgtgg cccccctac 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
 agtcaagct 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 caaatctgtc 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

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agaatgtttc cactctcctt cagcccccat cacttcccgg actaccatcc ggcactggat 120
caaccctaag aaagaatcca tccatagcat tcagggatcc atagtgtccc ctcacactgc 180
ggctactaat ggaggttact cccgaaaaaa tgatggtggc ttcttttcca cctagtgggtg 240
acaactgggc taattttgcc atggtggaac atgcagtcac ccatcttcat taaatag 297

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<210> 9794
<211> 414
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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<400> 9794
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ccggagccct tcactntgca gtgtcacctc ccaggcctgt ccaccacac aggccatgcc 120
agatcatgat atggcactgt cctggggcat gagacagtac cctagacgct gccagggat 180
gcagagcctc agtgggatgt ccatgtccca gctactgtac tgaagccttt ctagggaaag 240
gccaggcac accatggtga agctcaggct caccaccttg gacgtgtgcc tgagggcacc 300
ctctctccgg cttttctgat gtcacagctg gcctcagggtg ctctgttctg cttttctgaa 360
cctaaaagtg aacatgattc tttccttctt taggatctaa gtctttgccg cctt 414

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<210> 9795
<211> 432
<212> DNA
<213> Rattus norvegicus

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<400> 9795
cgagcttctg gccaatcaat acaacatcaa ggttcaagtg gaagacctgt ctcacttccg 60
aaagcttttc atggacacat tctgtttcct cccatcctgc cagggtgggg agctggtaat 120
accaaacctc atggccaatt ttggacctat gtacttctgc aaattgcaca gggtgccata 180
gtgtcacccc atccctgaag taggaagggtg atgactccat cagaggcatt gtaacaggct 240
ggcggcagggt gtgtcccagg cctgtctcca tccattacat ctaaagatcg ctgtacacgg 300
cagtgggtag ggaccgctgc ccagctgagt tagcagcagg cttctaactc atactctcac 360
ttctagcttt tagcctctac taaggcccca gcttcagtac ggattaagac agaccctgtg 420

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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
 aaattttttg 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
 taagttatth 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
 agtcctttta cgcgngaata gagaaactga agaaagcctg agaatgcagt acaagttaat 180
 cttccgagaa accaacaaaa ccggccagaa taataatgtc tctatagcac tatgtcacct 240
 ccatgaagcc ctggaaggaa aaccaccttc ccgttatcct gagtgtattga caaggcgctg 300
 tcccgcccct ccattccac acccacctct gagtttacag ggccaaaagc aagaagagca 360

ttgctttgta tgattttgga agttctatac gaaagtacta ttgttttgac taatgaatac 420
tattcctctt tctcggaac 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
gatcttactc aagtacctgg actcagacac agagaaggag ctgcaagcac tttatgcact 60
acaagcatca atagtgaac ttgaccaacc tgccaatttg ctccggatgt tttttgattg 120
cctgtatgat gaggaggtga tatcagagga tgccttctac aaatgggaga gcagcaagga 180
ccctgctgaa caaacggga agggcgtngc cctcaaactc gtcacagcgt ttttcacgtg 240
gcttcgggaa gcagaagagg agtcggagga taactaatac ttcaaataca caaacgaaac 300
aaaagaaaca atttaagtat ttttttaaaa agtttcacgt cttcgccaat cacagtgcag 360
caaggccaac tctcgagaa 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 acagggtccat ggtgtctgag 60
gaggcaggtt agagcagttg gctgcacagg cctcctgcta ataggccata tgcactgtat 120
agccatttaa aggactatct 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 ccatttcgtgt ttgaaagcag gaaggagatt ttgtaactca gacttcgttg 60
 gttagagtct ctaactgagc accatttgaa acctgntgca cattggactc gaaacacaag 120
 gaaaactgga ccaacagtga ctgaggacag agactcgtac tcacggctac agtgtaagct 180
 ccagtctctt tggatttttac ttcaaccttt gctgtaatat aaaaaggaag tttaacaagac 240
 atgacattgc tgctttttaca aaaggacgtt ctattttattt 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 ccaaagctg 180
 agcagccacc ctccctctga ggcagtgaag agactggcag tcaggggtct cattgcacat 240
 tactcaggta caggaactac acattgagcc caaagggagg gtgccatgaa tccagtcatt 300
 ctgagggcac acgatgcttc tctttaagtt tgaaaggagc ttttcgaacc gtaaattggca 360
 ccatcttctc tgtccacttt ggaaaaggcc gcatgtcaat cttccaacc 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 cagccttcg tcagacttct cgctatcagg aaaaagntgc ttttctgaa 60

gagattaaga tggcgggaga gacagactnc gacttggata agaaaacttc ttgacttca 120
 gatgcagaaa tgagacctga accnccagnt ccatgcanaa accctggcaa nccccgtgtt 180
 ttcntgtatn ttggacccta agacattgca cacgtccacc tcaactgtcca aaccccagat 240
 gattatgtac aagaccaatg ccagccagta cggggccttc tcaccagggc cctacttcct 300
 gccctgtaag tacctgccac aggagcaaat gttcacagag cacctcagag caaccggctt 360
 ttatcaaaac aacagcctga acattgggcc tgaccgaacc agaactgtcg attctcctaa 420
 ttatcaacac aactgtgaa 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
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 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 tcaactctgtg tctatgtgac tttgtgtaca tagagtgtgt 360
 atattctgta cataatttgc tttagaagag cagtgtcttg 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 gtccacacna 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 cctgttgccct gaatgcagcc tgcattggcat 60
 tgggtggatgc aggcgtgccc atgcgagccc tcttctgtgg ggtcacctgt gccctggacc 120
 ctgatggcaa tcttgtgctg gacccacaa ccaaacaaga aaaggaggcc cggggcattc 180
 tgacctttgc tctggatagt gcggagcaga agctgtctcat gtccgccacc aaggggctct 240
 attctgatgc agagctccag cagtgtctgg ccgccgccca agctgcctca cagcacatct 300
 tccgcttcta ccgagaatcc ctgcagaggg gctactcaa gagctgaggg ccgccagggc 360
 agggcgccct ccaccacgcc caccgntac ccgccagcag ccagcactcc actgtgcctc 420
 tgtctgtgcc caggtagcct ctggctctgt 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 catctgacct aggaacgcc ctgtgcattt ggacaaatgc 240
 atgaagtcta aaaccatggg agcttgtgag cagcttaca 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

gagtgacgg tgaccagaga ccataggatg cttgagtgca tggtgaccaa gaccatagga	60
tgcttgagtt caagcagggg ttaaactgaa catgtgcggt cctgcccctn tgcagcctca	120
acaggacaac caaggacca gtaatgcagc ctaatcaacg tgcagctctg tcagcagtcc	180
tgagccgcca cctccaagag gtaccttcca gagtggaggc aggtggcctt actgtcatct	240
gtgcctttcc ctgcacattc acatccagct gcacttcaaa gagagcctgg caacctagaa	300
ccagcctcca gaagccaaga cccaacctgg acctcctcag cttccccctc 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
acaggcgggt ggcancacct ctgtgcccga gctgttggtc ccctgtcact ctgacacctc	120
tctggattat ttgtccgagt ccaccacgga gatcacctgc aaatggccag actacgggtca	180
ccagctgcgc tgccttagac actgctgggt 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

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<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 aagcctaattg 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
atztatgaca tccaaaagca gtgtttttta tttttgtgaa agttactggt tttactggtta    360
ttacctcant atacatgcac tggatatcata caaatctctc tactatgttt ctatattctc    420
aaagttaaatt accggttttc atgcaaat                                         448

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<210> 9810
<211> 478
<212> DNA
<213> Rattus norvegicus

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<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 attgtcacc 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

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<210> 9811
<211> 518
<212> DNA
<213> Rattus norvegicus

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<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 gttgggggtct tatcaagatg 120
 atgaagaact tgagcccgaa gtctgagaag ttatcttcta gtgagacctg tgtggcagcc 180
 accagccccc ctgcccctag tcccaggtgt tggggggcatg gctctctgag cagctggatg 240
 gggacagcca aatggggcct ggactaagac agggatgacc agaagagcac agcaggtcgc 300
 tgaccccagt ggagcagaca tctgtggcct ccatgtccac accaaccag 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 tccnnnnnnn cggaaagaaa aatccaaagt taaagaacct gccttcagag 120
 tggagaaggc taaacagaaa tctgcccagc aggagctgaa gcaaagacaa agagcagaga 180
 tctatgctct caacagagtc atgacggagc tggagcagca gcagtttgat gagttctgta 240


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agcagatgca gccccccggg gagtgagcca gcctgcatcc cagtcagtca gagggactgg      300
gcctttgtct gtgagctcat tccactggtt tcgccgctgc cgccgagctg gccattgga      360
gccttacaga actgatcagg acttgtggag acctctgcac tgaatttcct ataggtaact      420
tccacctcac tggttttttac tctcaaaact ggcccagtgc ttgctgggta gacttttcat      480
c                                                                           481

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<210> 9813
<211> 452
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

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<400> 9813
ctcctgaaga gccagctgtg gacagagggg gtnaggcttt atttaaagtg acaggaagaa      60
acatggcggtt ttggtatatt gggagcaatg ccaagattcc ctctgacctt acataggtca      120
cagacacctt cccaaccatc cctcctcca cttnccataa atgaagacag cntgatgac      180
cctcaccctt tttgcatagg tcttggtatc ccactgtcct tcctcggtgc ttacacactt      240
tacagaccct ttaggcgagc ccttgcatag agcgttatct cagtgtcca ttccagtcct      300
gactccctgt ggccattgag actttggatt taagaactca cattgctagg gagaggggct      360
ttgctgggaa aggtgactcc tctgtaacct agcctcttgt gctcctccat gacagaaatg      420
ctgggtggag ttttacattt gccaatggcc ag                                           452

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<210> 9814
<211> 456

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<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
 tgattttaatt agtcaccccg tgctggccac cttccctctg ctcttgagc agcccgatgt 60
 gatggatgct ctccaggagt cctgggctga gaaagaaagc acactaaagc gatcggagaa 120
 gagagacaaa gagctcctaa aggccgagtt cctcctggtc taccatgact gcgtgctccc 180
 tcttntgcat tccacattgc tgccccctt taggtggncc gaggaagaga cagaggctgc 240
 tagatggaaa gccatcgctg acttcctcaa gcaaagccga gagaacgagg gttccctgaa 300
 ggctcttctg tcaccagatg gagttcaca accatttgac ctttcagagc agacctatga 360
 cttcttgggt gaaataagaa agaactcagg ctaatgatgg ccatggctcc cgattcccac 420
 tggaccagat gagttcccca ggatgacttg gctcaa 456

<210> 9815
 <211> 361
 <212> DNA
 <213> Rattus norvegicus

<400> 9815
 ccgccgtgac actttctaca aggagcagca ggaacgcac 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 atccttctctg gagccttgaa gaagggaccg 300
 atcatgagac cacagacat ggtcccatg 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 cacttccttc ccccttgga ccttgga cctcatgtgt gtcattccat 120
 ggccagtgat gtctgcctct gacactgaag actcagggtc tgtcattctc agcctccaag 180
 atgagaaagg ggacgtgct gagaaaccag agaccggag tggaggggtcc 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
 aggccctact tcttgatgtg tcagtccagg gttcccagaa cactctgtgg tcaccaaagc 180
 cctctgtgtc ttctctaagg cttcagcagc tacagcatat gggattcccc actgagcagg 240
 ctgcggtggc cttggcagct acagggcgtg tagagggggc agtgtccctg ctggtggaag 300
 ggctagtgga taccgaggcc ctagtgactg aggagaggag tggccagcc cactgcaagg 360
 aactgggggt ctcatagtct aagaagagag tagacctggc ctgagtcctt acctggtctc 420
 ctgagggcctt ggtgggggtct tgaaagcatc ctggggcagg agcaggcccc accatgttcc 480
 cctggtactt tgtaaga 497

<210> 9818
 <211> 563
 <212> DNA
 <213> Rattus norvegicus

<400> 9818
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 agccagataa gcattctcta gcagggcccc gaggtccaag ccaagtgcct tccaggcctt 120
 gtcctcagca cctgctgtag tatgtatagg gctgagccca gaggtgaac aagactaagg 180

cccgggtccc cagcatatca tccatcgatg tgaatcatgg ggaaggggaac ccgtccagcc 240
 caccctcct cagcaggagc tgtgaagagt cccttcctc cgccctggcc agtctctttc 300
 atctccacag ccaagccaga atctgtcttc atgaggaaat acccagggaac caggagtcag 360
 aggactatct atcgatgagg ggcctcagcc tctccatagt aaggggtaag ggacacctga 420
 ggcctagcct ccaccctgca cctcgagggtg ccattctcca 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 atcgccctta 120
 ccgggctcgg aagaagtgcc agttcctgct ggcttgacc aatgaaaacg aggctgctct 180
 cacaccctg gctctagact gtgccagagc ccaccgagcc catgctgtga cagttgagga 240
 gatggcaacc cttactgggg agctagaacg gctttgggga ggcccagtac cacctgcacc 300
 aaggattctc attgaggagc ttctggctg 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 tgagtgcagc cagtccatgt ccattcagga 120
 acaaggctca tctcatgcca gcctgacagt ctcgtgtccc acaccaagtt cagccatccc 180
 ctaataccca catgttgagc ctgaggggac agtgaagagt tggaaccatg tatgggatag 240
 tgctagtagc tgctggtatg ttattttagt tattgagaaa ttataatag ccttcttcgt 300
 ctaatatatt tccgtgttat atctgtaatg tatgcttggt 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

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tgggtgtggg gtgctgtctg gccccgacac cgcttctctt tgcagggttaa tatccgacaa	120
agggataatt caggacacgg ggcccagcgt cggatctctc gccatcagcc aggtcaggcg	180
tctaccacgc 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 cctgggttcct 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 caccatcag gagaccgggt gtctgaagtg gactgtgtaa	360
acctggcatc agggagaagt accccaact ctcccaacc caccagct catccacaaa	420
ggacagcgag aaaggatcta cccattcacc cagcaaagct gtaccctgcc gaccaagga	479

<210> 9824

<211> 360

<212> DNA

<213> Rattus norvegicus

<400> 9824

ttctacatct tcaacttcct caaatitaca ctctggccat gcctggctgt ggccctcgtg	60
ccctggatgg tgcatacatt gaggccccag gaagccccac ccattcgctc ttcttgatga	120
gttttgctc cctctcccca aagacaacac tccttgacca ccacaggagc aggcccgctc	180
accttgaact ccatttctgc ctcatgcttt gcagtcttac cccctttta aaaaaggacc	240
tctgtttcca ggaggctaag cttttcccca ggtccccaca aagcaagaac aacgggaggc	300
ctgggtgggat ggggagctgg gttcctgaca ctgacaagct gctcaggaag gcccataa	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 agccatgggtg gggcggcggn ccggggacgg	60
tggccacaat gtgcaataac gtggtgtccc ggggccgggc gcggcggcag acccgggtgg	120
catggggggg tgctgtttct agccagctac ctcggttaact ccaattcatt cagggttaact	180

tcccatggg 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 ctccaggctat cccaatgatc ccaagaccaa 60
agcctggctg aggaacatg tggaccctgt gtttggcttc cccagtttg 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 gccagcca 239

<210> 9828
<211> 492
<212> DNA
<213> Rattus norvegicus

<400> 9828
ttagctgtcc agaactcctt ttgttacttg aactactaat tgaagattga cgtgtccaaa 60
gcctcagggtt tggctctggc agaggagtgg acagcagctg attgagatac aagcccatct 120
ggagacagga ctgccactga cagaagacat gggctgtgtc taaatccaat ctgggacccg 180

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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 aagggtccctt ttgactttat 420
tcaacccaaa gttactgatt tttccttaaa ataagatctc tcccatagta tgctacctga 480
ccttaaacaa gt 492

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<210> 9829
<211> 526
<212> DNA
<213> Rattus norvegicus

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<400> 9829
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ttgtcatggg ccacttttct tgtacggttc ccaggcccca aaatccagcc agtgagatta 120
ctttccagtg catcaattat gggtcagctc aaaagttgaa ttttaacaga ccacaaaagt 180
ctttcacctg ctttaaattct gggcacattg ttacttaact gctcccctcc cccatataca 240
ctctatcttt agccatttct cacagtgcac ttggtaatga ccggggggagg ggggaatgaa 300
tgcgcttttg taaagctatt tccaaaccaa cggtggaata tttttgtaga ttccaaaacc 360
caaacggttt attttttttt aaaaaaata ggggggtctc ttttttcttt tttttttttt 420
ccaaataaaa gtcggggggg gatcatatgt tggcaagatc agaggacaaa ttgtaggagt 480
cagttttttc ctttccacta agttgaccct ggtaacgaca cattaa 526

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<210> 9830
<211> 560
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (129)..(131)
<223> n is a, c, g, or t

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<400> 9830
atccactcag ggttcttaat ggtgctgtat gtgatcttga taggatttgc ttaaattggcg 60
tgtgcgtgga atcgagatct ctttaaggctc aatcaacatc gtgtgcagaa gccaagtgca 120
acgggcatnn ngtgtgcact tcccggtgtg actgccattg ttctgagggc tttcaacctc 180
ccagctgtac acctaaggaa ggaggagact catcttggta tggcaggcaa ggtctgcccc 240

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tggaaggagc ttctaggaac cgtgagaaga agtggctctt aagtttgtac attgtcttaa 300
ttatcctcac gacagcagtc gtcctaggca caggggtggaa aggcttgaaa aagtgtcgct 360
tcaaggagga ggaatccatg agcagcgaaa gcaaatacaga agacaacact caaacgtaca 420
acagcagatc aaaatccgag gcaagcagtg gatcacctac gagcagttaa ctgctacccc 480
ttcaggagga agaggatggc acccaggggc tcactgagaa atgaagagtc cacggctcttc 540
ccttggtcac agctgaagga 560

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<210> 9831
<211> 555
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

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<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
actcgcgag gagttattaa ggtctttaag tttgaagact tgcaagctgc tctgcgggct 360
gcacaagcca aggcgactta aagatgaacg aggtcctcgt aagataaaga gaatgcaaaa 420
atgcatgtca agaggggaca aggtagaact ccagtcacac gttctggaga gccttcatct 480
atatcgtggg gacgcaagag gttttggatt tggataccac ctgacattgg tgggttactg 540
atgctcacac tcgaa 555

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<210> 9832
<211> 507
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

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<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
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 ccaacaancc aagagctgct tctgcttatg cggttggaga cgtcaaattgc ttagtcatgg 120
 atgttcaagc atttgagagg cttctgggcc cctgcatgga catcatgaag aggaacatct 180
 cacattacga agaacagctg gtgaagatgt ttggctccaa cttggatcta ttggaccccg 240
 ggcagtagat gtgatgaatc tcggagcctt ctcaagtgtga taccaaattcc ttccagtcag 300
 ccacaagaac acaccagaa aacagacacn nnnnaactgc gcctgctgct gtctctgctg 360
 ctgccatcgc tgtggtaaag ggcacttaga agtcttgaaa gatggacaga ggctctaccc 420
 acaccacct 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 gaagaggggtt ggcagtactg 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 cagattatTTT ttagaacttg gctctaaaga 420

ccccccaag 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 ccacaaaat ggtgacatga tcgaccaga cctgcagacg ggtcttggag 120
 ttctgttcca cctgagtgga gagttcaacc gagcgatcga tgcatttaac gctgccttaa 180
 ctgttcggcc agaggattac tcgttgtgga accgacttgg ggcaaccttg gcaaattggag 240
 accgcagtga ggaagctgta gaggcctaca cgagagcact ggagatccag ccaggtttca 300
 tccggtccag gtacaacctg ggaatcagct gcatcaacct gggcgcctac agagaagcgg 360
 tcagcaactt tctcactgcc ctcagcttgc agaggaagag caggaaccag cagcagggtcc 420
 ctcacctgc 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
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 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 cgacgtgca tgttaccttc ctgtaggatt gtgtgaactt gcagaatctg 60
 tgcttatttt tactttattt ttggtccatt tagtagccta tccagtactc ttctgacctg 120
 tgaaatggag aattacttat gtctggattc cagccatata cttgatgtga ccagcatgaa 180
 ggggtgtctca catgtatgcc agggcttgct gttgaaatgt aaaatactaa ctattctcct 240
 aacgtctttg cctcagttga ttcaagtttg gctttcaaga tgtacacccc taaattccta 300
 actaatatag ttcttttggt caatcaactt gggagtttaa atgggttctta ttgaattaaa 360
 agatctaatt gtgccccaaa agtgctttac catgc 395

<210> 9838
 <211> 436
 <212> DNA
 <213> Rattus norvegicus

<400> 9838
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 cagcaacctc caacatgtca ggagcccgcc actgccaac atgcttggcc ctggagccct 120
 gttccagtgc cccctctatg ccctgtgcca atggcacaac tcagtgttac cacgggaaga 180
 gtcgagctct ctggaggagg catggactcc gtcgtgcatg ttaaaggctg caccactgca 240
 atcggctgca gactgatggc caagatggag tcggtgggac ccatgacagt gaaagagacc 300
 tgtagttacc agtcattcct tcacccccga atggcagaga tcggggcctc ctggatgcc 360
 acctcactgt ggggtgctgga 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
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 ataaaccaga cttatcagaa gttgaaacat ttgacaaatc aaagttgaag aagactaata 120
 ctgaagaaaa gaatactctt ctttcgaagg aaactatcca gcaggagaaa gaatataatc 180
 aaagatcata aaatgagatt ctctctctcaa 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
 ggaagtcggt cctgcccgtg gcactcattg tgntgggnan tcatgattgc ancntcaagt 60
 ttatagagat ngncagaat gnnnnngant ttgncatgtn tntggagcat gtcctgttcc 120
 anttcaatga aaaccagant gatgattttg ccnacaagtt cctgagagtc cggagaagtc 180
 ttcgtaagaa atatacgagc aagtattttg tagacctgga gatgggccgt acactttgtg 240
 ggaaatatga tgaagacatt gacaattgtc cattgcagga aggccagga 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 ctttcccnng tgaatttctg ttacctgcc ataaagtcaa gcattcagaa 120
 ggtgttatag tccaacaggt caatgatgaa acagatttcg aagccttacc ctgggacgga 180
 aacaatccaa gtgtttctga cagttttata gaccaggaga cctctgtgga tgtcattgaa 240
 ggtgacagtg actttgaaat ggttgagact tccagggaac tctgctgtct gagcacatca 300
 ctgtcccat ctgttccact cccagcatt gaagggtgga 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 aggcattggac gcgtccctgt ctcatcggtc actagtggca ctttcagaca 180
 aactttcggg attaaaacag cagactatcc ctctgaagaa gaaattggag tcctatttag 240
 atctaattgcc 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 ttcccatga ggnacctctc ctgatccatc cgcactttac 120

tantccagnc tgaaagccca gaggttccctc ggccccttcc cctgactatg aaggacaact 180

gattccatct actaccnat atatcagaga tcaacactaa gggncagtg tnnccagagg 240

gccctccag gctccctggc cactgctgcc caccctctc cccacttcct gatgtcaggg 300

attagagaaa tggggttcca ccccgtcac aggtgaaatc caggctaattg aaaccagcg 360

ccattcngcc attcacttt gccctcgca cctgcagcct ctccaccctg cagccgcccc 420

acaaggagcg ctctagctc ccaaagg 447

<210> 9844

<211> 445

<212> DNA

<213> Rattus norvegicus

<400> 9844

gtacgagctg gactatggca aacatgagct agtcaacata aggaagggtg agcccctagt 60

ggacgtgttc cggaagctgc cattccaggc agtcactgct caacttgcag gagtgaagtg 120

cagccaatgg tcggaagagg cttcaatggt gtttcgaaat cacgtggaga agaaaccct 180

ggtggcactg gtgcagacag ttattgaaca cgtaaccct 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
gccaaagtag atcaggtcct gcacacacag acagatgtag acccagctga ggaatatgcc 60
cngctctgcc aggagatcct tggggtgcca gccacaccag gtaccaacat gccagccact 120
tttggccacc tcgctggtgg ctacgacgct cagtactatg gctacttgtg gagtgaggtg 180
tactccatgg acatgtttcca cacacgcttc aagcaggagg gtgtgcttag ccccaagggtt 240
ggcatggatt accggaccag catcctgagg ccggggggct ctgaggatgc cagtaccatg 300
ctgaagcagt tcctgggccg tgaccccaag caagacgcct tcctcctgag caaggg 356

<210> 9846
<211> 536
<212> DNA
<213> Rattus norvegicus

<400> 9846
tcatcagagg tatcctggag tgcgttggtc agggcatcca gatgactgac taggaactta 60
tttcacagtt cagggacaag acttcatagg ataggtagcg attaagtagg caggaattag 120
aactcttccc tgccataact 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 ctacgcttcc 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
 ggcacatcct tggacgaagg tctttcggcc ccgaactcca ccagaggcaa tcgcactgtg 60
 tagccgtctc ctggagtaca cgccgaccgc cgggctaaca ccactggaag cttgtgcaca 120
 ttcatttttt gatgaattac gggacccaaa tgtcaaacta ccaaattgggc gagacacacc 180
 tgccctcttc aactttacca ctcaagaact gtcaagtaac ccacctctgg ccaccatcct 240
 tatccctcct cacgctcgga ttcaggcagc tgcttcacn cctgcaaacg ccacagcagc 300
 ctcagatact aatgctggag accgtggaca gaccaataac gccgcttntg catcagcctc 360
 caactctacc tgaacagccc caagtagcca gctgcgagc gaagaccagc atttacttga 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 tgccggctttt gcagccagcg 180
 aaggccactc ccaccctcgg gtagtcgaac tgccaaagac tgatgaaggc ctgggtttta 240
 acgtgatggg aggaaaggaa cagaattctc caatttacat ctcccgcac atccctggag 300
 ggggtggctga aagacacgga ggcctcaaaa gaggagacca gttgctatca gtgaacggag 360
 tggcccttga agaaaagcta gcaggctcaat catccaacag tcacaaattt gggaaccgct 420
 gctccggaat ccagcacat agaaa 445

<210> 9849

<211> 505
 <212> DNA
 <213> Rattus norvegicus

<400> 9849
 agtcctcaag tgaccagtct tctgatgtat cttcaggcga acaagtttca ggtgaaaagc 60
 ttgaagagggc aggtgaacag gtgtctggcg aagacaaagg aaacgaagtt ataagtacac 120
 cacttccaag cacgtcttca ggtgggataa taaattgccca 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 cctaattcttt attaa 505

<210> 9850
 <211> 451
 <212> DNA
 <213> Rattus norvegicus

<400> 9850
 aatcttcttg aagggctgac acgggagatt ctgagggagc aaccggacaa tataaccagct 60
 tttgccgcag cgtattttga gaaccttcta gagaaaagag agaaaaccag ctttgatcca 120
 gcagaatggg gggctaaggt agaggaccgc ttctataaca accacgcatt caaggacca 180
 gaacaagctg aaaaatgtga acaagaaata gccaaaggcat ctggaagaga agaaacacca 240
 gtcactccct tcgaggagtc tactgaggaa gaaagagaac aagaggaggc agctgtcaaa 300
 atccagtctg ccttccgggg acacgtggct agagaagagg taaagaagat gaagtcagat 360
 aagagtgaga acgtgaaaga agaggagaac aattgagacc acaggtttta ccccaggaa 420
 acatgaaaag taatccaaag ccatcagtg 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 ctctgccgc cacaggaggc ggcatcgag aggctgcaga agatcccgaa 120
ggaggaggag ctgcagggtgc aggaaatgca ggtggcacta ttattaagcc tccccaggnc 180
gatccattct gcctggagct aaggaagtca cctgcctcag gaagtcacct gcccaagcaa 240
agtcatgtaa ggccacaaca ccattccatg ttgatattctg 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 ctctctctcg 60
cctcaaagtc acaccaataa ccagtgtgcc tgcagccacc actgccggag ctgcagccaa 120
gcaggccacc cgagctccag ttccagcccc agcncctggcc cgccgacgaa gcacccccaaa 180
acacccatgc actctcggtta ctacattca agaccagcc accgcggcag ctgccccaaag 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
tcaactgcaa ggtgcagggc ttacagcaga gctgccggca catggaggct gagctgaagg 60
aattaacaag tgcgctgacc actcctgaga tgcagacaga gattcaggag ttgaagaagg 120
agtggtgctcg ctacacagag agactgaaaa acatcaaagc agctaccaac catgtcactc 180
cagaagagaa ggagaagggtg tacagggaga gacagaagta ctgtaaagag tggaggaagc 240

ggaagagaat gaccacagag ctgtgcatg 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 ttgtctaattg 180
 aagccctgag gaaaatatta cggagggatc ttccagtgc acgcactttg attgactggc 240
 aacggatcct ctctgacttg aatctggtga tgtaccccaa attaggatac gttatttact 300
 ccaggagtgt gctgtgcaac tggataatat aaaaggttgc tgctccacat tatcgtctca 360
 agccaaagtg ctttctggga agtcagtgt 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 tgggtgcagga ggcagacggg taaaaatcgg aagatgaagc 240
 taatcgcat cgctggcag caaaaaacgc 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
 ccaaggcggg ccaggcggcg gcggctcctc tggaggaccc accattgagg aa 532

<210> 9856
 <211> 501
 <212> DNA
 <213> Rattus norvegicus

<400> 9856
 ttgaactatg attgcacccc agaaaaatgc aaccaccatg gggatatgtaa taacaagaag 60
 cattgccact gtgagcccac atacttacct ccggattgta aaaatacggg ggatacatgg 120
 cctggtggga gcgttgacag tggcaaccag caacgggctg aatccatccc tgcacgggtcc 180
 tatgttgcaa gtgcctaccg ctccaagtct gcaagggtggc cttttttcct gatcatccct 240
 ttctacgtgg tgatccttgt cctgatcggc atgctggtaa aagtctattc ccaaagaaaa 300
 aaatggagaa tggatgactt ctcaagtga gaacaatttg aaagtgaag tgaatccaaa 360
 gactagtctg gacagcaaag attccagtgt catgtaattc tcttcagtgg acagaaaaaa 420
 aagtggaaaa gaaaaaccta tgcacatctt gtttgcctga aagtcaagcc tgcattgtgt 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 tgtaagcag aatatctcaa agatgttcgg gcaaggagag 240
 gaagagttta gtgaaggatc catatcagaa gaaattaacg acagcaagca gtcataagagc 300
 caaagcattt atgcaacagc aaagccacaa cagaaaaaga tcaccaagaa agtcaccatt 360
 ccttggctctt atttcgagaa caagaaccag tccatctctt tctccgtggc ttactggttt 420
 cagttatcca tgcttcaaaa 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 ttagaccac ctttctgtcc tgatcctgag gccatttatt gtaaggatat	180
cttgatatt ggacagttct ctgtggtgaa aggagtcaac ctggacacca atgatgagat	240
cttctacact caatttgca caggggtgtgt caccattccc tggcagaatg agatgattga	300
atctggatgt ttcaaggacc tcaatgaata tgaagataaa ggtctgtcac cacttgaaaa	360
acacaagata tgttcctgta ttcttagacc aaagagaaac ttcttcata 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 tgggtggcctc ttctcggtg ggaagtgcc a gcagcagtca caccaacatc	60
caagaaagca acaaagccag ctcgagggca cagcccgcc aagacggcaa ggacaagaca	120
gatcctctgg aaaacaaaat gcaagcgggg gaccacgagg cagccaaggc tgcagccgat	180
gagacgatga agctacagtc cgaggaggtg gaggaagagg aaggtgtaaa agaagaggag	240
gaagaggaag aagaggaaga ggagacctc aggatggtac ctgaggagcc agaggacagg	300
ctggagacag atgaccagga aatgaagaga aattcagagg agacgttgaa gagtgtggag	360
gaagaaatgg acccgaaagc tgaggaggaa gccgctgcc tgggacttgg ggtccctcca	420
cagcaggatg ctattctgcc agagtactaa ccngcttcc tttagggccc caggccaacc	480
ccagcatttt atgcactttg tccttcagca aggtggggaa gcatgataag cactatagt	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 cccccttga gggagggact tttaaacttg	120
aactattcct tccagaagaa tacccaatgg cagcacctaa agtacgtttc atgacaaaa	180

tttatcatcc taatgtagac aagttgggaa gaatatgttt agatattttg aaagataagt	240
ggtccccagc actgcagatc cgaacagttc tgctatcaat ccaggctttg ctaagtgtc	300
ctaattccaga 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
ggctttttcag tggaagccat ttacagctaa atgtttaaat gaatgaaaag ctaggtgaag	120
aacatgaatg ttcctgtact cattttattc caaaagacct agagcttaaa tgaacattaa	180
agccaaccag actaagccaa cccacctcct gtattttaaa gtctaattgg tcaacaaaaa	240
tagatcggca ctatcgggtcc ataaagtgtg cctggctttg ttcccaaadc 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
cccaaacgt 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 catgttttagc 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 cacatccac tagtagaaga ggtgtctcca tggaagactc ggattttgaa 240
 gaggtcagca gttacagtat gtggattcgg gctgctgctt ttcactctgca agctaacttt 300
 ccagagaaaa tgataactaat 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 ttaaactg tccttctcct gtaagaactt tttttttttt 180
 ttgagcattc gtttgggggc tatttggtta gttagtaaga aacatttgtc agtcatccca 240
 cagcaacttt acagataagc ttatacccaa aagaataagc ctgtttcata aatcaatgta 300
 tctgaaaccc atttccttggc ctaaattattg tgtacctatg agtacctaaa cttgcagcaa 360
 catttttagga gctccatttt gcaactgact 390

<210> 9865
 <211> 403
 <212> DNA
 <213> Rattus norvegicus

<400> 9865
 agcagccagt actgattacc acaagaaagg ctttgttatc cctggactga ggggtgaatgg 60
 gatggatatt ctcaagtgtc gtgaggcgac caagtttgca gctgatcact gcagatccgg 120
 aaagggggccc attgtgatgg agttgcagac ataccgttat catggacaca gtatgagcga 180

tccagggatc agttatcgta caccagaaga 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 gttatcgta acaatcagtg ctctacaagc	120
aacttgcaga agcagctgca ggctgtcctg caatggattg cagcgtctca gtttaattgtg	180
cccatgctct acttcatggg agatgatgat ggacaactag agaagctccc tgaagtttca	240
gctaaggcag cagagaaagg ttacagtgtg 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 aatgtacca	180
ctcaagataa actggtgggt ctgcgcactt ccctacagtg ttctcatctt catctatgat	240
gaagttcgaa aatcatcat ccgcagacgg cccggtggat ggctggagaa ggagacgtac	300
tactaattgc atcagagaaa gatcttcaca tgacatcagt ctcgaagcca agactgagta	360
taacaatgac atctgagata aagctgagca gggggcgcca 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 gagccagggt cagcatttcg gaactgggca 60
 tcaagaatgg aatggaaact ttgggcatcg aagacagcaa gcatatattc ctactagtgt 120
 taccagtaat ccattcactc tttctcacgg aagtcccaac cacacagcag tgcattgcca 180
 tctggctgga agtgcgcacc tcggaggaca gccactctg cttccgtacc cgccatcaac 240
 tgccctcagt agtgctgcac ccgtggccca cctcctagcc tctccgtgta cctcaagacc 300
 tatgttacag catccaactt ataatatctc ccattcccagt ggcatagtcc accaagtccc 360
 cgtgggcata aatccccgcc tgttaccatc cccgaccatt catcagactc agtacaacc 420
 aatcttccct ccacattctt acattgcagc atcgctgca 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 ccattctcag aagcaaatag aagagcaggc cgagaatgct caggacagtg 120
 ggggtggagct acttaaggcc ttagagaccc ttgtggctca aaataccact ggccccgtct 180
 tctacccag gctctaccat ttgatggcct atgtctgtat actgatggga gacgggcaca 240
 gttgtgactt cttcctaaac acagccttgg agctctctga gacacagggg aatttgctgg 300
 agaaatgttg gctgagcatg agtaaggaat ggtgggtactc 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 ttatttgccg agcaaaatgg gagatgctga agcaggcaag aagattttca 60
 ttcagaaatg tgcgcagtgc cacacagtgg agaaagggtg gaagcacaag acagggccaa 120

atctctgggg cctttttggc cgaaagactg gacaagcacc aggattttct tacacggatg 180
 caaaca 186

<210> 9871
 <211> 290
 <212> DNA
 <213> Rattus norvegicus

<400> 9871
 aagggccaag gagctcaaag tcagagtcac taaggccaaa gggggaaaag gagacgtccc 60
 agacctgaag aagacagaga gtgaagggtga acaccgccag cagggcacag ctgaggacac 120
 acaccccaca tcaactggaca ggaagccttc tgtctcgga ctaacaaacc ctgtccatcc 180
 cagtgcgaat tctgacactg tcaaagaaga cccacactct gggggctgta tgataatgcc 240
 acctatcaac ctgacaagca gtaatttggt 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 aacgccaaag actcacgcca catcccctcg gctgcgccag attttattag 60
 agctactgcc ggcctccttc ggcttgagcc cccccccaga ggatcccgga gctgcctcac 120
 cagcgaggcg tgcctcatct gtgggcattc tgcttagagc ggaggagctc atcttgaaaa 180
 agccgcggag cgaactcgtg tttgaggagc agaggcatcg gcatggaact tggaccgcag 240
 ccgccctctg ccagaacctg ngtgctgcag cccctgaagt ccgctgctgt gtggatgctg 300
 tgaactttgt ggctgagagc acaagggacc aggaagccac tggagaggaa ctgtctgact 360
 ggggtgcgtat ggggaaggcc ctcgacaatg tctgtttttg ggcagcgttg gtgctcttca 420
 gcgtcggttc tacgctcatc ttccttgag 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 agatgccaaag 120
 aaccctggcc tacgccgga tgtgtttgtgt ggtgccatta caccacagca gatagctgtg 180
 atgacatcag aggagatggc cagtgcagag ctgaaggaga tccgcaaggc tatgaccaag 240
 gaggccatcc gagagcacca gatggcccg acaggtggca cacagaccga cctgttcacc 300
 tgcaacaagt gcaggaagaa gaactgcacn tacacgcagg tgcagaccg 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
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 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 ggcggcggtta gactatcaca ggcagtcac 60

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cgagatcctg caggagctgc agaacaagct agagctgcga atagctcttg catcccaagt 120
ccctaggcga gactacatgc caaagcctgt gaacacgagt tccaccaatg ccaacggggt 180
cgaacccagc tcttcgtcaa agttaacagg tactgacatt ccctcggacc agccctgctg 240
tcgtgggtctc tatgactttg agccagaaaa cgaaggagaa ttgggattta aagaagggga 300
catcattaca ttaaccaatc agatagatga aaactgggtat gaaggaatgc tccgtgggga 360
atccggcttc ttccctatta attacgtgga agtcattgtg cctttacctc ggtaaat 417

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<210> 9876
<211> 500
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

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<400> 9876
aaaatgactg gagccggttc tcgatggaag agcaaagtcc tatgacagag ttgnttcccc 60
aatatacacg gaaagtcaaa accttcaacc ctcaccggtc ctctctctcc tggggaagat 120
tcacaaaccc aggcgtctcc cagaagaaag caacacacac ttgggaatct cagtcactgc 180
ccaactatca gcttaaaaag gaggagctgc ttccgaagac aggagtgcac tcataccacg 240
gtggcaagcc ctatgtgaag agtgtaaaat ttcagaagaa aaacactgac aaaatgagta 300
ccttcagcgg cttatitttg gggaaccatc ccagaggaa gcgcagaggt ttcgcagata 360
aatgctgtgc tatagggtgc tccaaagagg agctggccgt cgcatgcctt ccgtttgttg 420
atttttaaac cttaacgatt aaacaaacat cactggtgac agagatgtac aaactgccgt 480
agaaaccatg ctcaactaat 500

```

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<210> 9877
<211> 566
<212> DNA
<213> Rattus norvegicus

```

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<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

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<400> 9877
gacagaccta cagtggctgc ttcattgcag ctcaagcccc aaggagacgt ggaggacatc 60

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acttgtacct tttagactgag 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 ctaaggggtgt cttggngtgc gcctccccct 540
tctgggtctg cttttctctg taataa 566

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<210> 9878
<211> 522
<212> DNA
<213> Rattus norvegicus

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<400> 9878
acgagttcat gtcgctgcct gagctgcagc agaatccact ggtgggccga gtgatcgaca 60
tctttgacac agacggcaac ggggaagtgg acttccgcga gttcatcgtg ggcacctccc 120
agttcagcgt caaggggtgac gaagagcaga agctaagggt cgccttcaga atctatgaca 180
tggataatga tggcttcac tccaacgggg agctcttcca ggtgcttaag atgatgggtg 240
gaaacaacct caaggactgg cagctgcagc agctgggtgga caaaagcatc ttggtcctgg 300
ataaggatgg tgatggccgg atatcctttg aagagttccg tgatgtggtc agaaccatgg 360
agatccacaa gaaattggtc gtgtttgtag atcacggtca agaagactaa aagcttaaaa 420
ataagagagg tgtacatctg tgcctttctt tctcgagggt gtgtacatgg gagaagacaa 480
caattctcat ggagtattag gaactccttt cgtttacctg tg 522

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<210> 9879
<211> 511
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t
<220>

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<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 gccaaagtgg gtataccgaa gaaaatgatg aggccagcca cagtgacagc 120
 gacattgacg ataatgtgaa cgtcatcatt ggtgacatta aagcaaactc ctccatgtat 180
 atggagatgt tcactaatat gaactcacia gctgaccaag acctgaaact aactgaatca 240
 gacaatgcc a 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 cctaaccac ctgcctcctt ggtgacaacc agtgacgggg 420
 ttgagtgtgg ctgctgacct gctgctgaga atctctgggc tacgtgctct gctgctggcc 480
 cctttgctac agctctcaag cagtcgccc 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 tgggtggtgga 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 cagccgcac cttccagacg gtcatcgaag atgaagacct 60
 tttttcagga gattatttat tctactggtcc catgacncat tccagaagag gttctttcaa 120
 cttctttaca gtcaccccca ttatagacac agggttttct acttttgtgt cccaagaatc 180
 caaatcgagt cccgatgact ctgaagcctt tgtgccgtat ataagccatg gaatgggaaa 240
 gttcagactg gtcaccactt gtagccagat aatgaatggg aagagagttg tcacaaagag 300
 agttgtagag aacattcaag gaccaaagaa aatagagaac gaacggctat ttcgttgga 360
 tccctcacgt ggttggaat 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 tagacatggt gatcccccaa gtcccagggc tgacaatttt 60

tttggatcac ctggcagaga ctgtgaacga gatggatggg tcaggatgca cagtgatcat 120

cctcatcttg gctgctgcag agccaaggac tacaagggtta tcagggtcacc acatgggaga 180

gacttcgagg atccctttga aagatgtgag gactatttga gcccaaggac atgcagcaag 240

ccccagcatt cagcaaggac cttactagtc cattcagcac cttcaacaac tccaaagcat 300

tgtgcaagcc ctgtgctaaa cagagcctct ctcagggaaa gattccattc tgattgggtgt 360

tcacctcaa actgtgatga gatccatgac cgggtaaaag atgtcttgaa atcacatcaa 420

gctcatggaa gacatttatg tgaagagcga gaccagaga 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

gaaccagca tatttcttca aatggtaact tatcacagcc aagcctttat tacagaagaa 60

tgtgctgctt ccaatgtcaa aactctacaa tatagtcaca acttcagtt 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 ctctccagt gatccatgct acagaaattc ttgctcagaa tgctaagggt 300
 gaaggcctcc agagtcgatg aatagcctgt gtccaatgag tgtccatctc atgtttgacc 360
 tgaaggggtga 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 tggcctgcmc ttactcaag cagctgaagg 180
 gtcctttgag tgatcaggag aaactgctgg tgtacagctt ctacaaacag gccacccagg 240
 gcgactgtaa catccctgtc cctcctgcca cagatgtgaa agcaaaggcc aaatgggagg 300
 catggatggt aaacaaaggg atgtccaaga tggatgccat gaggatctac attgccaag 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 gcatgtttta taaagccaag tgtagcatt agtttcaatg gggaaaggat 120
 ggacatccaa gcaggaagtg catgcaggaa cacggagatc tccttcaaat tgggggaaga 180

gtttgaagag accactgcag acaaccggaa agtgaagagc cttataactt ttgaaggtgg	240
gtcaatgata cagatccaaa gatggcttgg caaacagaca acaattaaaa gaagaattgt	300
ggatggaaga atggtagtgg agtgcacat gaacaatgtt gtcagcacta ggacctacga	360
aaggggtgtag 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	
gtgcaagc ctgactatgc attgagctct gtgggagcct ccatcgacct ggagaagaca	60
tccagtgact acgaggaccg gaatactgcc tacttctgga accgattaag cttctggaac	120
tacgcccgcc caccctctgt catattggag ccagatgtgt tccctggaaa ttgctgggct	180
tttgaaggtg agcaaggcca ggtggtgata cgactgccag gtcattgtga gtttaagcgac	240
atcacctgc agcacctcc acccactgtg gcacacaccg gaggagccag cagtgcgcc	300
cgggacttcg cagtctttgg gctccaagct gatgatgacg agactgaagt gttcttggga	360
aaattcatct ttgaagtga gaaatctgaa attcagactt tccacctcca gaatgacct	420
ccatctgcct tcccaaggt gaagattcag attntaagca actggggcca cccacgcttc	480
acatgcttat atcgagtccg tgcccatggt gt	512

<210> 9889
 <211> 525
 <212> DNA
 <213> Rattus norvegicus

<400> 9889	
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atggcaaaga gaaggttctc ataacaacca atgtctgtgc tcgaggaatc gatgtgaagc	180
aggtcacat cgttgtgaac ttgacctcc ctgtaaacca gtcagaagag ccagactatg	240
agacctacct ccaccgtata gggcggacgg gacgctttgg gaaaaaaggt ctcgccttca	300

acatgattga agtggataag ctgcccctgc tcatgaaaat acaagaccac ttcaatagca	360
gtattaagca gctggacca gaagacatgg atgagattga aaagatcgaa tattgaagag	420
agagaggcct ttgttgtttg tgggctgtcc tagttgatgt gagaatgttt gagcagagtt	480
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<210> 9890

<211> 527

<212> DNA

<213> Rattus norvegicus

<400> 9890

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gataaaggcc accaggaagc acggttataa acctggctct acacctatta gcaccatggt	180
tgagaaagga cattggactg agattctgaa atgggtgctaa tagctatgta actcgaaaat	240
gaaaatgttc ctctctgcct gtgtttcttt gagtatccag tcaatgatca gaacaagtag	300
cccattcagt gatctgtgaa attgttacac aagggttggc tactctatgc tagccatggt	360
tgatgtaaga actcagttta atagcatact tgagcaatca gggtaaaagt gttccaccat	420
gaacaaagggt atcaaatcac aaacctggct gactgcagtt ggatgttaga ggtctgttgt	480
aaatagtaga acatagattg cagactgact tgttgatttc tactttg	527

<210> 9891

<211> 521

<212> DNA

<213> Rattus norvegicus

<400> 9891

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gcaatgtgga gacaagctac ttcatagccc ttcttctccc agtgagcatg ggctggacct	180
attagataca acagagctga acatggagga tttctgatgg gacttaggct tctccccttc	240
tccacttacc aactgcaag gccatgagtg agcaaacgaa ggagtaaaat gaagcattct	300
ttgggtccca gccaaagtact ttaagggaaat agagaaatgg cttatttcaa acctccattt	360
ctttctgaag tgggtgctgt atatagatgc tatgagccct gtgacctta attcacccta	420
gctttatgct ttgacctgtt tgaagtgggt ggagttgggt agggagcttt acctcagtat	480

tgaagtttaa taaaccttct gtttgatatc tcttcccaa a 521

<210> 9892
 <211> 459
 <212> DNA
 <213> Rattus norvegicus

<400> 9892
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 aaaatattga caaattccaa gtcactctcc tagatgagct ggaaaaagtt gaaaaagact 120
 cacagacttt acgagacttg gagaaagagt ttgtggacat cgaagaaaag atagttcaca 180
 agatgagggc atttcaccaa agtgagcgag aaaggtttcg tgctttgaaa acttcattgg 240
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 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

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 ctgcagcagt aacatttttag gatcggtgaa cgtctgcggc tttgaacctg atcaggtcaa 120
 agtgcgcggt 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 gcggtccttg tggccctgtg ggtccctgcg gccctgcga 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
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 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
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 agctgcctgt gcttgtcctt gtccgatgaa accatgctgc ccaacgaagt gtacatgctg 120
 ccctaaaaag tgcacctgct gcccacagcc cacctgctgt gttcaaccca cctgctgctc 180
 ttctgaaaac aagactgagt cagattctga tgggtctggt caaactcagg ataggggtgc 240
 tcaaacacag cagtcccctc aagggtggtca aggcaattgg aaccagaaga agaccaagta 300
 aactgtccct gacaccatgc tcacctcaa atggtgtggg ggattactac aggcaagggt 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
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 gtccagatct caaccagat ccacacccat gagcttcacc agattctgag gctctgcagc 120
 ctgcttgac acacancaca tctgcgagc catgcagtct cgccctaacc cacgggtctc 180
 cttccctaag aactaaagca acctggacga gaactgcggg ctcttggtc tagtgctctg 240
 gctgggcac tttggggtgc ttggtcctaa gcaactggcc cataacctca cttgactggg 300
 ggatgagaaa gggacttagc cacataagat ttgggtcag aaacaaggtc aggtgagtcc 360
 aggaagaaaa gagaatgttc ttgtctgtc aaccaagtcc ttctcagagt gccagagac 420
 ctccggattc accttggggt tagccagctt acccatcact tacaggttct ctccanctct 480
 tccttggtct cagtgtcctg gatcattagt caccaggtct tgttgagttt ca 532

<210> 9897
 <211> 581
 <212> DNA
 <213> Rattus norvegicus

<400> 9897
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 cgcagacagt gcgaagtggg 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 gtttagaggag 360
 accttggccc aggtcagat 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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acactgcaat ttataacagg tgggatctca tcaggatatc actgaagaga gcttctcgat 180
tttctggatg ctggaaccta ggataggtat ggggcagagg gagcactggg tcctattaga 240
gattgtttgtg gtgggcaccg gaaacaagac tgagcggctg cactctcaag tcctgcaggc 300
catgaggcag cggggaattg cgggtggagat acaggacacg cctaacgcct gtgccacctt 360
caacttcctg tgccacgaag gtcgagtgac aggagctgcc ctcaccccc cacctggaga 420
gactgcactt gcctcttctg gtcaaaccac agagtgaacc atccagaaca gtcaaggagg 480
gcactgagct tcgtgatct 499

<210> 9899
<211> 443
<212> DNA
<213> Rattus norvegicus

<400> 9899
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agaagatatc atgaacagga tgaaaaaagt gcttcacagt tttcacactc agtcccagt 120
cctctcggac agtgagagag acatgaagaa agagctacag ctgatacctg accaacttcg 180
acatctaggc aatgccatca aacaggttac tatgaaaaaa gattatcaac agcgaaagat 240
ggaaaaagtg ctgagtcctc agaaaccac cattactctc agtgcctacc agcgaaagtg 300
cattcagtcc atcctgaaag aagaggggtga 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

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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 cttcttgccg tctcctctct tcaacactcc cctgcgtacc cggttctagc      540
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<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

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<221> misc_feature

<222> (64)..(64)

<223> n is a, c, g, or t

<400> 9901

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agccaagcag agacacaaca tcacactact gtgggaccgc gaggtggcag acgtgttggt      180
tgatggctac aacgtccact atggtgcccc ctccattaag catgaggtag agcgccgtgt      240
ggtaaaccag ctggcggcag cctatgagca ggacctgcta ccaggggggt gcaccctgcg      300
tactactgtg gaggactcag acaagcagct cctcaagagc cctgagctgc cctcgcccca      360
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ggctgaaaag cgtccgccta cactgcgact ggagatcatt gataaggaca gcaagaccca 420
 caaactggac atccaggcac cactccaccc cgagaagggtg tgctacacca tctagcatcc 480
 acctgcctgt ctgtgccctg aacatctaata a 511

<210> 9902
 <211> 554
 <212> DNA
 <213> Rattus norvegicus

<400> 9902
 gaagggtggct cagcggggcac taaaactccc cagcactggg gaaggggaccc agttctacct 60
 gttcgagcat gtggacaatg cccagcaatt caagcagttc taccgcgcca ggatgaatgc 120
 cttggacctg agtatgaaga ccaaagagag gattgtggag gaggccaaca aagcctttga 180
 atataatatg cagatatcca gtgaactgga ccaggctggc tccatgctaa caaaagaaac 240
 cctggaggat gggctcccag tacatgatgg gaaaggagat gtacgtaaata gcccttttta 300
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 ggctgtgctg aggaagccta gcctgcagct cattctggct gccagtgtgg ccttggttagc 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 aaagtggtag aggaagatgg ccgtatgctg ctcatagcag tgctggaggc 240
 catcggggggc caggcctccc gtagcctcat ggactgtttt gctgacatcc tgttcgcctt 300
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 ctttccatct gcccgctctca gccctgagca gaaggacacc ttcagccagc agatacttcg 420
 tgagcgagtg aacaagagac ggggtgaagga gatggtgaag gaatttacac tgctgtgccg 480

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<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 gaccctatg cactgcggcc agtacggcgc ctcatlgaca 120
 actgtgcctt ccggctctat ggacactggg tgaagaaggg ggagcagcag aaccgggagg 180
 ccctcttcca gcaccagcct cntaggcctt tccccatcat tgccactgac ctggaaggag 240
 actccagtgc tatcacagag gatgaagtta ccttggtacg gagctaggac cttctccctg 300
 ggcaagccac gaagtaggac tccccaggag gagatcttct 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
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 tgtcttctgt ttagatttcc ttaagacagt ggctcttaca gtgtgcgctg ggctttgaaa 180
 tgccggaaat gccagagaa acatgggggt tggatttgcc gtgttgagaa aatagcacc 240
 gatagaattg aaacggatgg tggtaatttg tgatttttct agagactttt ctttttttaa 300
 caccctattt ctttgaaggt ggatttctag ctatatatcg catgtctgaa tatgtctggc 360
 tgttttgtgg cactcactgt gtttgaaagg aatgtgtcta gtccacttgg gaccatgcaa 420
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<210> 9906
 <211> 506
 <212> DNA
 <213> Rattus norvegicus

<400> 9906
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 atctgggcaa tcatgaaacc aactacacgc tacatgtggc tgagattgct gccaatatcc 180
 ctgaggccct accagaacac agagacctga tgttttctac atggatcaca gagcaaagga 240
 cagctctact gtccagaaag ttattcaggt ggctgggtgg ttagtgacat gtgtggagaa 300
 aacaacctaa atggtaaata caacaaaccc agagccaaat ccaaaccaga gcggagaaga 360
 ggaatctcct ggaggcctcg gggcggaag ctctactcta tcaaatacgc taaaatgatg 420
 ctccagcaga ccacctaagg aagcgtcagc tgaactgaga caaattaaaa gaccaacaca 480
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<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
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 <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

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 ntcaaattggc 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
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 tgggacatgt ctagtcttga tagtcactta tgacaacctg gatacattca actaggatga 180
 aatccattct gccttagccc attaatatgc ctg 213

<210> 9909
 <211> 213
 <212> DNA
 <213> Rattus norvegicus

<400> 9909
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 ggactggcag tgactgtaaa aggcactgaa aggcggggac ggggactttc gttccactgt 180
 ggtctttcat ttcccacttc atttgattca cct 213

<210> 9910
 <211> 287
 <212> DNA
 <213> Rattus norvegicus

<400> 9910
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 ggcagtggca gggcacacat ggcagaacaa actgcttaca ctgtgaggca ggaagaaaga 120
 aaagacgctt ggacccaagt gctacaatcc ctcaagggca tgttccaata acctaaaggc 180
 ctttcccca gctctactgc taaaggattc catcaccctt tgaataagcc tttagcccaa 240
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<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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 gcaaagacca gcaagaggca gcactggtgg acatggtgaa cgacggactg gaagacgtgt 180
 tcaggcgcac tgcatggcac tatctccata tcngtaagga ggacaagggc caatatagga 240
 aggagcttcc aggacacctg aagccatttg aaactcttct ggcccagaac aagggtggcc 300
 aatgcttcat tgttggtgac cagatctcct tcgccganta ccgcctactg gatttacttc 360
 tgaacctaga gctcctgttc cctgggttact tgaaagactt cccctgctc tccgcctatg 420
 tagcgcgtct caaagcccga cccaagctca aggccttcct ggagtctcct gagcatgtga 480
 accgtctcct tgctgcttgc ataaagat 508

<210> 9912
 <211> 274
 <212> DNA
 <213> Rattus norvegicus

<400> 9912
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 ccagtgatcc cacggcatac ctgtaagcag agacagaggc cagatcttct caaattccca 120
 gaaactggaa cacgtcctgc tcctgaagaa acgtgcattc taacagacgt gccatcagtg 180
 tggacacaat tctgattccg actcagcgtc actctgatgg gcgggctctg atctgcctgc 240
 tgccctggagg gccagggagt tttatgtttc cgat 274

<210> 9913
 <211> 401
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> (56)..(56)
 <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> (73)..(73)
 <223> n is a, c, g, or t

<220>
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 <222> (82)..(82)
 <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

<220>
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 <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 tgcaggggtct 180
 atctgatctg gatggacttt taacagatca gcagggagga gacttttgaa gaggaaatcc 240
 atcttgatac aaagccagat ggtgagacag aacatgnggg accgggnact cgcaggtgaa 300
 tgtgttggac attingggact gggaaaaaca gtaacaaagt canggtgtgt aagaccacc 360
 tcagtgccctg 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 caaccacnt aagtcgtctc tcacagcagg ccncaggatg 120
 caagagtaaa tggcgaactg aattgcccag ttctggtnnt ctgctcccca gtgaactgtg 180
 ttatcataat taacattgtt atgctgaatt ttctagaggg gtgctgacca cctgacccat 240
 ttttcatctg tgatttgatg aactggcatt ttaatacttt tctggatctt tgtatgaact 300
 tgtttggaat tgaccagtc acctcacact taatgatgna taaatcgttt gaacccttg 360
 tcaactgtcac ctgtcccccac catacaatat cctactttat tactgctgac tctattaatg 420
 ttccactact tactgcctct ttg 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 aagggtactga tgaagaggga 240
 gagtccagtc cagaggggaat 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 gatcccaaaa 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

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 ctgcacgatg acaaagaatt tcccaaccca gagaagttcg accctggcca ctttctcgat 120
 ganaaaggca acttcaagaa gagtgactac ttcattggctt tctcagcagg aagaagagcc 180
 tgtattggag aaggttttagc ccgcatggag atgttcttaa tcctgaccag cattttacag 240
 cattttactt taaaacctct tgtcaatcca gaggacatcg acacaacccc agttcaacct 300
 ggtttattgt ctgtgcccc accctttgag ctctgtttca ttccagtctn nnncgnnann 360
 gtntttcaca cagatgactg agaccctgct tctacttggt agcaaacagg tcctcctgtc 420
 ctngtgtacc tgtaactggc agtccttctt 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
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 tgagacaggc ggtcgctgtg ccaactgaaac tggctgagac ggtgtcccag ctatggccgg 120
 cgctgcagga gctggcccaa tgtggcaacc tctcttgctt gtctgacctg caggtggcag 180
 ccaaagcntt ggagacaggt gtgtttggtg cgtacttcaa tgtgctcatc aacctgaagg 240
 acatgacgga tgatgtatth 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
 agaccaaca 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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gggcaggagc aggactcgta tggcgggtggc tttgacgcga atcagtcttt ggtgggagac 180
attggagatg tgaacatgtg ggactttgtg ctatctccag aacagatcaa tgcagtctat 240
gttggtaggg tattcagccc caatgttttg aactggcggg cactgaagta tgaaacacac 300
ggtgatgtgt ttatcaagcc gcagctgtgg cccttgactg actgtttgtga gtcctgaggg 360
acntcctggg attacattct ctcccttgtc cctccttatg aaccttttaa ccccagcaga 420
tgttgtagat ctgttttgtg aatatggcct ttcacttntn tgctctgtgg tcctcagcac 480
tagagcatgg aatttaaag taaggcttcc agcatgtgca tcccactact ctttatcaaa 540
ga 542

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<210> 9920
<211> 521
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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<400> 9920
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gcaaacaggg atttattgat ctcccagaat tcccctttgg attggaaccc agagttgcca 120
ccagatggga tattcaaaaa tacgccagag aggcctacaa cctggggggtc 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 ggagtgcga 420
aaggggcagc agagctgatg cagcagaagg aagccaccac tgagcagcag ctgagagcgc 480
tcttcgaaaa acaaaaattc aaatccgcac agtagccaca g 521

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<210> 9921
<211> 458
<212> DNA
<213> Rattus norvegicus

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<220>

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<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

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 ttgtaatccc aagcatcaac tggggaggag aggttatccc acacgcagnt gcgcaggaac 120
 attcttggaa ggagatacag aaatttctca agcagcatct taatccaggt ttcaacagtc 180
 agctgtgagt ggacttgatt atattactgg aaagaggagc tgggcatctc ctggccagct 240
 ccaactctca 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
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 tcccgactgt cagatgccaa gcnc tagana 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

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 <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
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 acacacatac acagagttaa aaagaataaa aataaatcgn aaaaaagaag cacccattaa 120
 ctttcttttaa gtagatacng gcactgattt gctggttggt tgttggtggt ggggaaagca 180
 ngtattttata ttcgatgaaa agaagccaga ctctggtgac ctgtgtgtgt caggtgtaaa 240
 cattgtacat ctgcgggggg caggaggccg catgtcgatt cttttgactt tagccattct 300
 cgtaggtgta aagtgatact gtccccatt tttattctat ttctctggtg tgttacgaca 360
 atgaaaatat ttcacatggt aactgataac ctaaatacct tttgtgagcg acctgttcaa 420
 accttttgta gtttgtttaa catcgaccng aacttttcat attgacagga atctttgcat 480
 tcagaataca aatggctact gtccacgtgc actatacgca ctttttcagg 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

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agatggacac tgtcatcgct gcacttagtc gggacacaat tgataggtgg ggcaagctta      60
tgaccccnag gcaggtgaac ctatacatcc cgaaattctc catgtctgat acctatgacc      120
ttaaagacgt gctggaagac ctgaacatta aggacttgct caccaaccaa tcagatttct      180
caggcaacac caaagatggt cccttgacat taacgatggc ccacaaggcc atgctacaac      240
tggaatgaagg gaatgtgttg cctaattcta ccaacggggc tcccctacac ctgcgctctg      300
aaccacttga catcaagttc aacaagccct tcatcctcct gctctttgac aagttcacat      360
ggagcagcct gatgatgagc caagtg                                           386

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<210> 9925

<211> 372

<212> DNA

<213> Rattus norvegicus

<400> 9925

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gtatggcaac catcaggatc gatcctggac gctgactgca cccctggct tccgcctgcg      60
cctctacttc acccacttca acctggaact ctcttaccgc tgcgagtatg actttgtcaa      120
gttgacctca gggaccaagg tgctagccac gctgtgtggg caggagagta cagatactga      180
gcggggcacct ggcaatgaca ctttctactc actgggtccc agcctaaagg tcaccttcca      240
ctccgactac tccaatgaga agccattcac aggatttgag gccttctatg cagcggagga      300
tgtggatgaa tgcagaacat ccctgggaga ctcagtccct tgtgaccatt attgccacaa      360
ctacctgggc gg                                                             372

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<210> 9926

<211> 464

<212> DNA

<213> Rattus norvegicus

<400> 9926

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atctgtatgt ctctcaagtg gtccacaagg ctgtgctgga tgtggatgag acaggcacag      60
aagcaactgc tgctacaggg gtcgctacag tcatacgtag acaacctcga actctgaatt      120
tcaaccggcc attcatggtg gttatcactg acatggatag tcagtctatc ctctttgttg      180

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ccaaaatcac taacccaag taagcccaa gctcccaag atctgacagt tctgcccagg 240
accctgggac tgagcctgca tgtggatctc tgtatatgtc ctgacattca tgctctgatt 300
ggctgtttca aagttgtctt agacagtgac atcgactatc tctatggccc ccatgtgcac 360
aggagccttt agactgtcag tgtcaggctc ttaggccctc tgggagcatc tacccatgtt 420
tctgaacctg gaatctatct ttatitttcc ctatgactc ctct 464

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<210> 9927
<211> 528
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (189)..(192)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (195)..(198)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

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<400> 9927
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acatctctgt ggatcctgtg acaggggacc tctgggttgg atgcatccc aatgggatga 120
ggatTTTTTT ctatgactcg gagaatcctc ctggctcaga ggtgcttcgg atccagagca 180
ttttatccnn nnacnnnnaa gtaactgtag ttatncaga gaatggcacg gtgttgcaag 240
gtacgacagt cgctgctgtg tacaaaggaa aactgctgat tggaacggtg ttccacagag 300
ctctttgttg tgacctgtga caagctggct acaccacat catggaaagt gaggccatca 360
tttcagccct ttgcatatt gtaaggtgcc tatcacagt atctccgctc accaacgaat 420
gttgacctta atctcanaca taagaaggct tgagaatgtt tcctggcaat agatcctaac 480
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<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
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 ttatccatga aggctacact cacggagctg gttttgacaa tgatatagca ctgattaaac 120
 tcaagaacaa agtcacaatc aacagaaaca tcatgccgat ttgtctacca agaaaagaag 180
 ctgcatcctt aatgaaaaca gacttcgttg gaactgtggc tggctggggg ttaaccaga 240
 aggggtttct tgctagaaac ctaatgtttg tggacatacc aattgttgac caccaaaaat 300
 gtgctactgc gtatacaaag cagccctacc caggagcaaa agtgactgtt aacatgtctt 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 aactcgaac 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 caacctgcc	catgcggtga cctgtgacat	60	
taagttcagg aactaccta	tacccaaggg aacaacaata	ataacatcac tctcattcca	120
gtgacatgca tgacagcaan gaattagacc ccgacccaga	gatatgttga tccctggcca	180	
ctgtttttaga tggagcataa tttggaaagt ttaagaaaag	tgactggatt tcactgcctt	240	
tctcagcagg gaaaacggat gtgtgcagga gagggcctag	cccgcattgga 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 ctgaaggcca acactctccc	cttaaaacttt gataaggcag	120
aacatcacag aaagttccag atccacatca acgtaagcta	cattggagaa cgacccaact	180
ccaacatggc cattgtttgat gtgaagatgg tgtcaggcct	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 tacagtgcgc ctttcagttc	tga	463

<210> 9932

<211> 507

<212> DNA

<213> Rattus norvegicus

<400> 9932

gaccacaga actcctaata gaaatggagg actggaaagg	agacaagggtg aaggcacact	60
atggaggcctt cacgggtgcag accgaggcca acaagtacca	agtgtcagtg aacaagtaca	120
aagggaactgc tggcaacgcc ctcatggaag gggcctctca	gctgggtgggg gagaacagaa	180
ccatgaccat ccacaacggc atgtttcttca gcacctacga	cagggacaac gatggctggg	240

taactacaga tccaagaaag cagtgtctcaa aagaagatgg cggcggctgg tggataaaca	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 ctttcattgcc attctcagca ggccgcagag catgcctggg	240
ggagcccctg gcccgcatgg agctcttcct cttcttcacc tgctcctgc aacgcttcag	300
cttctccgtg cccactggac agccccggcc cagcgactat ggtgtctttg cttttctcct	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

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cccgaagtga attgttcctt ttcttacta ccactctcca gaactactca gtgtccagcc	120
ctgtggatcc taacaccatt gatatgactc ccaaggagag tggattagcc aaagtagccc	180
cagtgtacaa gatttgcttt gtagcccgtt gattgtgctg aggcagtcag ccgactcact	240
tctgttcaaa atggcccat ttttctgatt ctgggagacc tgctggagac caggccaag	300
gttgctgagt cattcctcac ttcttcccaa cagcctcagt cccatttat caggtctcca	360
tgctctgtga tctatgctat tggactatgt ataaggctctg 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 gcaactcttg aaatgaagtc ccaccagtgg gttagattaa 120
 tggttgaggc atcgtgttnc nntgnnnnnn ntcagatgtg aaagcctcga ttntacagga 180
 ctttgtcgtg ttggangacg tatatgtcag acttatcctg atgagatttg tgccctgggtt 240
 gtagtancca ctcgagatgg aaaatttgta tatggaaacc agagctgtgc tgagtgcac 300
 ggtacgactg ttgagcatgg aagtcttata atatcaaca actgttgctc agccaccct 360

ttctgcaata tggtagatcc ctgatactta attgtatgga aggatttttag 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
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 ctggttctcc agctctgtga agccttggac ggaagctgac aagtactgcc agctggagaa 120
 cgcccacctg gtggtggtga cttcctggga ggagcagaga ttcgtccagc aacacatggg 180
 ccccttaaat acttggattg gcctaactga ccagaacgga ccctggaaat ggggtggatgg 240
 gacagactat gagacaggct tcaagaactg gagaccaggg cagccagatg actggtacgg 300
 acatgggctt ggaggggggtg aagactgtgc ccacttcacc accgatggcc actggaatga 360
 tgacgtctgc aggaggccct accgctgggt ctgtgagaca gagttaggca aggccaatta 420
 ggagcctcca ttcccctgat ttatttcctg agtgccttga gctgtgaggc ttagagttgg 480
 gaggtcctac tcaaggggtct 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
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 gaaaccagag ataggaaatg gagtactgtc tactaataaa gatcaatatg tcgaaactga 120
 aaatgtcacc atccaatgtg actcgggctt tgtcatgcta gggtcccaaa 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
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tggcaaggat ttgatggaga aggccagcc ctcagagatt cagaaccaag ccaaggctta 180
ctttcagaat gcacaggaga gactgacacc ctttgtccag agaactggga cgaatctgat 240
ggacttttta agccgtttta 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 gaggcaaac catgctgaag 180
ttctatatag caaaccaaac ctgagagtac tttcctgac actacaatag caagagagca 240
agagcgagag tgagagcaag agcgagagag ggagggagga agggaggaaa ggggatggag 300
ggagggagga agggaaggag agagagagag agagagagag agagagcatc accatttcac 360
ataggggtgtg 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 ctttctctca ctcatcctc tacacaagag cagcatgtcc 120
 ccaagcccaa cgtacaggtt caaaagatag aacttaaaaa atttgaacct aaactgaggt 180
 ggaaaagaca cagtttagcta ggattgacac attggactct atcaccagca ttcaggaggg 240
 aggggaacatg gctccctagg aggcctgcc gaattacaaa gtgaaactca tctcaaaaaa 300
 ggaacaacag aaaataaaat ttcaaattga tttctcttag accataagag tccagatctg 360
 tatccaaagc tatttggtta tattttttgt tattgttggt ttgtttacac attgtgtttt 420
 tctttcggtt tgtaagtctg tttgggatat ttaatttaca ttactgatt agtgtgggtg 480
 gtagggcata ccatggctca aatgtggaaa ccaaagaaaa gcttttgga gtgtcatctc 540
 cttacaata cgtgtgtcca a 561

<210> 9942
 <211> 374
 <212> DNA
 <213> Rattus norvegicus

<400> 9942
 aggacagagg gcttcacctt gaaccctccc ctagctcagc cagctgttat ctctcgtggt 60
 tttcaggact caggtttcac tgaagggtgtg atagctacca catcaccata tgacacggag 120
 acccatgatg atttgatccc tgatatccat gtacaaccag atagcctttc atttaagctg 180
 atatctgact ttccagaagc aacttccac aagtgtcctg ggcgcccag gaagccagtt 240
 agtaggaagg atccaacat 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
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 agtaccttca tccgtgtcag cacagacggg gcagacaaca gagactccct ggaccctcaa 120

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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 aggggtggagg gtcctgcata 480
ctattggcga g 491

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<210> 9944
<211> 547
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

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<400> 9944
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tgctacccat gtcaaaacgg aggcacagca attcttctgg atggacagtg catgtgctcc 180
tgcacaatca agtttaaggg gattgcctgc gaaatcagta aacaaagata gccttcagga 240
aacaaagcaa aacctgggtc acatggaagg tggaaaaaag gacaaaaaaa gaagaagaga 300
gaggagagag aagagagaga gaaaagaaaa aaccccagga ctttccaact tagcatccta 360
ccctagagcg aatcctcact gccaaagtag aagcagcttg cttcatggaa atcctaccaa 420
cctctgatgt cgtctctgtt tcagggtctac agtgcctttc tcccctcttt aatgcctata 480
atgcttccat tttttttttt atncccta atgaagaatcgg cagtgcagata tgccaggact 540
gcctttt 547

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<210> 9945
<211> 515
<212> DNA

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<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

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tgaagaacaa tccatgcacc aattattcaa tgctgccaga gaccatgata gatctaaaag	120
tatcgccctt 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 tttttttaat 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

gagaccccg tttcaagcag gcagttcaaa cgatacagac ggaatatttt taccttacct	60
ccaacttgat aaacgacaca attgaacttc gggagtttca gaccacagac gaccagtgtg	120
tctataactt cacccatcta ggagtccaga gagagaatgg gaccttatcc aagtgtgcag	180
gagcagtga aatctttgcc catttgatag tgctgaagaa acatgggacc ttcattgctt	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 tgtcccatg cccactctac cccactcct gtgcacctcg	540

attctatattt ccacaa 556

<210> 9947
 <211> 478
 <212> DNA
 <213> Rattus norvegicus

<400> 9947
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 cattcacaag ttcctttaca cagctgagta cagcgacagc tcctacttca gcagcgatga 120
 atcagattga gttctttctga acatcagttcc aggctacagg attcccagtc aactttttatt 180
 ttataaattt ttacaaatat gtgattgggtg taacatattt atattttagt ttcagagacg 240
 tgatgtttgtg gtccaatcct ggaaaaaatt atgatttcgc atatcatgat gatgtatgat 300
 taagcagatt aagcattatg ataaaaataa cttggtaaaa tgttagcatc atcatacata 360
 tgatgtattc tggttataac tcaatttacc ctgacactta cctccataga aacactttta 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
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 ggtgacaagg ggccgaaaaa actctgaata caagtggaag aagacactgt tctctgtgtt 120
 acctggctta aagatgacca tggataagac gggactgnta cagctcagtg gccagacaa 180
 agtcaccatc agcctcttgt ctctggatga ccctcagaga ggactncatg ctgcttttga 240
 atgacactca tcacttntcc aacgacatta caggggagct tggtcagttt taccaggata 300

tcattctggga tgatacaaaa cagacagtca gagttctagg aatcgactac ccggctacca 360
gagagctcaa gttgagttat caagacgggt tcccgggaac agagatttcc tgctggacgg 420
tgaagatata gaactgacag gagcattggt tgctacctgc catgttgtcc tcgtatgcag 480
gcggatgaca ctgtgtgcc aacagggccgc 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
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gnnnngnngt gagccactca taactgggac cctcaagaaa gaagactcct gccagctnaa 120
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ggcctgcgag accttccagt atggcggcng cctaggcaat ggtaacaact tcgcctccga 240
gaaggaatgc ctgcagacgt gccggaccat agcggcctgc aatctcccca tagtccaagg 300
cccctgccga gcctttgcag aactctgggc atttgatgca gcgcaaggga agtgcattcca 360
attcatctat gggggctgca aaggcaacgg caacaagttc tactctgaga aggagtgcaa 420

ggagtactgt ggagtccttg gtgatgggta cgaggagcta acacgcagtt gaaggagccg 480
gtctgcaagc cagagggttag ccacgggtccg tctctgtgca 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
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tctccaacct ggtccttccc ctaatggcct gaattctggt cagatggcaa attagaatgt 120
gaaacttcga agcagcaaga aaaggaacga acgtcgacgt tgccggaatg tttgtctagc 180
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tccagtaact gtaaccata ccaatttgct tttngtttaa attttctatt taaaagataa 300
acaagaatta ggcaaaaatg ttcctgccta taatcccgat gctcagaaac tcaagatcaa 360
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actctatgaa agctgaacca aacagcttca tctgataaac attaacttca ctatttccaa 480
actttccagt aagcaggtgt tttgttcatt aaacatccac aacctgttc atgttactca 540
aa 542

<210> 9951
<211> 312
<212> DNA
<213> Rattus norvegicus

<400> 9951
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ggcccagccc ctgcccaggc ggcccctgac ttttccagcg caatggagag cttaccggat 120
aaactaaaag agtttgggaa cactttggaa gataaggccc gggcagccat tgagcatatc 180
aaacagaagg aaattatgat caagactcgg aactggtttt cagagacgct caacaaaatg 240
aaggagaaat taaaaaccac atttgcttga 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
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 ctacatcact ggctccacat tccgctctgt ccaggccaaa aaacagaagt ctgggcgtcg 180
 aagtcgaaaa cgctaccgtt cagcccgagg ncgtggccat agccgcagcc gcagncgag 240
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 tgggctagga acctacaatt acgattatga tatgaactgg cnnataacctg ccacctgcga 360
 gcccatcag agcgtctatt tcttctctgg agacaagtac taccgagtta accttagaac 420
 acggcgagtg gactctgtga atcctcccta cccacgctcc attgctcagt attggctggg 480
 ctgccaacc tctgagaagt aggaatcagc acccacacag 520

<210> 9953
 <211> 532
 <212> DNA
 <213> Rattus norvegicus

<400> 9953
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 aactatacct cttctgaatt tcaaccggcc attcatgctg gttatcactg acaataatgg 180
 tcagtctgtc ttctttatgg gcaaagtcac taaccccatg tgagtctgaa gtcccccaaa 240
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ctgacataca tgctctgatt ggctattgca aagttggctt agacagtgac atcaactatc 360
tctatggctc ccatgtgcac tggagccttt ggattgtcag tgtgcaggca cttaggaccc 420
ttgggagcat ctacacatgt ttctgaactt ggaatctttc tttattcttc ttcctggtg 480
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<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
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cattttgaca ggacggataa tggcgccatg cagcctttta ctgactgaca gactaccac 180
aggttgctta acattttgtg cttcaaagcc ttatcccacc ccaggatggg atgtttcaag 240
gctgcatctc agcacagagc tgggatcctc aactcccgtg cccagagtg 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 ccagggttgc caaagccatt catccccag caccttaagc agtaagcagt 120
cctgcttaaa tcaagttaac caggacttcc cagcataacc aggaatgtag tatttcccgt 180
cctcctcttc tgtaaatgaa ggaacatgag gggagggggc ggctcacaca tacatgagtg 240
gaaaactgtc agagtctgag gctctggttc ttgtctgacc tagaggctgg gctcagcagc 300
ttgagaactc cacagctgtt cctgtctctg aggagcttct gttccccggt tctgtcagtc 360

agctaggtct gcagtgctga ctctgggatt ctcttatgaa tatgcctgat gggcaagcca	420
gaggaagatc tagaaacacc gagtaattca gagcagcctg cttagtaaata 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 ttaaactgtt ggggagcacg ggatatgcac agcattaaat	120
aacacttgct tcaccttaga aagtacttaa ggaatgatgg acaataatg gacaggatga	180
gaaccctggc aagtgggtgt ccagaaacgt tccacaaaa acctacatag gcttggcatt	240
cccatgtact taggaaattc tgtgctatat atatatatat ttttctaata agttgattct	300
ttaccacccc ttaaagaatt ttcactctca gtaacaaaca gcattagagg tactttattt	360
tgaagaatag actaatattt tttatatattt aacaatggac aattgtagat gattgtaatg	420
atacgtcaga aggaaacaga aacgtagatg agaacacaga tgacgcgggg acagttaaata	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
ctcaccctta tctaggtgga cccccactt ctcagagacc ccacgctctg ttttcctct	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
 ttactgcaa cagaatggaa gtgatagcag tgctaagaga cggaatgca atttgtttgc 180
 atccgaattc tacgtgcgtg aggactctta tcgacaacat tcctagcaga cctttcatac 240
 ctaaggacta cgcacacagc aacaatctac gtggaatgaa gtttatgtac agtggtgagt 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
 tggataaaag atggcacacc cctgcccctt gccccagcc ctgtgctgct cctccctgag 60
 gtagggcatg aggatgaggg catctacagc tgcgtaggna cccaccctag ccatggacct 120
 caggaaagcc ctctgtcaa catcagggtc acagaaaccg gtgatgaagg acaagctgca 180
 ggctctgtgg atgggtctgg gctgggaacg ctagccctgg ccttagggat cctgggaggc 240
 ctgggaatag ccgctctgct cattggggcc atcctgtggc gaaaacgaca acccagactc 300
 gaggagagga agggcccaga aagccaggag gacgaggagg aacgtgcaga gctgaatcag 360
 tcagaggaag cggaaatgcc agagaatggt gcagggggac cttagagcg 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 ggctatgcc aaggcaatgc accaggcctg 60
 ccttcgcttc tggctagaca ggcaaaagtg tgagcagttt gtggaacngc acatgcccc 120
 gctgctggcc ctggtgccta ggagccagga tgcccacacc tcctgccagg cccttggagt 180
 atgtgaggcc ccggccagcc ctctgcaatg cttccaaacc ccacacctct gagaaccag 240
 gctccagcaa cctgtaccaa aggaccacaa gtctcagcnt gcacccccag ccctgtgcc 300
 gcctgtatgt ccagctcta accacagccc aacaacacca ccagagtggg ttctggctcc 360
 tctgatgatg aggtgcagca gaacctgtc ntctagaagc cttcagaggg ggcttcaggc 420
 cttcaccccc accagagcca agcccagctc caacagctcc tacagcccca ggactgaaaa 480
 ggaactgtcg tgggtccaca gagagtgggt agaagtgggg ctagccacag caacccttg 540
 ctaacacttc tgtgaa 556

<210> 9961
 <211> 320
 <212> DNA
 <213> Rattus norvegicus

<400> 9961
 acactagctt tcattcggca tgcttaggta gcattgctgt tttatcagga gctgcatgct 60
 ccctcagccc tcaactgcaat gtttaacacc tcacagacac cttcattccc ttccactgcc 120
 atcctgttcc aactgtgcc attgttcaat gcagcctacc cagggtaccct 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 cgcaagggtgt taatgacctg caacatggta gaggccctg aaccctaact 120
 tccccagaac tgggactgtc tagcgacagg cactgaatag caatgcaggc tgaagacctc 180
 catgtttaga gtttaacctc aaaagttaac ttgnnttttt ttttttaaatt gtgaattact 240
 gtaacataat ctatTTTTTgg attcgtgtgt tttccagggtg gaca 284

<210> 9963
 <211> 376
 <212> DNA
 <213> Rattus norvegicus

<400> 9963
 cccagggttcc atcacatttt ttcatagtct attgacctgg aaccttcaca gtcttccagt 60
 agcttatata atttcctcac aggatgagtt gaggaacaaa cagggtttttc 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 aagatggggc tcagaggcca cagcgggacc tgccatttgt aattccagat 240
gcgtagcaca tctccagaga gtctcaaaat acaaagaagt ttctgttcct ggctctggtg 300
gatcctgtcc ccacagtcct nttcaccagg tgcaccctca gcctggactt gactctgacc 360
tctccagga gaagccctcc ccccaccaac ctctccaggg agagcccctc cccccaccaa 420
cctctccagg gagaccctc tcccaccact gacctggaat cacttaaaga gcaggcactg 480
tggttttgag tgcaccttct caccttcatg tctgacggag tgctggcact tagtaggtcc 540
tcaa 544

```

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<210> 9965
<211> 496
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

```

```

<400> 9965
ggacctgtgt ttattccac 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
tggtcttttc 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

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<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 agtgtgcca 120
 gaatgacatg tgttgtcca gttcctgtgg taggccctgc aaaactcctg tcaacattga 180
 ggttcaaaag gctggccgct gccctggaa tccaatccag atgatcgctg ctggaccatg 240
 cccaaaggnc aacctatgct ccacgacag 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 ggggaatcatc tgcaaaccag gctgaaacgg aaatgtcccg ccatcagcca 180
 aggacagccc tgggtggctga gggggcctgg ggcgagtgga gaaaagttagc 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 gcangtgcg aaccttcagc 60
 atctacacat cctggggcga acgctgtgag catctaagcg tgaaacttgg ggcattcttc 120
 gggatcctct ttggagccct gggtgccctc ttgctactgg ccatcttagc atgtgtggtc 180
 tttcacttct gcggctgctc catgaacaag ttctcctacc ctctggactc agaactgtga 240
 ggcctcgctc cagatgggca gctgcaccta gaatacctca ggacccgccc accggtctgc 300
 ccctgctcta gggagactgg aaagggccga ctgcatgaag atgatttgag attcttcaag 360
 catgaataaa gggagtgaag ccagactcta ccattttagt aggccatggg tataggaaaa 420
 ggccagatga ccaaagttag 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 tgtagccca tacgcgtatt tcccagttgg 60
 tctaaaacta cttctacttc ggtctccagc ccaaactctc aaatggcaac caatgccaaa 120
 tttccccag cctgtcggag tacctcatcc cattccaaac ccatcctttc ttgccattcc 180
 cacaaatgaa aagcatgata acaccgcat tccagccagc aataccattg ctcccattgt 240
 gtccacacca gtttctacca cagagtcaat ggtaaatact gtggccaata ccgaagcttc 300
 cacagtgcct atcagtaccc cggagactgc cacagtccca gtgacctcac ctgcagcata 360
 aaagcgcaaa ggaaacattg aagaagacag tcaaggtctg aaaccaaatt ccaacttcaa 420
 actcttcttc agggatttgt ctaccacat 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 ctgtctcttc ctcagtccaa aagtcagtac cttgtgcagc aactagcccc 120
 cctcttccaa caaggatatgc ctgttcaaga ccttctgcag tacctagatc ttctgcttaa 180
 cccaccctc cagttccttg ccaactcaaca acttcattcc acttctgtct aagaggattt 240
 ccgggttatt tctctcctca tcattttttt tttgaattga ctgaaactgg aaatgtacaa 300
 tcattttcat cttgggatca tgctacaaaa gtgatataatt tctgaatgaa actacatgga 360
 aaaaaagaaa ttttattctt ttattttattc tatgtattat atgatattca tttgaatttg 420
 acccatggac tctatatgtg tctcaattat atttcatata atactacaaa tgttcaatat 480
 tgagttttaa tgaaagtcaa taatgnntac aaaatagctc atgaaaaatt ggatttacta 540
 ttattttctt 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 cactttttatc tgatgaagcc cgacaacgag      60
aacttttatca agaactacat agccaagtgc ttggaactct cgtcactcac ttgactactt      120
ttagatgagc tttctttggg gctgtggata tgcagacggt tcaaaagctg ctcctctggg      180
tccagctttt agttctttaga ggttggaaag gtgcatatta atgaatttct tcgtggagca      240
tttatctctc tgggggaaagg acacggctga agaggcgcac aggcactatt gggagctaac      300
agagggggaga ggggggtggt tttctttggg gggatgttgc cctcagtagg tacccatgct      360
ccagtaaatzg aactacacc ctngtggcac atgcaggcag ctctaatzga gactcagtggt      420
gaagttggga ggcatacatg ttggggggaca tctgtcacgg ggcttggaaa gacaagtgag      480
ggtctgatca aaacctgctg tttta                                              504

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<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 tgtaagacc tccgactgct cttccagagg tcctgagttc aattcccagc      60
aaccacatgg tggctnacaa ccatctataa tggaatctga tgccctcttn tgggtgtgtga      120
agaagacaac tacagtgtac tcactctaca gtgta                                  155

```

```

<210> 9973
<211> 232
<212> DNA
<213> Rattus norvegicus

```

```

<400> 9973
aagaaaagca taacgaaggc ccaagcttct gaacacttta tcctgcattt ttttgcata      60
agcttttattg tactatgctc atagaattta aaaaaatctt cttttttaat ataacgagtg      120
tgaatttgcc gggttatttg ttgtgtgtgt tttagacagag 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
 ctgccaatg gcctgagtct gtggaagtgg caagaagctt ctggaagacc agcaaagagc 60
 ggcagggcga gccaatgcc ctgtcagttc agttatactt ataccctttc taaacatcac 120
 atgtcctctc aagtgtccac cccagcaaga caccacatgc cttttctcca ggcagcttcc 180
 agaagaacac cacgtgtctg ttttcagcaa aacgtcctcc acgtgtctcc ctcagcaaaa 240
 cattctctga taagaagaca gtttccagaa aaacatcaca ggacacagct gaatctccac 300
 agaaatcaga gattcccact tctcctgtga tcttcccaga ggtttcacac tgtgttggtta 360
 accttcttta cccagaaaag 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 ttctgggtcta ccctccacaa a 161

<210> 9976
 <211> 38
 <212> DNA
 <213> Rattus norvegicus

<400> 9976
 ggctaactgt tatggacgcc tcattctctga 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 aagaagtcac ggatggaaag     300
gtgttttagaa gcaactagca aattctgtcc tggttaaata acaatctgca atccttgctt     360
cntcgaggac agagagaaga cagcagagat aatgtggaaa taaaaccat 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 tgactctggg ggccctgtgg ttgcaatgg agaagtccag     180
ggatttgttt cctgggggtga tggctgtgct ttggaaggga agcctgggtg ctacaccaag     240
gtctgcaact acctgaactg gattcatcag accattgctg aaaactaagt gcctctatct     300
cataaggagt cactctgtga tgaccttttt                                     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 tgggtccgaa gggcaaggcc cggatccggg tgcagatntc      60
agccgtacac agtgaggaag acatcgaccg ctgtgtggag gcctttgtgg aggtggggaa      120
gctgcacgga gctctgccct aggctcagac cagaggctct gactcaaccc agagttctag      180
agcctggtta aaaatgggccc tgta                                           204

```

```

<210> 9981
<211> 185
<212> DNA
<213> Rattus norvegicus

```

```

<400> 9981
ttttccacat gtggcgcttc tacaactctg ccaggatgag gaaggtggct gactttttcc      60
tcctgcagtc taactacagc tatgtgaact ggtggtccac agctcagagc cttgctattg      120
ttctttccgg ggtcctccag ctctattttc 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 tttagaggga ataagcagtt tgtcaatgct gccaaagatca tcaagcatcc      60
caactttaat gcaaggaacc tgaacaatga catcatgctg atcaagctct ctgtccccgt      120
gaccttcaat tcccagagtgg ccaactgtggn tctgcccagc tcctgtgcac ctgcaggcac      180
tcagtgcctc atctctggct ggggcaacac cctcagtcctt ggtgtgaaca acccagacct      240
gctccagtg c ctggatgcc cagtgctgcc tcaggctgac tgtgaggcct cctatcctgg      300
aaagatcacc aataacatga tctgtgttgg cttcc                                  335

```

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<210> 9983
<211> 453
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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<220>
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<222> (275)..(275)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

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<400> 9983

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cagcggccag tcaagactct tgtgagcaag aattttgagc angttgcctt tgatgaaacc      60
aagaatgtgt ttgtcaagtt ctatgcccc a tggtgcagcc actgcaagga gatggctcca      120
gcctgggagg cactggcaga gaagtacagg gatcgtgagg acattgtcat tgctgagatg      180
gatgctncag ctaacgagct ggaggccttc tctgtgcatg gctatccac tctcaagttc      240
ttccctgcag gacctgaccg aaagattata gaatncaaaa gcncagggn cctanagaca      300
ttctccaagt tcctggacan aggaggtgcc ctgcctgagg aaaaatccaa ggagcctgca      360
gtctttgccc cagaagcaca acccaattcc cccttgggtc ccaaggagga gctgtagcca      420
ttgggacact gtattccaaa aagtgggtgtc ctc                                     453

```

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<210> 9984
<211> 146
<212> DNA
<213> Rattus norvegicus

```

```

<400> 9984
gctcaattta gcaggttaaca ctacagctaa ggtgattggg aaaaaggcta attgccctaa      60
tacacttggt ggatgcccc gggattatga tcctgtgtgt ggtactgacg gaaaaactta      120
cgccaatgaa tgcattctat gctttg                                           146

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<210> 9985
<211> 407
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (35)..(36)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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<220>

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<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
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 cattgttcca acatggccct gtggatgcgc ttcctgcccc tgctggccct gctcgtcctc 120
 tgggagccca agcctgcccc ggcttttgtc aaacagcacc tttgtggtcc tcacctggtg 180
 gaggctctgt acctggtgtg tggggaacgt ggtttnttct acacacccaa gtcccgtcgt 240
 gaagtggagg acccgcaagt gccacaactg gagctgggtg gaggcccgga ggccggggat 300
 nttcanacct tggcactgga ggttgcccgg canaagcgtg gcattgtgga tcagtgtctgc 360
 accagcatnt gtcacctnta 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 cgcatgtctc 180
 ttgtcatcgt ggtcctcttc ttcctgtgct ggatgcccac cttcagcgcc aacgcctggc 240
 gggcatatga cacggtttct gccgagaagc acctctcagg gactcccatc tccttcatcc 300
 tcctcctctc ctacacctcc tcctgtgtta accccatcat ctattgcttc atgaacaaac 360
 gctttcgcct gggcttcatg gccaccttcc cttgttgccc gaatcccggg ccccagggg 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
 acactatctg ttattgctgc cactgcccac tgaaagggat cttgagacat gaggtgcatc 60
 tccaggctgc cagctgttct cctcatcctc tcggtggcac tcggccactt gagagctaca 120
 cctgtcggaa gtggtaccaa ccctcaggtg gacaaacgga agtgcaacac agccacatgt 180
 gccacacaac gtctggcaaa cttcttgggt cgctccagca acaaccttgg tccagtcctc 240
 ccaccaacca atgtgggcatc 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 ggggtaccctt 60

gctcttccta tgagaagttc cagcagaatg actgcttccc ttgtccagaa gaaggggtgtc 120

ccaaaatggg gcactatgct gatcaatttg aggggaaaac cgctactgtg gaacaaaccg 180

tttatctgaa tacaggagat agtggttaact ttactcgttg gagatacaaa gtatcagtca 240

cactgtcagg agcaaagaaa ctgagtgggt acatcttggt tgctctgtac ggaaataatg 300

gaaactcaaa gcagtatgaa attttcaaag gatccctcaa accggaagca aggcattgttc 360

gtgacattga tgtggacatc aatgttggag aaatccagaa ggttaagtgc 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 ggggtgtcctc 60

ggaaagccga ttttcagtgc agatgttcat gtttgctgga aattatgacc tagttttcct 120

gcattgtgag gtttacctgt gtgactccac tactgaacag tgtcaaccat cttgctctac 180

aagtcgactt cgcagtagtg aaccagccat cgacttaact cgggttcttg atataggacc 240

catcactaag aaaagtgttc agaatcctga tacctccaac gggactcccc gcaatacagg 300

gttcctgttg gcctggccca cgttcttctt gcctgtcttc ctggcctggc tgttctgaga 360

gtccagctgg gcacctggcc ttaaagttct tccctctggc aacgggtcat atccaccgtt 420
cagtagaact gaatccctct gtgaatcatg tgaacagccc aggagatgca atgtgtattg 480
gtaactcctg gttagagttg tcctgatagt gggcagaaaa gggcaaatacc catgattctt 540
tcaaaatctc tcttgctctg 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
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tcaatgtgtt gacagcaaata gtccacctag catgccatga gctgcacaag ataaaaaacc 120
ctgcacgaga aggcaagtgt tttttgccaa gcaggtgtag ggcaccacag aactgtgtcc 180
ttctcagtga gactgggaaa caaggtttct aatttaacta ctggcccccc agtanttcag 240
gaaccacgac atgattttctc cgttttcttaa agggagaagt ttagctaaag acacattcca 300
gggtgtcacta atagttccaa agctaggtga ctaagtgttc agtgagagcc gttaagaagg 360
aaaaccagct aatcaccatt ccagttcgac gttatTTTTTg 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 acgggtctctc tgcccagatc 120
ctgtgcatct acagatgctc agtgccttgt gtctggctgg ggaaacactg tgagcattgg 180
tggtaaatac ccagcactcc ttcaatgcct ggaagcccct gtctctctctg ctagttcttg 240
caaaaaatcc taccagggcc agatcaccag caatatgttc tgcctgggct tcctggaggg 300
tggaaggac tcctgtgatg gtgactctgg tggccctgtt gtctgcaatg gagagatcca 360

gggcattgtc tcctgggggtt cagtctgtgc aatgagaggg aagcctggtg tttacaccaa 420
 agtctgcaac tacctgagct ggattcagga gactatggcg aacaactgag ttctcttacc 480
 tttcgtaaatt caccgggttca 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 agntgcaaatt 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 ctgagcagtg gcgtcaatga 180
 accagacctg ctccagtgcc tggatgcccc actgctgccc caagctgact gtgaagcctc 240
 ctaccctgga aagatcactg acaacatggt ctgtgttggc ttccctagagg gaggcaagga 300
 ttcttgccag ggtgactctg gtggccctgt ggtctgtaat ggagagctgc agggcattgt 360
 ctcttggggc 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 gtggtttctca cttggtggaa gctctctacc tgggtgtgtgg ggagcgtgga 180
ttcttctaca cacccatgtc ccgccgcgaa gtggaggacc cacaagtggc acaactggag 240
ctgggtggag gcccgggggc aggtgacctt canaccttgg cactggaggt ggccccggcan 300
aanccgaggca 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
 gccaggttaa ccaggcccag aaggtcatca tctgccatcg aggcacccgt tgcacctccc 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
 ttattttatct atttattatg ctgttgagtt aatggaaata gattgtcttt ttaaaaatat 420
 ataatttata taatttatcg tgatattcta taatatgatt tccccagAAC ctttggcaga 480
 actctgaact ggaagatctc tgtccgtgct tatttaatgt cggaattggg ttactttctga 540
 gtgttgcta 549

<210> 9997
 <211> 491
 <212> DNA
 <213> Rattus norvegicus

<400> 9997
 aaagcgtgtg caaggccagt agccagaagg actgttttct gtcagcaatg tcaagctgca 60
 gaagggaggg tgatctatac ggtgtaatct ctccctctgta tctaaccCCA caacattttt 120
 ttttacctca acttaatttc gtgtgttcac ctgtatttcc tcctttccag aaacacctcc 180
 aggtaagaag ggatatgtac ataccagggc aagggtggta acatgtgtag tcagtcccca 240
 aggaacactg gcatgctggg actcagttaa taagtagctt tgaatgcaa aactatgtat 300
 gcttttaagt actgttgatg tagctcttgg taatttggct cagtgtgtgt gtgtgtgtgt 360
 atgtgtgtgt gtgtgatctg aacatatggc tacattatgt gtgtgttaat aacttgtaag 420
 tggatattgg aattcaacaa atgtcatcat tcttcataa aagttggagt atcgtgtgag 480
 cttcatttct t 491

<210> 9998
 <211> 368
 <212> DNA
 <213> Rattus norvegicus

<400> 9998
 tttctggcct cgctgtggca ggaaacagat gagccgggtg gcaatatgtc ggcggacttg 60
 gctcgtaggc cccagctccg agatgacagc aagctggagg ctctctatat cctcatgggtg 120

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ctggggtttct tcggcttctt caccctgggc atcatgctga gttacatccg atccaagaag 180
ctggaacact cgcacgaccc tttcaacgtg tacatcgagt cggacgcctg gcaggagaaa 240
ggcaaggccc tcttccaggc ccgcgttctg gagagcttca gagcttgcta tgtcattgaa 300
aaccaggcgg ccgtagaaca acctgccaca caccttctg aactgaagcc actgtcatga 360
accccata 368

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<210> 9999
<211> 524
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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<400> 9999
ggttattttt ccgagtcac ccatgacatat caagttttgg aattgcctta caaggctgat 60
gagtttagtt tagtcacct tcttcccaca gaagatgtga acatagaaga agtggaaaaa 120
caagttactg ctcgtcatgt tcagaaatgg ttctctgagc tgcatagaaga 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

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<210> 10000
<211> 494
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (206)..(206)

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<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

gtctgctaattccattcagtcaggtcctcctcttacagtgagagtatggcggtaaagg	60
aggaaagcga ttctctcact ctggcaacca gctggacggc cccatcactg ccatccggat	120
ccgtgtcaac agatactaca taataggtct ccaggtgcgc tacggcacag tgtggagtga	180
ctatgtgggt ggcaacnagg gagacntgna ggagatcttt ctgcaccccg gggaatctgt	240
gatccaggtg tctggcaagt acaaatttta tgtgaagcag ctgatcttcg tgacagacaa	300
aggccgctac ctgccttttg gaaaagactc aggcacaagt ttcaacgctg ttcccttgca	360
ccccaacact gtcctccgtt tcattagtgg ccgatctggc tctgcnatag atgctatcag	420
cctgcactgg gatacctacc ctagccactg caacacttgt tgaaaccac 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 tcattcatgg aaggatataa gtatccaata tatgctgtcc agtggcatcc	60
tgagaaagca ccatttgagt ggaagaaact gcgaggcatt tcccatgcac cgaatgctgt	120
gaagacttca ttttacttag caaaatTTTT tatttctgaa gctctnaaaa atgataacca	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 ataataatta	420

tttttatcag 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
 ccccgatgaa 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
 attcgctga agagggaccg acttgtaaat ggagattcag gacttctgcc tcaaacacac 240
 gaagcagaga tttcgaagca gcctctcagc catctgcacc tgttttcctt catggttctt 300
 gctctgaatg tggatgattgt ggtcacagcc acagtgaggc attttctaaa tcgatggaag 360

gatcacggat accagaagct gcaggtctac tagctgtgga cccaagaaa ggcctcttgt 420
 cctcttctgg gtggccgatg aaaaagttct ctgtgcctac gagggtagg 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 gaaggatcgc gatctgcca 120
 ttgaggagcc caaggtgggg agcacctgcc ttgcctcggg ctggggcagc atcacacctg 180
 acggattgga attaagtgat gatctccagt gtgtgaacat cgatcttctg tctaatagaga 240
 agtgcgtcga ggcacacaaa gaagaggatga cagatctcat gctgtgtgca ggagagatgg 300
 atgggggcaa agacacttgc aagggtgact caggaggccc cctcatctgt aatgggtgtgc 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 tggttaaggag 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 accttttagc caatttgaa ggatttgaat ttttgttgga acaatgaagc 360
 cgagttctaa accctttcac 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
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 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
 tgcataataat tatgtattaa tatgaatata tcatctgtct tacttaat 348

<210> 10007
 <211> 376
 <212> DNA
 <213> Rattus norvegicus

<400> 10007
 gtctgtgat tcagatagtt gtcgaatctt ctggacatta ccaattaaat tttatctaga 60
 atttctgaat aatcatgatt tttaaacata aaacatcatt cttcttcaag aaagagacac 120
 agtcttaatg ctcaagtaaat tgtgttgatg ttttccttag gaatggtttt tagagagcaa 180
 cactttgtct cagcaacagt gaggggtgtt tagggatttc catggattcc cttggccaac 240
 agctcaattg aaagcaactg aatgttgcca ctctgtggctt cacctggcat caagagacag 300
 tcaaattcat gtgaaagatt ttcttttctt 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 ctgaaggatg gaacactaag tgactcctct tgttgaaaga 180
 accctgtgaa aatgaggact gatgtataat atctgagaag ggtttgtgct agtgtgttat 240
 gcttttggca agttaataaa aatgaagtgc acaggaaaag atcatgtgca aacatttgaa 300
 gagagaaaagt ggagattatc aataaataaa atagatacac ttgttgagtg agtccattcc 360

tcaaaagtag cactgtgcac agaagaggag gaagagttca aaacaatatt ctccattccc 420
 tacgaacttt actaccaagg gtag 445

<210> 10009
 <211> 233
 <212> DNA
 <213> Rattus norvegicus

<400> 10009
 taccctaaag ggattgattg tcttaaatta attaaggaag tcctgtccac tctgggtggt 60
 cccattctcc aggcttgggt cctggactgt ataaaactga aaaaactacg tgagcccaca 120
 tttgctctca tagctctgct cttgactgtg caatgcaatg tgacaagcta cctcaagctc 180
 ctgtggttgt gacttccgca cagtaatgga ttataacctc ataccgtag 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
 gatctgcccc ctgaggagcc caaggtgggg agcacntgcc ttacctcggg ctggggcagc 180
 atcacacccc tnaaatggga atttcctgat gatctccagt gtgtgaatat ccacctactg 240
 tctaattgaga agtgcacaa 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

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<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 cagtccccctt catcgtgggtt cagaagaacc    240
tgtatcagtc ataatcattc atccataacc agtactagtt gtcatgataa ttagcctcat    300
atcttctatc tagagctctg ttgagcgctt agaaatcgct ttcatga                    347

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<210> 10012
<211> 461
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (371)..(372)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (387)..(390)
<223> n is a, c, g, or t

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<400> 10012
agctgtgcag cctgatagcc agacaccngt ncaggggacca ggctgtaccg agtagctggc    60
catggagtct ggctcatgga ggccccccac aaccctaaca tccagaggct gaaagaattg    120
gcagctgcct actcaaggaa gcttgggtct gaagcctgcc cagactgggc tgggagtgtt    180
ctcagagcct aaacacagga actgagtctt cagctatcaa taggccatgg ctagagctgg    240
ggcgcaactct tcgtccgctg ccttcctggt tatgattaac tctggatacc tgggcagggtg    300
gggcagagtg agcaggggaag cggcttcagc ccctgagacg cagaataata actaatcagc    360
tagtttgtga nnaaaaaaaaa aaaaaannnn ggtattcttc agatcaccga gctctcacct    420
gcctggagaa ccaagcgatt atccctagtc cacagcagag a                        461

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<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
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 ggtggacaaa acgatgtcat ctgggatggc tgaacttcta cgccaccagc acatcagcac 120
 tgcagatgcc ttcgccatct cttggatgcc ctggtgaagc caacaactgt gagtactatt 180
 cattgcccag gaaaacagga gggaagagat tcagtgcacat 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
 aaatcttctt tatagtagca ccttagattc agctcccagc tactctggca ttaccacaaa 60
 aggtcaagac acggagtcct aagacatcat actaggctct aagactgttg cataagaaga 120
 aggatgagga gaagatgggg aggaattgga aaaaccagtt ggacgcggaa gtagacagta 180
 aaacttctcc acttcccaga tctacatttc agcaagtatt ctgtctcaga ggaaaatatt 240
 cagatttttag agacagcgat tctagttcct gtgcttagtt tggggaggga tacagcaata 300
 ttgtgatgat agtgctgata ttgattatgg tggatgatgtg 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 ttcataggc acatgtattc cttccgtata aatgaagatt ctgactttct	60
acataagaag atcaaaatat agtagataat attctatctn caaggaagat atgcactgta	120
gttaacanga aaagttacag ttacatatataa ctgactcatg tggttgtcta acattcacia	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 cagatgtggt	420
atatataaat atgcatgctg attctatctt taaattttaa gaattataca tgatctgagg	480
atgctgaagg gaaaatgtat attctgtgcc catatggatg tct	523

<210> 10016

<211> 517

<212> DNA

<213> Rattus norvegicus

<400> 10016

gtgcacttac cctgtgatga gtcacattcc ggggtggcata gagaaatcta gcatggaaga	60
cgaagggggc agagaatcac tgaactttgc tgtcagccag tacaatgaaa acaaactgta	120
cttgtacctg agccgtgttt ttggaagtga agaattgtcca aaagcagggtg gtggctggaa	180
ccaaattttt atttgatgtg atcctagtca aaacaacctg tttgaagacc caggctgact	240
tgaccaactg tcctgcaaag gaccaggctg gtcagcagga gcatgaattc tgctctttcg	300
aggtatatga cacccttg gagaatgata tggccttgat aagctccagc tgtcacaata	360
tataacttaa tgtcaagtgg cacagtgcag ggtgcagatg tctctgccat tgccatca	420
ctccagtgga tgacctatcc tagatgaatg cttaccagta ccaacatcag cagttgatta	480
gactgctgag aatatagagc ccaagtatct ttccctt	517

<210> 10017
 <211> 404
 <212> DNA
 <213> Rattus norvegicus

<400> 10017
 tcccatgtca ggagctgtgt actgggggatg catcctgtcc ccagggggcac aaatgctgca 60
 gcacgggggtg tggccatgcc tgccgaggag acattgaggg agggcgggat ggtcaatgtc 120
 ccagaattct ggtaggcctg tgtattgtcc agtgcattgat ggatgagaac tgtcaacctg 180
 gggaaagggtg ctgtaaatca ggctgtggcc gcttctgcat ccgggggactc cggcccctcc 240
 aacagctcac agactccaac cggacagatg gctttaactc tacattagag gctcaagtac 300
 cctagctgac ctgatttgcc tggagctcca ggaagctgct ggaaggctgg aaggggtgac 360
 atcctgggggt ttgtgacact ccctggagta tcaggccttc tcct 404

<210> 10018
 <211> 444
 <212> DNA
 <213> Rattus norvegicus

<400> 10018
 atatcttcaa atttctttac aacaagttca gtcattgacac atatctcagc aacataaaaa 60
 atcagtcatt caccatgaac acatggggat ttggtgaaat tgaagtgggtt aaaaccaaatt 120
 gtagaaagat tgactctgac ttctacaaat gttctttcca gtgggaattc tgtaacataa 180
 agcgggactcc tggagtaaca atatactata taacattgcc tggaagtgtc agatgcagga 240
 agctcctatc taaactggtc aactgtccct tcgaagaaca aacagaacag ctgaagagag 300
 aaatatgcta ctttcaactg tatcctgatt atattgagca aaatatacgt tctgtaagat 360
 tcaattgtta taccaaata gactctggga ctgactgggc tgttaccac cacttgacaga 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 caaacanca ancaancann nnannnnnnn 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
 tcagccattht gtatactagt gtcagtggtg 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 agtgggtgttt ctgtgaaaaa actgcgatca cctgctgcac caaaactctt 180
atacccgatga gctatgacaa aaagaggtgt cagagacaat tccactcaga gaactgcacc 240
tatagtgtgg tggaacggac gaaccagga aagacctgtc cagtcaatgg ctggacaata 300
taaagtgtgt tcttgggggc caaaagtgg accaatatct 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 taggggagggc 60
agaggaaccc aagatcaagc caggctcacg tcagaaaccg agaattacag gctgatactc 120
tctccgggca ggggtctgag ccactgcctt gcccgctcat aaactgggtt tctcacgggg 180
catacgnctc attacttact tgaactttcc aaaacctagc gagggaaaagt gcaatgcttg 240
ttatacagcc aaaggtaact atcatattta agtttggtga tgtcaagagg tttttttttt 300
tgtaacttca aatatataga aatatttttg tacgttatat attgtattaa gggcatttta 360
aagcgattat attgtcacct tcccctatct taagaagtga atgtctcagc aaggtgtaag 420
gttggttggt 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

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atcaatctct acttttatat taagaaaggg gccaaagtgcc aacagtttaa aatcgtggga 120
aggagatccc aagacgttta ctatgcaaag tatgaaggga gcacggcatt catgttaaag 180
acagtgaatg agaagatatt gctgtttgat tattttaaca gaaacagaag aaatgacgtt 240
acacgagtgg ctggagtttt ggcgaaaggg 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

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<210> 10023
<211> 325
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

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gacgcagggg tcttcacagg ttttttacia agagaagttc ggggcagggg gggagacacg 180
gatagngaga tgtaatgcga ggctaagggt actgccgcgg ggatgtcggg cgtttttagtg 240
agggccagct ccaaggaggg ctgaggaag agagaagcat cactgagatt ttgcatctga 300

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tctcgcattg cgtctgaaaa gaaat 325

<210> 10024
 <211> 298
 <212> DNA
 <213> Rattus norvegicus

<400> 10024
 tgtgagcacg gcaacctcca acatgtgttt tccaggctac tggggaagcc agagagttaa 60
 ggatggctgt ttgtacatct gtccctcctc ccctgctgtg cccagaagc tctaggcctg 120
 aggagcagga aggcaggtgg ggtgctcatc ccgctgggga agctagcaca aggcctgacc 180
 aggtcctgga ctctcaagg 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 ctctgaaga 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 tgatgacca tatctcagca acataaaaaa tcagtcattc accatgatca 60
 catggggatt tgggtgaaatt gaagtggta aaaccaaag tagaaggatt gagattgact 120
 tctacaaatg taatttcgag agggaaatcct attacgtaag acggactcct ggagtaacaa 180
 tatactatat aacattgcct ggaagtgtca gatgcaggaa gtccttatct aaactgggtca 240
 actgtccctt cgaagaacaa acagaacagc tgaagagaga aatatgctac tttgaactgt 300
 atcctgatta tattgagcaa aatatacatc atgtaagatt caattgttat accaaatgag 360

actctaagac tgactgggct gttaccacc acttgcagac attaataccta 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 gtcattgacac atatctcagc aacataaaaa 60
atcagtcatt caccatgaac acatggggat ttggtgaaat tgaagtgggtt aaaaccaaatt 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 caggtgggtgt gaaggatcatc 120
gatctgcca ctgaggagcc caaagtgggg agcatctgcc ttgcctcagg ctggggcatg 180
accaaccct ctgagatgaa attaagtcatt gatctccagt gtgtgaacat ccaccttctg 240
tctaattgaga agtgcacga 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

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ggcagacgaa atccctagaa tcccaggcca aatccttcgg acaagtaaag tcccaaagtg      60
gccaaatgaa atcctcctat ggtcagagaa aatcctatgg tgaagagact caactgaagt      120
ctttcgacca agatgcccaa ctaaaatcct atgggtcaaca aaaatcccaa aaacaatcct      180
ccttttagcca agtaaaatct caaagtgcc aactaaagtc ctttggccaa caaaaatccc      240
tcaaagggtt ttctcaacaa actcaacaga aaggatttgc catggatgaa gatttgtcac      300
aagtgcggaa acaatttgac gatgatgacc tctctgtaca acagaagtct acccaacaga      360
tgaaaacaga ggaagactta tccaatttg gacaacaacg acaatttgga caagaacgct      420
cccaatccta taaaggatat cttgcacaat ncagaaagaa attacaggaa caacaacaac      480
agaaaaattt taatcaggat aactttttta caaaggagg ggcaggccta tatcaggctc      540
aact                                                                    544

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<210> 10030
<211> 476
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

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<400> 10030
gttactacca tcagctgagg cggcacgtgt ctgtggacgt gtttggccgg gcgggacccg      60
gacaaccagt gccagccgtc gggttgctgc acacggtggc ccgctacaag ttttacctgg      120
cgtttgagaa ctcacagcac gtggattaca nactgagaa gctgtggcgg aatgccttcc      180
tggctggggc cgtgccagtg ntacttggtc ccgatcgtgc caactatgag ngcttcgtgc      240
ctcgtgggtc cttcatccat gtggatgatt tccctagtgc tgccctccctg gctgcctacc      300
tgctctttct cgaccgaaac gtggctgtct atcgccgcta cttccactgg cgtcggagct      360
atgcggtgca catcacttct ttctgggatg agccatggtg ccagacatgc agggccgtcc      420

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agacctctgg ggaccagccc aagagtatcc acaacttggc agactgggtc 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
 gggctctgcac cctggagatc cggaagccca gcccttttga ttctgggggtc tacacttgca 180
 aggccatcaa cgtgctagga gangcctgcc gtggattgtc ggttggaggt taaagcctct 240
 gccacacact gaagaccaac acaggcagag actgggacaa ggagacagct tggtcacata 300
 ccaggatcgc ngacggacat tctctgccag gtcctgcaga cctgaggatc aggcgcccag 360
 gcacnccaa gaccaagata ccacaagaac agctaattggg ggtgaacctc cagaacctgc 420
 tggctctctc caccagaggt tgggtccaga ccaggagtg ggcctggcgg gcccaggtc 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
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 aacaagacag cttttaaaca cagatcaagt ctaagtatct tgccccacgt tgatgttttc 120
 ttaaaatcag ccaaggacag ctgttattct gtgtactagt cataactaca cattttatat 180
 actcatgtat ctagcttctt ttgtagtgtt ttcataactt aatggctgaa atattacatt 240
 gagtaaattgt aggattgcgg tatttttcta tttatatacct taactttatg tgtacagaca 300
 ggcatatact ccaaggacta agaaaatgtt taagcaggta acgtttcttt ttttttggn 360
 aaaaaaatg 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 taaaagagg gagggtttga agataatgga atcttcttta 180
 tagacaccag atatagacgg ctgaacgtgt gctgtcattg aactgaaac 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	ggcttttctc	ggacctccgc	180
agtgccccgg	cgctccacgc	gcattcacgt	cccgtctcct	gcccacactt	ttccccggcc	240
tccagccggc	cttctggggc	cggacaccgg	caggcacaca	ctcgtttctg	cgccttgggg	300
acccggccgc	caggtgcagg	tccctaccac	cctgccctgc	agaatcgtct	ctagcagatc	360
agctgacacc	tggtaccgca	tgctgctgag	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	catgcccata	cggttccagt	180
ggtggctggt	ccccatgcc	tttggccttc	tcattcttgt	ctatgatgag	atccggaaac	240
ttggagttcg	ctgttgccca	gggagctggt	gggaccagga	actctactat	tagaggggta	300
atcacctctc	catccactat	cagctgggac	aaaacatcgt	gtaatctgtc	cccagcccta	360
tggaactgtg	cccacttctg	cagcccatga	caccattgga	gggactctac	cctttacccc	420
tttcaactca	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	atctaataat	acagtcataat	acaccataaa	caaccagctg	agggggggtg	120
atctgctttt	caatgtgacc	atcgagggtta	gtgtgaaaag	tggatctgtg	ctccttgcctg	180
tcctggaaga	agcgcagcgc	agaaaccaca	tgttcaaatt	tgaaaccaca	atgacatcct	240
ggggccttat	tgtctcttct	atcaacaata	tcgctgagaa	tgtaagcac	aagacctatt	300

gggagttcct tagtggcaaa acgcctttgg gtgaaggggt tgcatactat attcccttca 360
 actacgagca catcacagcc aacttcaccc aatactgaga aggagtatct tctgtttgtat 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
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 tcatggcgga ccacgtgacc ttcgacaacc cccacgaccc ctatgaaggg aaggtggagt 120
 tcaagctcac aatacagaag taaggagtng gcgtggctgt ccaccccaga gcctgggtgga 180
 ccctgagggga ccactcttcc tgactgacat catcggtgtg ccagcatgca cggccacttc 240
 atggttcaga gctgacacca ctgcccattc gccgacagca ggaagtgtc 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
 atgggtgtctt cagcgactat ctgcagtttg ctactcctca gcatgtcttg gatggacatg 60
 gccatggcag gttccagctt cttgagccca gagcaccaga aagcccagca gagaaaggaa 120
 tccaagaagc caccagctaa actgcagcca cgagctcttg 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 ttccagtaa accaagcagc actgccgtcc caaccaagaa 240
gtcctcctga ggccagcagg acgtgtactt tagtccaagt ggcttgaatt ctacctacct 300
gctgcttcct cttcaagagg gaccccgat 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 gtcacagta tgacaagatc accgagtgtc cccagcccag 300
gaatctccac gactgtgatg tggctcagca tagcgtggc catcagggtg 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 aactgtttgt tggtagacaga gacataagga ttggtgatgt gcaaaatttg 120
 aaagtggtagg aaaacttcat taacgagagc ctgcgggtatc agcctgtcgt ggacttggtc 180
 atgcgcagag ccctggagga tgacgtgatt gacggctacc cggttaaaaa gggaactaac 240
 atcattctga acatcggaag aatgcacagg ctcgagtatt tccccaagcc caatgaattt 300
 acccttgaaa actttgagaa gaacgttccc tacaggtatt ttcagccatt tggctttggg 360
 ccccgagct gtgctgggaa gtacatcgcc atggtgatga tgaaagtgt cctgggtaca 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 gtcctccca gggctgcaa ggcattgtag 120
 acacaggtac ctctctgctc gtcatgcctg ccagtagct cagtgaactt ctgcagacca 180
 taggagccca ggaaggagag tacggagagt attttgtgag ctgcgacagt gtcagtagcc 240
 tgcctaccct cagtttcgtc ctcaatggtg tccagttccc cctgtcacc ctttcttaca 300
 tcatccagga ggacaacttc tgcattggtg gtcttgagag catctctctg acctctgaga 360
 gtggccagcc cctctggatc cttggggatg tcttctcag gtcttactat gccatcttcg 420
 acatgggcaa caacaagggt ggccttgcca cttctgtcta gacttgcct ctagacacgc 480
 ctgtgccctt cttccctca gctgctgc 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
 accccttact 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 cctgggtttt gaaatttctt tttctctgcc tgtcattggc cctacgctcg 60
 acgttgctgt ttccttggac ctcctaaact cagtcagtgt tcaaaccaat gccagactg 120
 gcctccctgg ggtgacccta ggaaaatgct ccggtataac agacaaaatc tccatttcct 180
 tgttgggcag acgacttccc ttcgtcaacc gtattctgga tgggtgtatct ggctcctca 240
 caggtgcagt gtcaatcctg ctgcaaaaca tcntatgcc agtgctccag tacctcctca 300
 gcacaatgag tggaagtgct attcagggtc tcctctctaa tgtactaaca ggacagctag 360
 cagtcctctt ctgaagagga agaacagaag gaggaagcca tgacaacccc tgctgggttag 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 atcccagggtg gctgcctgca 60
 tgacaggcat gatcaacggg gacacaacca ttcgccagtt tatccaggac ctgggaggat 120
 ngggaaacct ggagggctga agaagaggggt tctccccgga ctgagcatac ttcttctggc 180
 agatcgggtg gctgttttct gacaattaaa acatgctgtt ttcaagtccg ccagtgtcct 240
 ttctattgat cattgacttt ggaagcagct tccaggagcc tacagtgaca ttatactttc 300
 tcgcctcatg tgagtttttag taagagtttg tcgaaacaaa gacctcctga gaaagtaatt 360
 tcttagtagt aaaatttcaa gcaccaggtc cgatctttgc tggagatat 409

<210> 10046
 <211> 416
 <212> DNA
 <213> Rattus norvegicus

<400> 10046
 ttcataaatc tatacccggtg 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 ctaaatt 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

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actgggctcc cctttaatgg ctgggggcct catagagact tcacatctcc agatgagtcc      60
cacattcccg ggcaagccac ttcacctctn tgagcctcag cctgccccac tccaaaggcc      120
atcataaggt attccctgcc cactcagggg ttttgtgaag acaatacatg tagaagtttg      180
gtgtcaatgc ctggtaaact tgagagatag gccaaagtatt tcccatgatg atcagcattc      240
tccactctct gttgacttgt gtgggttggt ccagcagacc tctgaccag cttctgggtca      300
tgtgtgttca acgggagcct cagtagatgg agagagggag aaggaacatg tgttctgtag      360
gcagtcac                                          368
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<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

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tcttcactgt cctgctatgt gccagccttg ctgccacctc tcttgctgcc gtgcctgggt      60
ccaaagatga actccacctg aggactcagc ccacagatgc cattccagct tcccagttca      120
ctcctttccag 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 ataagtgggt tggaagacat aatctctggt gccagtggta      420
ccgtgaggcc ctgaagacaa aaacgcctaa ccgctaagtc ccacgctagg tg              472
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<210> 10049

<211> 252

<212> DNA

<213> Rattus norvegicus

<400> 10049

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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 agcccgagc 180
actaagtggc ccaattaacc attatcgaaa cattttcagc tgctgcctc 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 gattttgccca 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 ccgtaaacad cagcctcctt 60
 ttactcaaga ggaagctaag gagacactaa tatttgacct gaaaaatatg aatgttactc 120
 ttgatgaacc aatacaaadc acctggatcat 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 ctgagcaagg gacagaggcc actcacctgg 60
 ggtcccagca ggagttcaca gcacaagcag gatgaagtct tccattgccca tcgttttttg 120
 cctcttgatc ctgggagttg acagcaaaaag acggttccag tttatgaagg aagctgggca 180
 agggaccaaa gacatgtggc ggcgcctactc ggacatgaga aaggccaact ggaaaaactc 240
 agacaaatac ttccatgctc gggggaacta tgatgccgcc cgaaggggtc ctgggggagc 300

ctgggctgct aaagtcatca gtgatgccag agaggggtatt cagagattaa caggacacgg 360
 agcagaggac tcaagagctg accagtttgc caacaagtgg ggccggagtg gcaaagaccc 420
 caaccacttt cgacctgntg gtctgcccag gaaatactga attttctctt catgtttgttc 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
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 gaggactgtg gggaccacagg taccttcaca tgagaataag gaggcttgga ctagctctnt 120
 cttcngtggg aacgttcaag tctttgacat gttagttagt aggaaaagca gggaggaaaa 180
 acatgagcac aggtagtaga gagagaccaa ggaagctatg ctgggaggct gagggaggga 240
 gaaggtagca ggtagcatct tctcccttga tgaagtcctt cctcaggcag caaatgggtg 300
 ctctcgggcg ccgccatcac caagacatag atcccgagaa acccataaaa gcaggagtca 360
 gtgttgaagc cactgtgaca gcacaggcat tctgtctagg actctgtcag angggccggg 420
 tgttgtccac tcaatgacgc ttactgggc 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 aaaggggtgcc accctgagat gcttctttcc cctaagattg atgtctaaaa 120
 aatgttcagg ctgcataaaa caaaaataca tttttttaga taaaatgttg aaaataattg 180
 attttcttgt tagaaatgca tgtttactgt gttttgtttt tccagattat atacaaccta 240
 tttgtttacc agaagaaaat caagtttttc ccccggaag tctttgttcc attgctggct 300
 gggggaggggt 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 tgaaagggtcc cagcacccta gatgacctt ttcaagaact ggacaagaat 180
 ggagatggag aagttagttt cgaagaattc caggtgttag 220

<210> 10058
 <211> 520
 <212> DNA
 <213> Canis familiaris

<400> 10058
 agcaggcagc ggtgtttaag ttcccgtgg caccgctcgg ctgctccggg ctgggctctg 60
 cgttgctggc agcggggcct ggactgcccg gtgccccag 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 gttgcagggt aagacgtggt accagaatcg caggatgaag tggaagaaaa 360
 tagtgctgca gggcgggcggc ctggagtctc ccaccaagcc caaggggagg ccgaagaaga 420
 attccattcc cagcagcgag cagctcacgg agcaggagcg cgccaaggag gcggagaagc 480
 cggcgaggag gcccgggcgc accatcgaca ggagccgaga 520

<210> 10059

<211> 154

<212> DNA

<213> Canis familiaris

<400> 10059

aaagagagcc aagactaagt tacctcaaga ctatgtattc tcccccttt ttgagtcaga 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 ggtacacat caggtgactg 60
 tcctagtgcac tgatcatggc tccccaccac gaaatgccac catggtgggt tatgtctcag 120
 ttactgacat caatgataac aggccgtatt tcccacagt 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 tgcaaagtga gtccagaaga 120
 aggatgttgg tcctcctgat gccagaggga gtgcagagcg tgaggacagg ggcaatgccg 180
 ttcttgttcg agacagaatt cacaattcc acaggctaga gtctactctg aggccagcag 240

agagcagagt tctgtcatta cagcagcccc tgcttgctga aggcacctgg gaaccagacc 300
gctcaggag 309

<210> 10062
<211> 482
<212> DNA
<213> Canis familiaris

<400> 10062
cacaactcct tgtgctttta gttttataaa ggattatact gttttttaga gttttcacct 60
agctgggttat attcaaccta aaattatgaa attctctgct catatctttg tcattttggg 120
tgccattttt gtgtatagta gtaatgcata tctggcttac taaattgggc attagtgggt 180
taccagagtt atgtgttata gttctcttat tcactcatct tattttatga ttactacatg 240
ccaggttaga agtggaacta tagagtatta tggaagtga tgtcatattg ccatgagtaa 300
caaaatgtgt tcccggcagc acccattgta ctaagaagtc gtgaactgac ggaagatatg 360
gggtctactc aactctttta taaccatata agtgatataa tgaactaact gtgccacata 420
ttgaaattga aatgggggtc ccttgagta acttctttgt ttctgtttt cagaagggtca 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 cgggtctgtct 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 ccttcttctt gctggttgcc ttgtccggcg ccgttgcctt cagccttttg 420
 gacatgggca gctctgacca ggaaacgagg acgcacgact cccagatcac gcaggaggcc 480
 gtcccccggt ccctggggac ctcgagggt gtgtacacgt ctgtaaaccg ggggccaccg 540
 ctggacaggg ctgaggtgta caccagcaag ctgcag 576

<210> 10065
 <211> 490
 <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> (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

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attttacctt gtatatgctt gactccagtt cagcatccag tagttgttga aaggatgagc 240
aaaatacatt atctatgtaa caaaacagta agtatacaga aagtaaaata tgttaacttg 300
ttctttgttt tatgtaatta aattgtcatt aatagtctaa tggttgtagc tgtatagtga 360
cctttttaaa aaaatatata tatattcata tataacccaaa ttaatttttt taaatgcctt 420
tgttgtggta gaccataatg atttcaacaa ctgtgcaaca aggtttggat gctcctcttt 480
tgagatttgt 490

```

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<210> 10066
<211> 520
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (450)..(451)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (453)..(456)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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 ccaggggtgcc tgggtggctcn ntntnnngn atctgctttc agctcagctc 480
 gtgntcnngn nnncttggga 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

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gacatttgct cactaatcag gctcaaacta tttttctttt gctgtgacac attcatactc      60
catgtaacnt aggtatttcc aggttttagtc cctattttctc taactctttg taaaaaatgt    120
gttttatatt acatgtttctc accaaccatg ttgaaagaat cgtgtaaaaa tcttaatgta    180
caaattgtat agctttgcag atataggtct taagacttgc ttttcagtgt gttgatacat    240
tccaagggtt acttaattca actaaacaag cattttgttc agcaccaagc catgccccag    300
gcacggtgca aaattacaga cagcaaaggg gagaaaaaga gactaatgtt tctgatctga    360
tatcccagaa tactaacnna actgttgccg ttaagactcc cacatatgtg agctggcttt    420
tncccccntt tttcatcctt tgtcactgtt cttatactcc atcatcatta ttcagcaggc    480
ctcaataaag gtttacaac aagacttctg ccagggaag ccaggacatc tagtttctct    540
taggcac                                           548

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<210> 10068

<211> 482

<212> DNA

<213> Canis familiaris

<400> 10068

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gggctgctct gctccacgag atcacgccac cgcacgttcg aggggacctg gctgtcaacg      60
cactcagcaa caatacaaca gctggccagg ctgtcaccgt ggagcttttc ctgaccctgc    120
agttggtgct ctgcatcttc gcttccacgg atgaacggcg tggagacaac ctgggcaccc    180
ctgccctctc catcggtttc tctgtggccc tgggccacct ccttgggatc cactacaccg    240
gctgctccat gaatccggcc cgctccctgg ctctgtctgt tgtcaccggc aagtttgacg    300
accactgggt cttctggatc ggaccctgg tgggcgccat cctgggctcc ctctctaca    360
actacgtgct gttcccgcc gccaaagacc tggccgagcg cctggcggtg ctcaaggggc    420
tggagcccga cgccgactgg gaggagcgcg aggtgcgccg gcgacagtca gtggagctgc    480
ac                                           482

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<210> 10069

<211> 545

<212> DNA

<213> Canis familiaris

<400> 10069

```

aagtgccctt gcttctgaga gccatccctg ttggaatcgg ccaggtgtac ggctgcgaca      60
acccttgga c tggaggcatc ttcctcatag ctctgttcat atcatcacct cttatttgct    120
tgcacgctgc gattggctcc accatgggga tgtagcagc cctcactata gcaacgcctt      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 ctttctgtct cctgacgacc aacaaccccg     420
ccatctacaa gcttccactc agcaaagtca cctaccaga ggccaaccgc atctactacc     480
tatcccagga gaaaaacaga agagcatcaa ccataacaaa gtaccaggcc tatgatgtct     540
cctag                                                                    545

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<210> 10070

<211> 495

<212> DNA

<213> Canis familiaris

<400> 10070

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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 tgatgtcat 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 aagaaccctg gaaccgggc ctttgaaca agaaggatca cttcaatggg	120
acgatcacag tcacgtctac cctgccagtg aacaccaatg actggatcga gggcgagacc	180
tactattgca gggtgacca cccgcacctg cccaaggaca tcgtgcgctc cattgccaa	240
gcccttgga agcgtgcccc cccggatgtg tacttggtcc tgccaccgga ggaggagcag	300
gggaccaagg acagagtcac cctcacgtgc ctgatccaga acttcttccc cgcggaatt	360
tcagtgaat ggctgcgaaa cgacagcccc atccagacag accagtacac caccangggg	420
ccccacaagg tctcgggctc caggcctgcc ttcttcatct tcagccgcct ggaggttagc	480
cggttgact gggagcagaa aaacaaattc acctgccaag tggtgcatga ggcgctgtcc	540
ggctctagga tcctccagaa atg	563

<210> 10072

<211> 492

<212> DNA

<213> Canis familiaris

<400> 10072

gctacagaac aaggccggct tataggaacc tcccgttat ttggaaagga aaatgtcttg	60
tgcaagcaac aaagtggact cttgctcca gaacgtgtgg gatgggaata tctgatcggg	120
tcaccaatga aaatagcaac tgtgaaatga gaagagagag aagactgtgt tatattcaac	180
cttgtgacag taatatatta aagagagtaa agatcccgaa aggaaaaacg tgccaacct	240
ctttccaact cttcaaagct gagaaattcg tcttttctgg atgctcaagc actcagagtt	300
ataaaccac 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 agggaccac aaaatcatca ccaaccaata	60
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tggaagaaa caaaaatatg atttcattat ataacattca actgagcatt tctcagatac	120
actaaaactt tgttgtaaga ttatactttt gtttttgaac caaagcacgg aaatctaacc	180
tgacaatcta taacaatatt gtttaataccc ccacattttt gcccatcagg ctgtaagtgt	240
tagcatcaaa atatagtatg tcccttacct ctgtcttttg aaagcat	287

<210> 10074
 <211> 560
 <212> DNA
 <213> Canis familiaris

<400> 10074	
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caggactcca cccaagtct gatcccagcc cgcctccgc tcaagggtgcc actgcagcct	120
gacttccagc atgaccagtt ccaggggaaa tggtagctca tcggcatagc agggaatata	180
ttaaagaaag aaggacatgg ccagcttaag atgtatacca ccacctatga gctgaaagat	240
gaccagagct acaatgtcac ctccacccta ctcaggaatg agcgctgtga ctactggaac	300
agagattttg tccaagttt ccagcctggc cagttcagcc tgggcgacat tcagctttac	360
cctggagtac agagctacct ggtgcaagtg gtggccacca actacaacca gtatgccttg	420
gtgtacttcc ggaaagtcta caaaagccag gagtacttca agatcacctt 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

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gaacaggggtt ctaggtacca actgtccctc tcccataagc ctgccaagaa gattgatgtg      300
gctcaagtaa cctttgacct atacaagatg aaccacagg atttcattgg ttgcctgaat      360
gtgaaggcca ctctttatgg cacatactcc ctttcctatg acctgcattg ctacggggcc      420
aagcgcatca tgaaggaagt tcttcgttgg gcccntcttc agcatgaaga ccacaggcca      480
tgtgctgctc g                                                                491

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<210> 10076
<211> 501
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (254)..(261)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (266)..(276)
<223> n is a, c, g, or t

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<220>

<221> misc_feature

<222> (278)..(278)

<223> n is a, c, g, or t

<400> 10076

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ctttagtttt tcttcaattg aatttttcct tttgttggtt ttatttagaa tcctctaaac      120
agtcttgtat tngtgtgcct ggaatgtctg ctggaatagt acttggtgct ggtagtattg      180
gaacagatat tgtaaatgaa gtcctagatt tacaagtgc ccccgtcagt gcccgcnacc      240
cngtcaccnn cncnnnnnnn ncnnnnnnnn nnnnnncncc cctagtccac cttaactggt      300
tattattctg tcagacgtca aaaaaggagt tgattccact aaattcttct gaaataggga      360
agtcagaggc tacaaggcga aaccaaagtg ctgttcctcc ccatagtcac gaaccactcc      420
ttggcgaaaa tgcccagctg gatattgatg ccttgtgtga caatgacgac acagccatgg      480
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<210> 10077

<211> 43

<212> DNA

<213> Canis familiaris

<400> 10077

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<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

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tccggtggct ggatagttag ggtggcccct ggctcttctc tcagcgcgac ccctcagtgc      180
tcggcagtca tactggggcg ccggagatgt gagctgtggt cagcctccct gggctgctgg      240
gggccggtag cttcttggtc tgagcttcat ttccgtgaag ggcacagaga actcgaaacc      300
cttccagtag taccagctca cccctggga aaggattggt gagacagagt cagagccaga      360

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cagacgtccc atctgctccc cagcctacac cctgcacccc ggcattctggg gagatgggttc 420
ccagaaatca atcaccttcc ccccgacccc acttcatgat cctcaacngc aaaggccgga 480
ggcttagttt aagctggccc ttacatcca 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

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cccgaggggg tggagctggg ggggtgtctgc tccncgggtcc 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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cgcgggcgcca ggcccaggga aacgtgagca cgatgctgca gctgggtccc ctcctcaaag 120
ccagcatcaa ggagacactg aggcaagccc gccggccacg cctgcccgcc tcacctccca 180
ggccccgggc aggactccac cccatctccg tgaccctgca gagatacctt gaaaatgact 240
tggttcttcg aaattacatg attcccgcga agacgttggt gcaggtgtcc acctatgcca 300
tgggccagga cccaccttc tncctcaacc cgagcaagtt tgaccaacc cgctggctgg 360
g 361

<210> 10081
<211> 424
<212> DNA

<213> Canis familiaris

<400> 10081

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gtatgtctac ccggggggacg tgctcatcac ttcctgtaca tacaacacag aagacaagaa	120
tgaggccact gtgggggggcc tggggaccca ggaggagatg tgcgtcaact acatccacta	180
ctaccgcgag acacagctgg agctctgcaa gagccatata gaccctgtct tcctgcagaa	240
gtattttcac ctagtgaaca ggtccaacct aggggaatac tgcacctgcc ctcaggcttc	300
tggcaccacc tgccctcagg cctctggcac cacctgcccc cgggcctccg tccccgagca	360
gtttgtctcg gttccctgga actccttcag ccgagtgggt ctcaaggccc tgtatgactt	420
cata	424

<210> 10082

<211> 41

<212> DNA

<213> Canis familiaris

<400> 10082

tatctccact caaagtaagg tgctcatggt tctcccaaaa g	41
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<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

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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> (93)..(98)
<223> n is a, c, g, or t

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<223> 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> (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> (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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<222> (268)..(268)
<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> (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

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 gagctcatcc ncttccggaa cctggncctt gctggggcg tncggcagtg cgtgggcccgg 180
 cgcacgcgtg agctcgagat gnccctcttc ctcatccnca ttctggagaa cttcagagtt 240
 gaaatgcagc aactcaggga tgtgggcncc acgttcaacc tcatcctgat gcccgncaag 300
 cccatcttcc tcaccttcag gccgtttaac caggaccnc cccaggtgtg atgagagggt 360
 ggacactgcc tctccccct tcaggccagc agggctgccg gaggaagtcc cgaggggggtg 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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 agtcgggtcta ctttgtgtct gaaagcttca gcgatgccaa ggacaagctc aggaactacg 180
 cttcccgcat ccaacgcccc ttctccgtga agttcgaccc atatangctg gccatcgacg 240
 tgctggacag tccccacgcc atccggcgct cgctggaggg ggtccaggac gagctgcaca 300
 ccctcgccca tgcgctcagc gccatcggtc agctgcagcc ggagaggccc ctgcagtctc 360
 ctcacccttc cccggcctcc cccggcccct gcccaagcaa ggggctgggg cactgggcac 420

cccaagagc ctgccagaga cctccccac 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
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 tgggtggagaa cacggagggtg gaatgttatg actctctcac cgctgcctg 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 accgttgag 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

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 <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> (89)..(89)
 <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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 <223> n is a, c, g, or t

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 <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

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 cncaaagtga aagactcgct taccttctgt ggcaagtgcg tggaaagtaa atgcttcatt 180
 tctcttaatg ctcaatgctg tggatcatgt ggctgtttga gggctctgcat 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>
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 <222> (309)..(310)

<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

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<222> (358)..(362)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (366)..(370)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (413)..(415)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (431)..(431)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (447)..(451)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (453)..(454)

<223> n is a, c, g, or t

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caaatgtgaa aacaagtata catatgggat gaacacaacc cttaagtttg gggaaagtaa 120

aaacaagggt gcttcttcct agggatctgt gtaccactgg ctcttttaca aaccaagggt 180

ataaaagatc tagttctttt aaaaaaaggc tctagatcta accattactc tctaaagcag 240

cagagctaag tttgttactt aggatttcat tttagcatct gtttaaacta cttaaattgg 300

ggtgcctgnn tggctcagtg ggttaacat ctgccttcag ctcggatcat gatccnannn 360

nnctgnnnnn gagccccaca ttgggcttcc tgctcaatgt ggagtctgct tcnnnttctc 420

cctctgcctg ntactcccc tgcttgnnnn nttnctctgt caaatgaata aataaaaatc 480

ttaaaaaaa ataaactact tagctgttag cacgattatg catttggatt ttcttcatct 540

gacctttt 548

<210> 10088
 <211> 474
 <212> DNA
 <213> Canis familiaris

<400> 10088
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 tgaatggcag atgttctctc catgctgggg aatgaggagg gaggagtcag ccagctttca 120
 tgctcatggt ggcctggcct 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 tctagtatt gtcttgggaa tgtttcactg ctacctgcac ccagtgactt 420
 tgcagcacag aaccggttta atgtaactat gcagagctgt ttggacttca tagt 474

<210> 10089
 <211> 50
 <212> DNA
 <213> Canis familiaris

<400> 10089
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<210> 10090
 <211> 514
 <212> DNA
 <213> Canis familiaris

<400> 10090
 ggcaaggcac actttgttcc tatttttaaag cctccctcct tgctgcataa ttccccacc 60
 cagacctctg agccactgta gctgctgcct cccaacccca gtaacactgc tgggtgaagc 120
 cactgtccta catcagataa ttcccaccct ccagtgcact gctgtttttt cctaaccxaa 180
 gggctcttgt ggttcccctc ctactccaat gcaaaatgta ccctcatact gtaggtagca 240
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 ctttccatgg gaagactggg gatgaggggc aggcacagga ctatctgtgc ccacaaatag 360
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 cttccctctt tccaagacct ggtgcccttc ccctcactcc ctctgccac 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

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 agtgctcgcg tgcagctcca gaatatggaa acagagcaaa agaaccctag gacctttttt 120
 agaaacagta cgataaatta tttttgagna cnnnncagta tatagtgatg tgctagaact 180
 ttttaggctg attttagtgc cccattatta acgattcccc ggaacatgga aataaccact 240
 gtttacagag ctgagcattg gtgacagggc ctgacagggc cagtctaaaa taaaatttgg 300
 tggcaatatt aggttaacttt ttttcctatg aagtcttttg taggtccttg ttg 353

<210> 10092
 <211> 535
 <212> DNA
 <213> Canis familiaris

<400> 10092
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 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 ttcattccgcg gagccaaaag cgacccgtcc 480
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<210> 10093
 <211> 410
 <212> DNA
 <213> Canis familiaris

<220>
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 <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

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 <222> (229)..(229)
 <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> (248)..(248)
 <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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 <222> (342)..(347)
 <223> n is a, c, g, or t

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 ggcataataa ctctgataat tctgtatggt anngggtttt atgttctgat attttgactg 120
 gtttgggaaa aacggagttg tcccaaagct gaactcagag ttgtcccggg aaatgcttaa 180
 nnaccgactt tttgggtggn aagccctgat ccatagtgtt tgtcaattnc catgacttaa 240
 ncactttnac tatggctgat tgcaggctgt gagagtgaca tcaactgagag cagaancggg 300

gatgatgtat gcagccgacc cttgtaagtt ggtgtaccca cnnnnntcc atgggcatgt 360
 gtgaaattgc agttttttta ttaaaaattc tgcccatag 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
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 aacgagtcgg agctgcaggt gttctgggtg gatcgcgcgt atgcgctcaa aatgctgttc 120
 gtaaaggaaa gtcgcaacgc gtccaaggga cggaggcga cgtggagggt gagcaaagtc 180
 cagttcgtct acgactcctc ggagaagacc cattttaaag atgcagtcag tgctgggaag 240
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<210> 10095
 <211> 528
 <212> DNA
 <213> Canis familiaris

<220>
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 <222> (26)..(26)
 <223> n is a, c, g, or t

<220>
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 <222> (120)..(120)
 <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> (336)..(336)
 <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> (363)..(363)
 <223> n is a, c, g, or t

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 aaaagtgtag aaataacagt gggatggtag ccatacagcc gagtttccac cttataacac 180
 ctgccctcca ccgtgacaaa cacgtattgt cagtttccaa gtcttttgag accagtgggt 240
 catccatgaa acttacctc ccatacacac agtgnctgt cattctggct tatgagctct 300
 aaggtggagt gagagcagga gactgccttg ccaagnanag aaggacatct ccatggtagt 360
 ggnaccgga gcctctctat catttagatc ctacagaaac ttccctgctg tctgacttgt 420
 agtgcactca ggtcatgaca cctggacaat gcaccccttg aaggatgggc tttctcttgt 480
 ccacctaga ttcttcagct tcagaaccag ctctgcattg tctccaat 528

<210> 10096
 <211> 491
 <212> DNA
 <213> Canis familiaris

<400> 10096
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 caccatctat tatgatacca agattcggtt cttcatccga ggctgtggac agtataattc 180
 ctaccgctgc caagaaaaac gcaataccta cttcccggag tactgggtacc aggcccagtg 240
 ctgccagtat gattactgca actcctggtc cagccccag ctccacagct cccctcttga 300
 cccccctgct gggacctggg gcctgccct ctctgagtcc cagatccagt gggttctaccg 360
 ggccctgaac ctctcgcttc ccctccgcag cttccatgct gggggggagc ctgaatgcct 420
 gggtaacctg gccaccctgc ccctgaatct gagcttatcc attgctgacc tgcgtcacat 480
 atatttggtt c 491

<210> 10097
 <211> 468
 <212> DNA
 <213> Canis familiaris

<400> 10097
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 aacatcggat atgcaaaccg tttaaatatg gaggctgcta tgggaatgcc aacaacttca 180
 tcagcagagg aaactgcaga gtggcttgct catcagttgt caagactgga cagtgccac 240
 tcttccccctt caagaaccgt atggagtgtc cagcttctcg taagggtgac atggattgcc 300
 ccaaaagtga caaatgttgt gaatccatgt gtggctttgt ttgtgccaag gcctggacag 360
 tcaaatcagg tttctgcca cgcaagcccc tgatgtgttc caagattgag agaccaagt 420
 gcctgcagga tcgtgattgc ccagtgtccc agaagtgctg ttcacatt 468

<210> 10098
 <211> 484
 <212> DNA
 <213> Canis familiaris

<400> 10098
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 aggccactaa aggagagggc agccggacta cggagaactt ggtgcttagc agcaaaggcg 120
 tgctgcccc cggctggccc gaagacccca tcctcggtga agacgaagtg gcgggaaaca 180
 aggtgggagg ggagcctctc cttcccagca acaaagccta cttcgggtct gacctgctgg 240
 ccagggaatg caacaccctg atggcgccca aggtgaaggg tcacaaccgc acgtgcataa 300
 gccagtacac gttcatccat gaggaccttg acaccgtcca ggccgtctgc aacagtcccg 360
 tcgtggcctg tcagctcaag ggaggcaa at gccacagaag ctcccgtcct tttgacttga 420
 ctttctgtag gttgtccaaa ccgggccagg tcactcctca ctgccattac gtcactttca 480
 tttt 484

<210> 10099
 <211> 117
 <212> DNA
 <213> Canis familiaris

<400> 10099
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gttttctgca gtgaacaatt agaaggttct aacaaattta aattgtctca ttttgga 117

<210> 10100
 <211> 268
 <212> DNA
 <213> Canis familiaris

<400> 10100
 ggaagttggt gtggcctcca gccaaaacct ggcaactgaag accccaaaga ggctggaagc 60
 cttgttcctg accttgagcg ggcacgaact gctggtgaag gctgcatatt acagctcagg 120
 aagttgtgag acagaaaaca tagtgggctc agagatagac atgtcgggga cattcgtctt 180
 ccctggtaag aaccgttgcc ctgttgctac aagccccag 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
 acggggccttt 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
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 gggaaggctg gaccctaagc agcttctggg gtccctggtat attctggccg tggcctcagg 120
 tgaaaagggc tttgcattgg agaaggccac gaagaacatt gagggcgctc 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 cttcagcac cgtggagctg tacagccgga cagaactggc 420
cagccaggng gccatgggcc ttttcaccag gtggagct 458

<210> 10103
<211> 173
<212> DNA
<213> Canis familiaris

<400> 10103
tccatcaaag aactgcagag tccttgaga ggcttccac cagtttttca agtccacact 60
acatcacact gaaacctgca aataaagatc 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 gcagcgggtc tgacatcatg gtgagtgact 60
gccgccacaa ggagcagatg agtgattgtt catatacccg ctcttctcca gtgtttggct 120
tctggatatt ttctcgatgc tgctccggg agttctgcaa taaccctcag aacagagtct 180
tctacattcc ttagaatttc tgcaaagact tgtggaataa aatcctgcc gttgccatcc 240
atcttcttga tttccagttg gctggcacag ccaggacaac ttccaatcct ttttaccagc 300
cctccctgcc tctctcaagt tactggcccc cagccctgtc tcttagttga caccctcaa 360
gctccccgac tccactctg cccctcccc aggcctcctc tccagaagtc tgagttttca 420
agtcctcacg gtctgacagc ttttgtcctc ttctccact cttcaagctg cttctttgcc 480
cggctttgcc catctccac cacaagccag tctgcctca agtccccagg tgttcctccc 540
aaataaattg 550

<210> 10105
<211> 136
<212> DNA
<213> Canis familiaris

<400> 10105
gggccatatt 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 ctccaggaaa 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
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 gagtgttgga gaagtgtctg catcagaccc ttatgtgaca accaccatgc agtatttgag 120
 cgatgacttc aacaagaagn ataacgacaa gtacaatttc cggattgtgc ggctcctgaa 180
 ggtccagaag cagattactg accatatgga gtttcatgtg aacatggaaa tgcggcggac 240
 cacctgtcaa aagctggaga ctactaattg ctctttcag gaaggggagc ttacaagca 300
 aattgagtgc ttctactcag tgtttggtgt tccctgggtt 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 ttcccttgta ttttcagtgt ctctggcttt	60
agtgtcattt tcttcctagn aanctgggat gctgcacctc ctagaaaata atgagttcag	120
agtctgcca ggctggcctg gggaaggcac agtggcttcc tgggtcccctt ctggtcacca	180
gagtcagcca tgcccctcat cttcccagtc ctctgccaat ctggtcccct gctgcctctg	240
ttcagatctg tttgtagatc acattctacg cctaccttga gaccagact gaacttgcag	300
taagaagggg agactaatgt gcacgtttcc ttactaggca ctgtggtgtc cctgcctcac	360
tgtgtctact cccacctgct tctctggtca ccttgccctg gtcacctgct tctctcctct	420
cgttgcaagtc cgtgggtctca gtcccactcc gcatcactga gtcctgaaac ccgcttccat	480
agatgccagg ggagaggaga ggggtccccc 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
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 aagttcaaga aaaaatcatg tcctaggcta ggttatcaag ctgagctatg gaaagatgct 120
 ttaaaagaaa gaaaagaaaa acaatttctc aagaccactg tgtttttgga tactagtggc 180
 naaagtccat tctgtacctt ttattttggt 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
 tgacctgccg 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 taagtgaat 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 ggcattgtcta aatgggaaat tatgttggtg taatgaagac aaaaacaaaa 180
aacacaaaaa 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 aagtcattgtt ataaatgtaa aaaatatcat cttgggttat gctatgacat 120
catgaagacc tgtaccctaa agtaccaaca gtcctgtgct gttgagaact ttacttcct 180

tacaaaaaaaa ggacggagta tgtatTTTTta 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
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 ttcagatagg ctttatgctg tacaaaccaa tttctggcta taaatggatg gatgatgaca 120
 aaaacaacat tatatttgtc accaccttct tctgctggca tgtggctttc attgccattt 180
 taatgatctg ggtctatggc ttctcctttt tgtggtatta ttacatttgt tgaggatatga 240
 accttgggtga tcccagaatg gcttttgtca cctgcacatt ctggaatacc tagatgagaa 300
 gttgtaggaa gtggaggtgt tagaaaggaa gatgactgag gcaacagact ttgttgggat 360
 ggacatccac ctctccctt 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
ctgcccataa 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
gggtccagag aaccttggga agaattctct ggacaaggaa aaaacgagtc tcacttgcta 120
caccaccgag aaaaacgtcg cctcttacca cgca 154

<210> 10121
<211> 186
<212> DNA
<213> Canis familiaris

<400> 10121
aggacgttcc tctttctttt tgctgttttc ttccttctgg cccagccag 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 tccgaggag 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 aaaccccag gaagtccagg tgtatgacac tgactacaat 120
 gtgttcgctc tgatgctgtt cagaaggcag tcagggtggc agagcatcct cagggttaac 180
 ctgctctgca ggatgtggat aatccagacc cagggtgctgg 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
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 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 tgtgcgcac caaatggctc ttgccaggag ttttgcttgg aaacggaaat 60
 ccaagccggg aggtgtttta 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 tccggaacc 60
 tgagctgggt gaggggttac ttgccatcaa gtgtccccgt accagaatac catgccgtta 120
 cagagaaatc gaccaatgct cgaggagtaa aagctgcctt gagaagatga cttgctgcaa 180
 ttttaactgt tcaaagaaat gtttagacct caaggaagag gctttcca 228

<210> 10127
 <211> 412
 <212> DNA
 <213> Canis familiaris

<400> 10127
 ttcttagcg aaactcactc tatttatattt tatttatcc tgtttattta tttatttatt 60
 tgcttccata cacttggtat tcagatcctt catgatgatc catttggtga gcttaatttg 120
 tacataacac tccagaaact tcctgtagat cattcttaaa ccatgttaac gagcaatgct 180
 gtcaatgcct actcatgtgc acctcgctca tggaagatat ttcaagggtgt ttttaaagga 240
 caagagtgat tattgcagcc ctcttctgaa tttttaacgc tgaagtttga ggcaacaggg 300
 ggcattgtgc 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 catcgccctaa 60

atggaaaact ctgtggatcg ccgaaaaaga gtgggattaa aactttggan ccctaaaact 120
 tttattcaat tgtaaaaatg nattatatg catcgaaaaa attaaaaata ttgatcatta 180
 cttattacct ctcttaaaa 199

<210> 10129
 <211> 321
 <212> DNA
 <213> Canis familiaris

<400> 10129
 gaatggatct tggctcttggg ctgcctgttg ttcagtgtct ggttttctag ttggttaaga 60
 gccttccatt gacaacgaca gaagaaacat gtagctttta 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 cgcgaggagaa acctggatgt cttaaaattg ctactgaaca aaggagcaaa 180
 aatcagtgtc cgggataagt tgctcagcac tgcgctgcac gtggcggtga ggactggcca 240
 ctatgagtgc gcggagcatc tcatcgcttg tgaggcggac ctcaatgcca aagaccgaga 300
 aggagatacc cctctgcatg actcagttag 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

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ctgtgtgtca tcttgcattgt 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

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<210> 10132
<211> 423
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<400> 10132
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atcacacnct tcctgctgtt gagatagagt cggccataag aatgaatagg aaccggatca 120
acaatgcctt ctttttgaat gaccagtctc tggaatTTTT aaaaattcct accactcttg 180
caccacccac tgacccatct gtgcccatct ggattattat attcgggtgtg atattttgca 240
tcgtcatagt ggcagtcgtg ttattgattt tadcaggaat ccgggaacgt agaaggaaga 300
gcaaagaacc atctgaagca gatgacactg aagataagtg tgaaaacacg atcacaattg 360
agaatggcat cccctgcgat cctctggaca cgaagggagg gcacattaat gacgccttca 420
tga 423

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<210> 10133
<211> 373
<212> DNA
<213> Canis familiaris

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<400> 10133

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aacctggtta cctgggaact gctattcctc attacgatgt gcaggtcttg gatgacaagg      60
gcaatgtctt gccccctggc atcgagggag acattggcat cagagtaaag cctatcaggc      120
ctataggcat cttctctggt tatgtggaca gtcctgagaa gacagcagcc agcattcgag      180
gggatttttg gatacttggg gatcgggcaa tcaaggatca agacggctat ttccggttca      240
taggccggtc agatgatatc attaactcca gtgggtatcg gattgggccc tcagaggtgg      300
agaatgcact gatggagcat cctgctgtaa ttgagacagc tgtaatcagc agcccagacc      360
ctgtccgaaa aga                                                              373

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<210> 10134
<211> 55
<212> DNA
<213> Canis familiaris

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<400> 10134
gttcataggc cggtcagatg atatcattaa ctccagtggg tatcggattg ggccc          55

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<210> 10135
<211> 503
<212> DNA
<213> Canis familiaris

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<400> 10135
ctttaccctt ccttacagat aattgattct tatctgccat ctcaccaaga aaatgagcat      60
gggtataattc taccaaggga cttggccata aaacttgtga gtttatatct caccaaggat      120
gaaacatttg tcgagggcagat gagaagaaat gaacatatgc ctcaggaatc aagacatctg      180
tttcagtttg ttaattggag cactctttta cccgagaagt ataggaaggg ttatgtttat      240
actgaaccaa ttcttggaac acataatfff tcatttccag gacttatgga tattagaata      300
tcacccttac tagccaatga ttccctgtta cagaatttgc caccaaccta tattcttacc      360
tgtcaatatg atattgtgag ggatgatgga cttatgtatg tttcaagact tcaaaatggt      420
ggagttcaag ttactcatga ccatattgag aatggaatcc atgcagcttt atcatttatg      480
acaccaccac tgtattttaca tgt                                                              503

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<210> 10136
<211> 359
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature

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<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 aggcattgga gtggncactg aagggggacc cagtttttgg aggtggagtt 120
 tgttttctgag ctgccaaga ctancacagg gaaaatccag cggaagaagc ttcgagacaa 180
 agagtggaag acatccaggc aagctgaggc ccagtgagac ctacatgggc atccctttgg 240
 gccctacact tcttacttcc atttcccttt ggacttttctg ttttcctcta gggatagaag 300
 atttccttat gacaagacaa cttattttctg tctttccctg gaaagcacia 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 ttacctctg 120
 tgtggcatct aaaaactttg gcacataggt gtgagaacac tataggaacc tcaaaaaagt 180
 gtcccttccc catggctcat gtttgtggta gtatctactc nttcctagaa tcaagtaatt 240
 gttgggccag tgggatcaag ggggatcagg aggcaccaac taaatggcgg cagaccctcc 300
 atcttggttac cctcccctca gaactttccc accaccggca gaccgcccac ggacacatca 360
 tcagggtggag acaggacctc tgcaggaaac ctgaaccaca ccttaccaca accccatata 420
 agggcataag cagttatcac ccatacaga cacaactccc taccctcttc 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 acagtgcctt 60
 ctcttttttct tggctaatac aataaagaaa ctgggttcctt 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 agtgttgagg gccatcttca acncccgaca ccccgtttgg 60
 agaccttggt gggttggacg tggaagagga ggtagagaag gaagaagtag atgaagatga 120
 ggtttttcct cnagcgcagc tggagcagtc caaggccctg gagctccagg gggatgatggc 180
 gngggaggcc ggccacctna gcacggccct ggagagggtt ggccaagcca ttgacctgct 240
 gccccagagg gcctnccgct acaacaaccg nccccaggcc 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 acccagtcgt 120

gattcgaagg attcatcaag gaccagttca ccaccctccc tgaggtgaag gaccggtggt 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 tgatatatct 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
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 atgtctactt gaaatcctgg gagctctatt tgggttttagc gtggtcttat gttgtttact 120
 atagtccaac tgaagttcaa gtgatggcag acggatttga ttttgctaata 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
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 gccaggccgc cagattgcaa agccacactg acctcacctg aacaagccag atgcttttct 120
 gtcttatgtg tcagccacca tccacctctc ctttcacatc aggaaggaca ttcctgaccc 180
 tttcttttca ttgtctttat cntttaagat tcagttcaaa tttccctgta tgaaacaaaa 240
 ttcttttttg 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
 ttgtttctcaa ggttgagcca agagatggga gtgtaagtgg agcctgactt tcctaaggac 120
 ttcccctttg 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 tgctccccct 60
 cccatcagtg gaggtggcta tcgagctcgt ccagtcaaac cagtagccag ccaaagaaa 120
 ttagaaagaa aagcccctga tgctgggggc tgtcttcatg ctgaccaga tctgggagtg 180
 ttgtgtccta caggatgtca gttgcaagat actttggtaa aacaggaaag gccaatcaga 240
 aaaagtatag atgaattaaa taataatgtg gagtctgtgt ccagtcctc 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 ctccctgagaa tccagctcat ggctattttg aagggggaga 60
 ttccagctca 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 tgctttttatc 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 cgcattctaag 60
aaaatgacaa gatagagatc actgcaggga ttttgaagaa ttctaaattt aaagactgaa 120
tttaaagaca gagtccatca tcttaaaaga caacaggggtt cctaggagga aagaggattt 180
ttcaaattaa gtggaatatt tgaagtatta gcatttgttt attttanaca ttatattatc 240
accattaaa 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 tgcgggtcac tgtctccagc aagccaagaa attcacggtg 60
agggtaggtg aacgggacac agacaaggag gagggcaacg aggtggcaca cgaggtggaa 120
atgatcatca agcacaacaa gtttgtcagg gagacatacg actttgacat cgcgggtcatc 180
aagctgaaga cgcccatcac cttccgcatg aacgtggcgc ccgcctgcct gccgcagaag 240
gactgggccc agtccacact catgacgcag aagacaggca ttgtaagcgg cttcgggaaa 300
accacgaga agggccgccc gtccaccacc ctcaagatga tggagggtgcc gtatgtggac 360
aggaacanat gcaagctgtc cagcagtttc agcatcacc 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 tcctgcccac 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 agctaaccac 300
 tcaaactctg agttttctct tctcagtggg 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 ggttgcctg cncangtgt 60
 ggaagaagca ccctgtccac caggactttc tgggcttcta cgtggtggac agtcaccgga 120
 tgtcagcaca gaccatggg ctgctgggac aattcttcca accctttgac tttaaagtgt 180
 ctgacatcca ccaggtctct gacccacaaa agccagatgc cacgatggtg gtgaagaacc 240

atcggctgac ggttaccagg ggctcccaga aagactacag aaaggacgtc aacattggca 300
 ctaaggctgc 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 atgccattc ccatcaagac cagacaatgg gtttgtganc ttcctgcaa 60
 ancaaattcct ttattacaag gataaagcca tgtatgggtg ccatgatacg tataccttgg 120
 atggcccaga agtagtgga tgtancaa tttggaaactg gtctgcacag ncaagttgta 180
 aagcatcttg taaattatct gttaaaaaag ctactgtgct ataccaagga gagagagtaa 240
 agcttcaaga aaaatttaag gatggaatgc tgcattggtca aaaagtttct ttctactgca 300
 agaataagga aaagaagtgt agctacacag aagatgctga gtgcatagat ggcaccattg 360
 aaatcccaa 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 gcatgtatTTT 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
aaccacctca gccttccttg agaataagag aaaaaaagag aaatggagcc ctagagctta 120
ttcatctgtt tttcttttcc tgntggngna aaaccaaccc tctatcttaa gaacncaa 180
tcttttaaac attttgctc 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 acttaciaag cctcncittca 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
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 nccgttgact tatacacagg gctgcatccc ttctgaacca tccaaggcct cacacaccat 120
 ggacagatgc ctctctgcct ctctgtctt cagcctctcc ctctgtaatc ttactgcctg 180
 ttagctaagt ctctgacata gggactgccca tattcagaaa tgtcctcttc tttctgggca 240
 aaagcacatt gtgagtcttt tgatcaaaat aagattaaaa tggaaggata tcaagaaact 300
 ggggagatgc ctgggtggnt cagnngnnnga 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 atattatatt 240
 acttgtcctg tagtgaatgg tgacaaacc aaagacttgg tagtacttgt atcacgaaga 300
 aggcctctca aagatggcaa cacttacacg gtggcagtga agtcggttac tctaccatca 360
 gttccacctt ctctcagta cagcagaagt gaaattttat gtgctggatt tctcatccat 420
 gctattgaca gcagttcctg taccgtatca tacttcaacc agatttctgc tagcatctcc 480
 ccttactttg ctggaaatct tgggtggctgg 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 agacttggtg 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 ttccagtga ccatctcact ccccttttc tggtttcagg ttctctaggc	60
aaccttttga ttataattag gccttcata ttgaattttc taaagagttg ctgaccaacc	120
tctgcatgta ctttagtggtg ttaggctggc tccctttatg aattaataaa ctgttgttct	180
ggttgatact gtagcttttt gtgaatgtgg ctgatgtgaa tcagtcatcc cacatgttgt	240
tatatatgag actactgaca aaatcatgtt tgggaccact ttgacctgac caagctgctg	300
ccttcacctc acccccagcc aggcatcttac ttttagtcctt 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 tctactggtgg	240
acttcctgca ggaggtgaac gtctatggtg tgtcagtacc aggttggtgag ggcaaggtgg	300
gcatggctgc ggtgcagctg gccccggcc agacttttga tggtcagagg atgtaccagc	360
atgtccgcac ttggctccct gcctatgctg caccctttt catccgcac caggacactc	420
tagcgatcac aagcacattc aaactggtga agtcccgcctt 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
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 ccttcttggg catccgaaaa ccaaagcctt tataacccat ggtggaacca acggcatcta 120
 tgaggcgatc taccacggga tcccatggg gggcattccc ttgtttgccg atcaagctga 180
 taacattgtt cacatgaaag ctaagggagc agctatcaga ctggnccttc gcacaatgtc 240
 tagtgcagac ttgctngatg cattgaggnc ggtcattaat gacccttcgt acaaagagaa 300

tgctatgaag ttatcnggaa ttcaccacga tcagcctata aagcccctgg accggggcagt	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 ggtgtctgag ctgcccttca agggggacga catcaccatg	120
gtgctcatcc tgcccaagcc tgagaagagc ctggccaagg tggagcagga gctcaccctg	180
gaggtgctgc aggaatggct ggatgaaatg acggagaccc tgctgggtggc 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 tgggtccaggc cttccgaagc catgggtacc	60
cgatac	66

<210> 10169

<211> 188
 <212> DNA
 <213> Canis familiaris

<400> 10169
 ggttctgttg cttgtcctcc tggatttggg atttgaggtc cagggggccc atgagtccca 60
 gcaagatgaa accaccagct ccgccctgct caccagatg 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
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 tagtccttgg agcctggtgg ccaccaaggt gaaggagggtg gtgtccaggc ccagagagaa 120
 gtggcagtgg ttttnttggg 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
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 gtcttttctcc 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 tacctacaa 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
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 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 agcctgggtc acagcaactg gaggaagaat gagccaaaca accncnggct 360
 cgggggagga ctgtgtgac 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
 acccctcggg gaccagactt ggaataaaat ggctggttct gtctgctgtt ttccata 57

<210> 10174
 <211> 106
 <212> DNA
 <213> Canis familiaris

<400> 10174
 gtgacacagt ttttaaggagt tccaggaact aactgctaata caaagagcaa aatagaggaa 60
 ggaaaatcag gatcatccgc agatactgga aaactctgta aaataa 106

<210> 10175
 <211> 155
 <212> DNA
 <213> Canis familiaris

<400> 10175
 gggccccctt cagaggtctg tgcgtgcagc ctggcctctc tgcaccgagg agccacgtgc 60
 caggctctgc cctgctcatc ctttagaagg tgccagtgcac 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 tttctttggt 60
 tagggagggtg aagaagnaaa aaaaaatggg gaagataaag tagttaagat tctttacaat 120
 ccactaaaaa aattcacagg tgctatttta ttatttcttg tactgtatct aaatgtaact 180
 gagacatatt actgctttta 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
 ggcattctact accctggggg ctctatgat 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

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cccttcgccg gctctgctcc aagctcgagc ttggaactgc gcattgatgg accccctccc 180
aggccacagc tccaggctct gtggagtggg gctatgattc ctggacgtga tgccatcctg 240
cgctgcaagg gccagggtgcc ggaagtcgtg ccgcacatca cttttgagct gttgcaggaa 300
ggcaaaaagg agccttcaac ccaggctctgg gccaccacc cctcagcgga ccttgactg 360
acctatgtgg ggccccagca cgcaggcaac tacagctgcc gctatcgctc atggttgccc 420
ancccccttcg tgtctgagct cagtgacca g 451

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<210> 10179
<211> 308
<212> DNA
<213> Canis familiaris

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<400> 10179
ctacctggta ggcttatccg tctctcctga aaacaccatc tctcagagtg ggttctgcag 60
aaccttcctc tcatgcaaag tgcagacaga ggaagggaaa gtatctgtgg gaaacttagt 120
ttgggaaata atgcttatct tgacaagtcc tgcagtacgg aaactggtta ttgtgagtaa 180
cacagtgtct tgcaaatgtt accctccact ctctacctc actttattgt tttcctctat 240
gcttattcca catcctgtgg aattcaagtc catccaaagg aacacaaggc aatccacgtg 300
tgtaattt 308

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<210> 10180
<211> 219
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

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<400> 10180
atgggagaca gagtgattca tcaacatacc tagaagccag aacacgggta gggaatttag 60
catgctcaga aataattgac agtaatcaaa tcaagacact gtacttatac catctactgc 120
caaacctcaa cgtttttttag tatnattgtg gataaatgtt tcccgtgcgt ggactgttgg 180
attctgtaat aataagtgac acatctataa catttattg 219

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<210> 10181
<211> 166
<212> DNA

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<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

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cgggcggccc taactgggct caggctgcca cagctcagtt tccaacaggc tgcgtctcag 120

cccgnccag 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
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 ngggcttctnt tatctaacac gactcaatgc tttccgagaa gtaancccca gtaganccttc 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 tgggtggtgaa ccatccagat ttttaagtcca 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>
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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> (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
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 gtttcctctt ccttggtttt gcaaaaganc aagataaatg ctccnttaaa attaaggcgg 120
 ggnaaaaaat aatgaataa aaatttttna aaaaaataag gngggaaggg gctcncnttt 180
 ntntttntn aaaaaaaaa atgtgtaaga ggctggatnc gaatttggat gcaggatgtc 240
 tgnctaccn cctcaagcga cgtgagcaac taggttcttg cagnccctgg gnccccaang 300
 ggaaaggtgg ctggaagcgc agcaaacatc cctgccccag tttccatggg ctgcttgccg 360
 ctctccaaac accaccgct cctcttggt ccccggttg taggcaaccg cctagnccgc 420
 cgggctgggt cagaccagga cccccccn 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

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tggagactct gaccatctgg ccagtcacaca anacatctga agtggttagtg cccaatgctg      60
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tcccagcctg gccataaccc cagctccaga gtgagatgat gctaggccca gtagtgaggat      180
gagaataaac ttggatgtgt acacagatat ctatgtgtac agggggccaag ggcagacagc      240
cccaagattg gtcacttttg cataaagatc attttgtgtt aaaagcatta aaacctgagc      300
aaattcagaa gctttctctc caaaaataa ctatgttgat aggaatctag caagggctct      360
ttgatccatc tcttgtcttg tttctgaatg gcccaaagac catttgttta ccgagtattt      420
actctttcat cttcctttta attgcattct ttcctataaa attcctagac ctctctcagt      480
tcagtatatg tatgccttat ttgcctgtc tttag                                     515

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<210> 10185

<211> 491

<212> DNA

<213> Canis familiaris

<400> 10185

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ggtaggagacc acagcatggc tattggaagc atctctggcc atgccagggt ccaccagat      60
ctctgtgtca tttgggtgga tgctcacact gatatcaaca ctccactgac aaccacaagt      120
gggaacttgc acggacaacc tgtgtctttc ctctgaagg aactaaaagg aaagggcata      180
gagttatact ctttattaat tgtaggatta tcttactatc tcctctttca tagctacatt      240
ttgaaaactc tgggtattaa atatctttca atgactgaag tggataaact gggaattggc      300
aaggtgatgg aagaagcact cagctatcta ctaggaagaa aaaaaagacc aattcatctg      360
agctttgatg ttgatggatt ggacccatcc ttcacaccag ctacgggcac accagtcacg      420
ggaggtctgt cttacagaga aggtctctac attacagaag aaatttaca aacagggcta      480
ctctcaggat t                                                         491

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<210> 10186

<211> 75

<212> DNA

<213> Canis familiaris

<400> 10186

aagttgtgaa cccaatggaa gtataattgg gaaataggct gttggctaata tgcattgtgct 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
 ggagtattgtg gggggcatca gcatgctaata cgtgggtcccg cacaagctgt ctgggatgaa 180
 gacacttgag gcacagctga caccacaggt 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 gcagccatt gcctggagag atcctcgagg cctgcatcat ataaggatcat 60
 cctgggtgca cataaagaag tcaatcttga atcagatgtt caggagatag aggtgtacaa 120
 gctgttcttg gagccacac gtgcagacat cgccttggtg aagctgagca gccctgctgt 180
 natcacctca aaggtaatcc cagcttgtct gccaccccca aattatgtgg ttgctgaccg 240
 gacattatgt tacatcactg gctggggaga aaccaaggc acgtatggtg cggggctcct 300
 caaggaagcc cagctgcctg tgattgagaa caaagtgtgt aatcgctatg agtatctgaa 360
 tggaagagtc aaatcgacag agctttgcgc ggggaatttg gctggaggca cagacagttg 420
 tcagggtgac agtggaggac ctctgggttg cttcgagaag gacaagtaca ttttacaagg 480
 agtcacttct tggggctctg gctgtgcccg tcccaata 518

<210> 10189
 <211> 85
 <212> DNA
 <213> Canis familiaris

<400> 10189
 gctgcaatca ttgagaggag ggctcttgag attattctgg cccggcccct tctctctgtt 60
 ttcttcacaa 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
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 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 cctcgggcc caactcatgt tctgccaatg gtcccggctt atatctcatc 360
 catggctccg atttgtactg ctacagtgat gtggagaaac tgagcacagc caagtccttt 420
 ccacagcccc agagagtga ggcctcctg ggctgcaa 458

<210> 10191
 <211> 543
 <212> DNA
 <213> Canis familiaris

<400> 10191
 gttaaactcag 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 tggatcatcta tgacaccaca 120
 ccgacatgag aagaccccag aacacttccc ggaggctggc ctgacgatga actactgcag 180
 gaaccccgac gccgacaaaa gcccttggtg ttacaccacc gaccctctg tgcgctggga 240
 gttctgtaac t 251

<210> 10193
 <211> 478
 <212> DNA
 <213> Canis familiaris

<400> 10193
 gagaagggtca actccatgga ctttggagaa tttgtggatg tgtttgggaa cgtcattgag 60
 agatgtcctc tgatcgcggc tgctgtttgg tcccagcgtc cattctccaa cttggaagat 120
 ttagagaagc atttttttga cttcattgat gcccttcccc agtcaggccg agagggcatc 180
 ctgcgctgcc acccgacact ggcggggccg gagctgcagc agggcacgct cagcgccgag 240
 tctcggcggg agcagagcgg cgcgggcctg gcgagcctgg acgcggacga gcggtccgg 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 cgccacagt atgtacgcta tatcaaaaag 60

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ggaggggatga tcatcatgct tttgttaagt gtggccataa cagcactgtc tgtcatcaac 120
gtgggcaaga gtatcaggtt tgtcatgaca ccacacttgc tggccacctc ctctctaattg 180
cctttcatcg gcttcctgct gggctacatc ctctctgtc tcttccgcct cgacggacgg 240
tgcagccgca ctgtcagtat ggaaaccgga tgccaaaatg ttcagctttg ttccaccatt 300
ctcaatgtga cattcccccc tgaagtcatt ggaccacttt tcttcttccc tctcctctac 360
atgattttcc agcttgggga aggggttttc ctgatctcca tctttcggtg 410

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<210> 10195
<211> 399
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

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<400> 10195
ctgcaaggcc ttagttcacc aacctctttc tgtttctcaa gccattctcc aaataagata 60
tattacagag gggtaggcgc ctgcctctta aatgncaatc tcccctaaca gtcttgctc 120
cctgacaggc cacctccgag attacgngc tcccgaattc tgcacatatt taaaatngct 180
ctggacatta cctcacatgg ctaattgcac ccagtgttga gttactataa attctgagac 240
tatcacagtt ccaaattctc tgaaagccac acgnttcact cagatttaat gattctgaac 300
acagaggctt cctgagtatt ccttgccggac cttttgcatt taagcaactc ctgagactaa 360
tgccatttac attttaaac ctgtgcgatt agactttgt 399

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<210> 10196

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<211> 512
 <212> DNA
 <213> Canis familiaris

<400> 10196
 aggagctgca ccgtagcgtg gtcccgacg cgcgccag ccccgcgcg ctcagccgct 60
 gcgtgcagat gctgtcgcgc aagctcacgc tcaaggccga ggctctgcac gcgcgcatcc 120
 agcagaacct ggaccagctg cgggaagagc tcagcgcttt tgcgggcgcc ggtgctgacg 180
 gcgcggatga gggggcgga cccgaccccc agatgctgtc ccaggagggtg caccagcgac 240
 tccaggcctt cgcgcacgac accttcctgc agatcgccga cttcacccgt gccatcgacc 300
 aggagaccca ggagggtccag ttgcagctgg ccccgccccc gccagggtcac agtgccttcg 360
 ccccagagtt tctccaagct gacagcagcg agggccggag caagctgcag gcccgctctc 420
 aagacctatg ggaggacata aactacagcc ttcattgacct tggctctcagt catctagagg 480
 agccctgagg gtctacttgt ccagggtcac tg 512

<210> 10197
 <211> 141
 <212> DNA
 <213> Canis familiaris

<400> 10197
 agtgagggtct 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 aggaaatggt ctgttcaaag gtggcaaaac ctggcaggat 60
 tgtgactaca aagaatctac ncaagctgcc acgggagaat gctccgcgcc cgtggggaag 120
 agagggaaaa cgaagtcttc cgtggctacg cagacctgcc aaatcactcc cgccgagggt 180
 cctgtggtga cagcccagta tgactgcctt ggctgtgtgc accccatctc aggaggcagg 240

ggcagagcca gagccagcac ctgagagtga ggtctcttga ccagtgggca gaatcgtcac 300
gcctgacaca gtagctccaa caacctctat catcaggccc cgcattggaag 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 tgtaaacaca ttacttcac 120
ctataactca catgcaaaag aaaactgatt atgattatga ttttctatgc aaaagaaaac 180
tgattatgcc cattttacag gtggcaaadc ttaaataatt cccaaggaat ctacaacaat 240
gaccaa 247

<210> 10200
<211> 286
<212> DNA
<213> Canis familiaris

<400> 10200
tccaggctcc caggatttgt 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
aaccaggtag cttagcatcc ctgaggcttg 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 cccagggttg ccaggagacc gtggtgactg 60
 gctgggggcta ccgcagtgag actaaaagaa nccgcacctt tgtcctcaac tttatcaaca 120
 tccctgtggc cccgcacaac gagtgcattc aggccatgta caacatgata tctgagaaca 180
 tgctgtgtgc gggcatcctt ggggactcac gggatgcctg tgaggggggac agtggggggc 240
 ctatggttac gtccttccgt ggcacctggt tcctgggtggg cctgggtgagc tggggcgagg 300
 gctgtgggcg cctccacaat tatggcattt aactaaagt 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 ctgccc aaag 120
 aaatcacagg cttcaccagg gtgtggatgt cttgtgttct gatggatcta ctgtgtatgc 180
 acctttcacc ggaatgattg tgggccagga gaagccttat aaaaacaaaa atgccattaa 240
 taatggtgtt cggatatctg gaagagggtt 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 aatatttttag cagttcctgt atgataactc	120
tccccactga agctgctcag gatcctcaag tggcccaaag cctctggaat gcctcagtc	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 tgcattggcca gtcaanaatt cctgaatcgc ttaacaactc tcccacctgc	60
tgccctgaggc atcatgagaa agttttgccca aagaaactgg tggcgggata cagaaaggcc	120
ctcaactgct acctgccggc aatcatcttt gtcacaaaaa agaaccgaga catctgctcc	180
aaccctcaag acaaattgggt 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
tttaaaatct 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 taaataaaaac tccacatttc cggccatcta tcaatttaac tcattaaaat 60
 ggaatcacag ataaatcaat tcagt 85

<210> 10208
 <211> 311
 <212> DNA
 <213> Canis familiaris

<400> 10208
 tttggcccag gaacatagcc gccattttgt ccaagtctgg gtatgggtgg gggccttggt 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 cccaagacc 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 atcgtccac 420
 tcggtgtgcc ccacatgacg tcccagaca 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 cggcggaag aataaatgat nctgatgcct catctggaat 180

ggttactttc tttggaaacc caagttatat aaacaatctt gcataaagtt taaacaaagt 240

ttagcttcaa gggaggagtg tgtttacta ttctaaactg aacagtttaa aaaactatat 300

tatgtaacag tattcaaata ttggtgtaac taaaaatttc ccgattgtat ctttgat 357

<210> 10211

<211> 273

<212> DNA

<213> Canis familiaris

<400> 10211

gtaaaaatct cacagctaatt gtcataatta gctaattctaa taatttactt aagcttacag 60

ttatcctccc aaagatttgg tctttctgaa aaatgttctg ctttgtaaag tattagtata 120

attaatatga gctaccaatt ccctcttggg gtgaaattca agacttgga atcctaactt 180

ttgtgtaatt aaaaagacac ataggggtggg 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 agtttinnacn ntacantccn ntttatncct agaaaaggaa 60

gaaagaagga aagaaataag gaagcaagca ggcaatctaa ggataggggc cagagcctgg 120

ggagcagatg gacgatggac ataagggctt gcaaagttagt cacataggaa accccagcat 180

tcttgcaatc cttatgtgca atgaaaaatc cttaaaataa atacacctcc aaatctctga 240

ataattggat aagnacntcn ttagaattaa aaaaagtttc atttanttca gacctgggaa 300

ttccatgttg atcctatgcc tgccatcattt attcacacat atgcctccac ggaatttgag 360

ttggcagcag gaagtatfff ttttatfftc 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 aaagcattt cccttcacc ggagacaaat 60

cggatatgtt taccgactcc ctccactaaa gaaagatgaa gttcttcctc ttcccgaagc 120
 caatttcccc agctttctcat tgccagacca cagccatcct ctaaagccag agatccagcc 180
 cttccctgaa tcagtttctg aatcatgtcc aggggtatit aagaatgact ttcaaatat 240
 ctcaaaa 247

<210> 10214
 <211> 128
 <212> DNA
 <213> Canis familiaris

<400> 10214
 gggatattaa taagcacggt gtcgaggaaa cggcagccga atgcagaaaa ctgggagcca 60
 ctgtgcatac atttgtggtg gactgcggtg accggaaga 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 ttgcccctgc tgcagaggga 120
 cagctgggag accttcttct cagaagacaa gtactaccga gtcaaccttc gcacacggcg 180
 agtggacact gtgagccctc cttaccacg ctccatcgcc cagtactggc taggctgctc 240
 agccccagc cccagtagg 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 cgaggcgca gagcagaaga 180


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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

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<210> 10217
<211> 218
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

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<400> 10217
tgctgcgagc tctagcaggt caatttgac ccccatgcc cagacactgt gagcccgcca 60
tttcaactgc ttgccacttc cctggggcca cagtgatctc atctaaacag tgaatnctga 120
ccctgaattg gacatgtgga aggatgaaag tgctgtttaa ctgggaatgg aatcaatgca 180
taaggctttt tttgaaagta ctgtagcaaa tcagtcta 218

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<210> 10218
<211> 333
<212> DNA
<213> Canis familiaris

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<400> 10218
agacctatct cttcaagggt agtcagtact ggcgcttcga ggatggtgtt ctggaccag 60
attacccccg caacatctct gaaggcttca agggcattcc ggacaacgtg gacgcagcct 120
ttgctctccc tgctcgagc tacagtggcc gggagcgggt ctacttcttc aaggggagac 180
agtactggga gtatgagttc cagcagcagc ccagtcagga ggagtgtgag ggcagctccc 240
tgtccaccgt gtttgaacac tttgccctgc tgcagaggga cagctgggag accttcttct 300
cagaagacaa gtactaccga gtcaaccttc gca 333

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<210> 10219
<211> 488
<212> DNA
<213> Canis familiaris

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<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 acatcgtaa ctacgtcatg gaccacttcg 180
 acatcgagat cacgggcggc cttggggcct ccgtggggna ggtgcttcgg atcggcctgc 240
 tgggctgtaa cgccaccga gagaacgtgg accgcgtgac ccacgccctg caggaggccc 300
 tgcggcactg cccccggcac aagctgtgac ctggccgcct gctgctcccc gacctggagg 360
 ggccgagagc aaaggaccct gccagcgggg ggccgggggag 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 ccctggctgc agaccacaag 240
 tgcagcagcc ctgaggtgta cggagcagac attagcccca acatgctgtg tgcaggttac 300
 ttcgactgca agtctgatgc ctgccagggg gactcaggcg ggcccctggc ctgtgagaag 360
 aacggcgtgg cctacctata cggcatcatc agttgggggtg 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 ttccaattta 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 gggctctctag gagggacta 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 cactagtga 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 aagggtgttca agatgtcctt gagatactaa aggaagaatt	60
ccgattggcc atggctttga gtgggtgccga gaatgtgaaa gtcacgcaca agacattggt	120
gaggaaaaat cctttggccg tttccaagat ctgacagtgc acaatatattt cccatctgta	180
ttatTTTTTT tgggcatgta ttacttgaca aagagacact gtgcagagag tgaccacagt	240
ctgcaatccc ccacttcaac acaaagggtg tcgttcttct ccaacaaaat agcaatccct	300
ttgagctcat tgcttttgac ttttcaatgg gtgtcctagg aaccttttag aaagaaatgg	360
acttgcattc tggaatatata ttaactgtta aaaagaaaac attgaaaatg tgttttagaca	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 aacgcccattg	120
gacatttttg tgtgcgctta cttcatgccga gctgtcctaa 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 gccattgtc ctgtttccaa ttcgtacatc 60
 agtgaccaca ctcttatttc caaaagacc cttcagttgg ataagacatt tcttaattgc 120
 agccatactt cttgcactca ataatgttct ggtcatcctt gtgccaaacta taaaatacat 180
 ctttggaattc ataggggctt cttctgccac tatgctgac ttcattcttc cagcagtggt 240
 ttatcttaaa cttgtcaaga aagaaccttt caggtcacca cagaagggtg gggctttaat 300
 tttccttggtg gttggaatca tcttcattgat tggaagcatg gctctcatta taattgactg 360
 gatttacaat cccccaaatt ccaagcatca ctaaccaag 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 aagggtgttt 60
 gtgattagtc attataacat gctttttgga tacagtttac ttcacaaatg ctaagcagta 120

ttagaatagt cataaatcaa tatttctttt tagttgtctt gcaccttcct gtcttagaga 180
 ggtttttagaa tcaatttact aagaaaataa tcatgaatta atggacgtgt cgtatcaatt 240
 aatttgtgca caaatTTaag tgcaagcatt gttttcaacc tactaatgct caaactttgc 300
 ttctgggcaa tgcagaaaat gtaatgacaa aatcatattt taaaaactat caccaggggt 360
 gcttgggtgg ctcanntnnn nnnnnnnnn ntntggnnnn ggncngatc 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 atttgagggt tatttgagct tttaaaggag 60
 aaggcaccag tattagaagt ncttgagggg aaagaaattn ccaggatttt ctactaaga 120
 taatcagtaa tccagcctca tcctgcagtg cacagaaaga gagccaaagc agcacggcctt 180
 tcagaagctg catgcnctg aggtgcaata aaaggagtgt ctttttttc ttacaaagtt 240
 gctataagaa ccatttctca ctctcagttt cagtatttca tattccattc acaggtgata 300
 gaaactttta ttcaacttaa ctgttctatt actaagtaag atggatgccc ctttaatact 360
 cttttcagaa ctttattgcc aactaaact 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 ggctcgcgat gagctcttcc tgttcttgtc 180
cgccattttg cagcacttta acctgaagtc tctcgtcgcac 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 ggccttctc 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 ctcttcagt gacaaggcca agagtaagat ctacgctcgg 120
aagacgaagc ccgtctcctt ctacctggac atgaagtggc tggccaacat ctggggctgc 180
gacgaccagc ccagtgtgta tcatcacacc accccgggtca 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
tattttctaca acggctcctc catggcctgt gagaccttcc agtacggcgg ctgcctgggc 360
aacgggaaca acttcgcctc cgagaaggag tgtctgcaga cctgccgcac cgtggcggcc 420
tgcagcctcc ccatcgctcc cggcccctgc cgaatgcacc acagcctctg ggcctacgac 480
gccgtccagg gcaggtgcgt ccgcttcgtg tacgggggct gccaaaggcaa cggcaacaag 540
ttctactcgg aga 553

<210> 10233
<211> 411
<212> DNA
<213> Canis familiaris

<400> 10233
aaagtcaatg tccagtttct ccgttcgaac attgggattg tttcccagga accagtgttg 60
tttgcttgta gcataatgga caatatcaag tatggagaca acaccagaga aattcccatg 120
gaaaaagtca tagaagccgc aaagcaagca cagctgcatg actttgtcat gtcactccca 180
gagaaatatg aaactaatgt tgggtcccaa ggggtctcaac 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
 gccaggggacg tttgactggt cccagtggt gaaatatgtg tgtgagcttg agggggacag 120
 ggacaagtgg gctgagaagg aggagcggct aaggagaact gtccgccggg tactcaagtg 180
 tgacgttggg aaagaacggc ccctggaacc cgcagtcctg cccctggcgg actgcctcct 240
 ttctctctta tgtcttgagt ccgcctgcgg caccctggag gccttccgag acgccctgcg 300
 ccacctcagg cccctgctcc ggcccagggg ccactctggtg ctgaccggga gctttgactg 360
 caccttctac atggtgggag actcgagatt cactgtactg ccactgaagg agaaggctcct 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 gcccttggtt tcagatcgta gctttgccca gttttcccag 120
 gaaattggcc ttgcttctct tgggtgcacct gatgagtata ttgagaaact cgccacaatt 180
 tactggttta ctgtggaatt tggcctctgc aaacaaggag actccataaa agcatatggt 240
 gctggactcc tatcatcttt tgggtgaatta cagtactgct tgtctgacaa gccaaagctt 300
 ctccccctgg agctggagaa gacagccatc caggagtaca ctgtcacaga gttccagccc 360
 ctgtattacg tggctgagag ttttaatgat gcaaaggaga aagtaaggaa ttttgctgct 420

accatccac gccctttctc agttcgttat gaccataca 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 tagagtcctt caccatctcc 240
taatttaggc atttggggac tgctcacctt ctgagctcat tccccacctg catcttcgcc 300
cctgctgaga ctgcagcccc atcccatgaa atgaaaagaa cagaggtttt ggcgtcggaa 360
gacatggact ttggtacttg gctcttagct tagttgctct tgtgatgtca ggtgtgttgt 420
taataccaca gagccttggtg tccccatctc tgaaatggaa ataataacct 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
 tagccctgct ggcattgggtt gttctggctg accaagaatc atgcaagggc cgctgcacag 60
 agggcttcaa tgctgacagg aagtgtcagt gtgacgagct ctgctcttac taccagagct 120
 gctgcgagga ctacgtggcc gagggtgaaac cccaagtac 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 ggggtgtatgg ccctgcgtac ttcgtggaat 60
 acttaataaa agagtcacca tgtaccaaatt ccaggtcag cagctgtgca cttcagcccc 120

ctgactctga gcctgttggt atttgcaaag gttctctggg tcaaagagaa ttagaaaagt 180
 tcgtctccgt gacttgtcac ttctttgaac cacagggtcc tgcacctgga ga 232

<210> 10240
 <211> 216
 <212> DNA
 <213> Canis familiaris

<400> 10240
 aattagccag cttaccaaca tgggaccac ggaacttctg attgaaatgg aggactggaa 60
 aggcgacaag gtgaaggccc tctatggagg attcactatg cagaatgagg ccaacaaata 120
 ccaactctca gtgagcaaata 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
 ggggtgtggg aaacaccacc attttggcca tc 212

<210> 10242
 <211> 573
 <212> DNA
 <213> Canis familiaris

<400> 10242
 cctgctttct gcttatgggt cataggccat aatcgaatgt ggagaaagaa ccggtcctat 60
 catgaaaata atcgttgcat cggaacagac ctgaacagga actttgcttc caaacactgg 120
 tgtgaggaag gtgcatcaag tctctcatgc tctgaaacct actgcggtcc ttaccctgag 180
 tcagaaccgg aagtgaaggc aatggctaata 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 caaaccact 540
 tgtgcagaag ctctcgagc 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 gatctgggtg 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 ggatctgggt ggtggatgaa caagtgtcat 360
 gctggccacc tcaatggagt tta 383

<210> 10245
 <211> 448
 <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> (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

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<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> (212)..(212)
<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> 10245

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cntttgancc ncanggnctc tgcacctngn agaggaaaat gcttctgcta gccagggacc	120
tgtggacctc cctgggggtg gagagttcca gcagaaaaac ncagctccta ccaactcacc	180
ctccaaagct gtgcctaagg gatctgtcca anatctccct gacttngatg atgagaagaa	240
gcctgagggg gctcaggaaa acagccctgt cgaggccttc cctgtgaagc tagatctcac	300
cacagatcct cagggagaaa gcctggatgt ttccttcctt ttcctgggac ctatggagcg	360
gaagctgggt gttctgcctt tccccaacaa agaacaacgc tctgctgagt gcccaggacc	420
agcgcagcag ggcaaccttc ttattctc	448

<210> 10246
 <211> 389
 <212> DNA
 <213> Canis familiaris

<400> 10246	
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cttctacccc gagcacttcc tggacgccc gggccacttc gtcaagcatg aggccttcat	120
gcccttctct gcaggccgcc gcgtctgcct cggggagccc ctggcccgcg tggagctctt	180
cctcttcttc acctgcctcc tgcagcgctt cagcttttca gtgcctgcgg ggcagccccg	240
gcccagcgac cacgggggtct tcaccttctt gaaggttcca gcccccttcc agctctgtgt	300
ggagcctcgc taggggcagg aaccaccacc ccccgccgcc cggctcctca gcaggggccc	360
gaggtacaat aaaccagttt ggtggctcc	389

<210> 10247
 <211> 140
 <212> DNA
 <213> Canis familiaris

<400> 10247	
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gtgctcggaa ggggaagtat gggatctaca ccaaggtcac caacttcctc aagtggatcg	120
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<210> 10248
 <211> 355
 <212> DNA
 <213> Canis familiaris

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

<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

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<223> n is a, c, g, or t

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<222> (120)..(121)
<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> (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

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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

<220>
<221> misc_feature

<222> (260)..(260)
 <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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 <223> n is a, c, g, or t

<220>
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 <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
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 gtttctgccca gcaaggagtt atgatgcaaa gttcccnccc ctgtgaagaa acnactcctn 120
 ncaacttngn ttctgagatc aacatctgct ctcaagggat ttattgcctg ttttaagagtc 180
 agaaatatgt catgcccaana gaaaaactgg caaantaaaa ttaaattnaa ataaaactct 240
 angggaattt acagaaactn attattctaa ntgnaaagtn atccccctcc aaaanttact 300
 gagcttacct gtgtttccaa cattggggcat gaatatcaga acattaagta ggcta 355

<210> 10249
 <211> 111
 <212> DNA
 <213> Canis familiaris

<400> 10249
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 tttccagggg aagattttgt acaaccacct tccaggattt gccttggtg c 111

<210> 10250
 <211> 107
 <212> DNA
 <213> Canis familiaris

<400> 10250
 ccttgggtcat ggaggtcaac gggaacttga ctttgatctt gaacaccaaa ggagacatgg 60
 ccttggccat ggacatcaaa ggggacatgg cttagcccat ggacata 107

<210> 10251
 <211> 565
 <212> DNA
 <213> Canis familiaris

<400> 10251
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 ccaaaggaga catggccttg gccatggaca tcaaagggga catggcttag cccatggaca 120
 taaatatgag catgggtcatg gccatgaaaa atataaaaaat aaaagaaaag acaatggaaa 180
 gaacaatggt cggaaaacag agaatttggc aggttctcct gaagatagta ctacctcttc 240
 tgcacagaca caagagaaga cacaagggcc aacaaccctc ccttccttag ccagccagg 300
 tattgcagtt accatgcctg actttcagga ctcagatctc tttgcagctg tgatgcctaa 360
 cataccacca actgccacag agagtgatga tgattggatc cctgacatcc agataaagcc 420
 aaacagcctt tcatttaacc tgatatctga cttcccagaa caaacctccc ccaaattgtc 480
 tggacgcccc tggaagccag ttcattggaat gaatccaact gtggaagtga aagaatttca 540
 tgatttcgat ctctctgatg ctttg 565

<210> 10252
 <211> 484
 <212> DNA
 <213> Canis familiaris

<400> 10252
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 cagtagtgat ggcattcattg atgatgttat ttactgata agaggaggaa cccaaaaata 180
 tgcatatgaa ctgaaagaga agcttctcaa aggagccaag acaattgata taactgactt 240
 tacaaattgg gccacttcct taaatgatgc tccagtgtc 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

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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 ggcgagctga aaataaagag ggctgctttt ctgaagaggg tccaaaactc	360
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<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 agctaattctc agagaggtgg aggaatttaa	240
ccagccccgt ggatgcggcc ttccgccgtg gtcacaacag tgtcttntctg 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

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<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

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gccacaata atgataatac atatagccaa gtgtcagaag atctgagaag caaaattgag 120

atcctgaggc gcaaagtcct agaacaagta caacacatcc accttctaca gaaaaatgtc 180

agggatcagc tggtagatat gaaacgacta gaggtggaca ttgatattaa gatccgatct 240

tgccaagggg catgcagtan ggcttttagag cgtangacag atctaaagta ctatgaagat 300

caacagaagc aacttgnaca agtcattgcc aanacttac 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
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 tttcagccgt gggaaggcgc tatgaaacag gtgtggacga caccgtcact gtgctcctcc 120
 agtaccacagg agggatccat ggcagcttta cctgcagcat ctctgctcag ctctctaata 180
 tggcctttgt gagcggatcc aagggcatag gccagatcct tgacccttgc tggtgcccaa 240
 cggagctggt gttgaaggga gagcataagg agttccact gcccccgcc ccaagcaagg 300
 agttcaattt tacaaatgga gcaggcatgg cttatgagga caagcatgtc cgggagtgcc 360
 tgcgaaaggg cctgaaggaa agtcctgtga ttcccctggc agaaagtga ctcctggctg 420
 acatcc 426

<210> 10258
 <211> 138
 <212> DNA
 <213> Canis familiaris

<400> 10258
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 gaagcagtga ttggccacaa aaccagaatg aatgaataa 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
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 aaggagatcc tgggaacccc aaagtcttcc aagccactga caatggagaa gagccccacc 120
 agcgaagtgg tggtcaccac agtccccttg gtcagtgaga ttcagttgac ggctgctaca 180
 ggggggtgctg agctctcctg tnaccgctgc atcatcccct tcgccgtggt ggtcctcatc 240

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gctgggatag tagtcaactgc tgtggccttac agcttcaatt cccacggctc catcatctcc 300
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tggaaggtga ggcagaggag caagaaagcc aagagacggg agagtcagac ggctcttgtg 420
gcaaatacaga gaagcttgtt tgcttaagac tgaatgagac caaatgggat atgtggcctg 480
aaaatctccc tctcaactgtg tcgtccaatt caccagaac tagggntggg agagaatgaa 540
cagtgcattg cagcagacca gagggat 567

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<210> 10260
<211> 530
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

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<400> 10260
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cgagagggggc cccccaggac ttccagcttc tttagatgaa gagctccaaa ccacactcca 120
cgacctcaga catcaaattc tgcagaccat gggagtcctc agcttgcacg agtccctgct 180
gggtggtggga aggaaggtct tctccagcaa tgggnagtcc attaatttca acgacattca 240
agagttatgt gccggggcag gcggccaaat tgctgccccg atgagcccag aagagaatga 300
agccattgca agcattgtga agaagtataa cacttacgcc tacctggggc tgggtggagag 360
ccccgactct ggagacttcc agtacatgga tggggcccct gtgaattaca ccaactggta 420
ccccggggag cccagaggtc ggggcaaaga gcagtgtgtg gagatgtaca cagatgggca 480
gtggaataac aaaaactgcc tgcagtaccg actggccatc tgtgagtttt 530

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<210> 10261
<211> 553
<212> DNA
<213> Canis familiaris

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<400> 10261
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tagcttcagc cctggccttc cccggcgctg agccctacat gcggccccc tccagctcaa 120
cgtctgggag tctgtgcctc tggaagtcca agtgatggta gagccagggtg gaatgctagc 180
tcctggtggt actgtgacct tgacctgtga aactcctgcc caatcctctg ttcaaatcct 240

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ctctgaggtg aagcctgagg accaaggaac ctacagctgt gtggccatgc atcccagcca 300
 cgggtcccag gaaagccgtg gtgtcagtgt cgtcattgaa actgacaaag aggggccaac 360
 cacaggctat gtggaagggc aggggctggg aactgtcgcc ctggccctgg ggatcctagg 420
 aggctgggg 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
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 tcccctgctt cccttcgtcc ctcaaagccc tgctcatcat cgtagtagtg atagtccttg 120
 tggtcgtggt gattgtcggc gctctgctaa tgggtcttca catgagccag aaacacactg 180
 agatggtcct agagatgagc atgggggggc cagaagccca gcagcgctg gccctgcagg 240
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 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
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 cagccttatg agctatgact ttcacggagc ctggcgtcag accaccggac accacagccc 120
 cctgttccga ggccagatgg atgcaagtgc tgaccgattc aacaatgctg actatgccgt 180
 gagctacatg ctgaggctgg gggctccagc caataagctg ctgatgggca tccccacctt 240
 tggaaggagc ttactctgg cctcctctga gaccgggtgtg ggtgccccca tctcagggcc 300
 gggattatca ggccagttca ccaagg 326

<210> 10264
 <211> 522
 <212> DNA
 <213> Canis familiaris

<220>
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 <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>
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 <223> n is a, c, g, or t

<220>
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 <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
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 atctcctgac ctaaaagcag ccagtctaca ccctagggaa gatctcacc ccancctcag 180
 acataatcca agtaatttcc tgctgataga catgtcccca caccaatccg gatctcagtg 240
 aggtgttcac atccctcacc ccaccactgn ctgtttactg agcacgtaaa tagcgtaagt 300
 gcccgaattc tatgtacgca gaaccttgcc aacactccta atacatttta tggaatatga 360
 ttcatcttta cacaatgcca tgggcccagc ctgattttcc ccattcttat gtgaggaccc 420
 aaacttaaag aagttaaag ttttgaattt tattccttgg agcaagtggc agaggctgtg 480
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<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
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 gggcagagcg cgggacacna gctcagcaac cccttcggat tcgtgaaaat gctcgaatggc 120
 cccagcccca cacggaggtg ccttcgaccc cctccccagg cgtccttgcc aaagaaggcc 180
 atttggccag tgctgcccc a gcagccaag cacgtccac gaagcagccg ccgcacgaat 240
 cgccctctca gggcccaact tgaaaccctg cggccaggaa catgaccatg tcccaccact 300
 tccccttcct aattccgcag ccgcgggtca 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 ctaaagtca 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
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 caggtgtgcc acgtcgtacc cctgggtgggtg ggcggcatct gccagtgtct ggccgagcgc 180
 tacactgtcc tgctcctgga tgcgctgctg ggccgcatgc tgccccagct ggtctgcggc 240
 ctgctcctcc ggtgctccca cgaggacagc gctgggccag ttttctctct attcctcnca 300
 gctctggcgt ctctgcccag tgaatggtca cccaagagt ccaagtgcc a gctctgcatg 360
 tttgtaacca ccagggcagg gaaccacagt gagcaggcca caccacaggc aatacgccag 420
 gcctgcctca gctcctggct ggacagacag aagtgcgagc agtttgtgga gcagcacatg 480
 cctnagctgc agaccctagc atccgggggc agggatgcc acaccacctg ccaggccctg 540
 ggggcgtgta ggaccacgtt cagtcctctc cagtgtatcc acattcctca cttctga 597

<210> 10269
 <211> 202
 <212> DNA
 <213> Canis familiaris

<400> 10269
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 accgggagaa gttccccgcc tggcagaaca gcatccgcca caacctctcg ctcaacgact 120
 gcttcgtcaa gatccccgc gagccgggca acccgggcaa gggcaactac tggacgctgg 180
 accccgagtc ggccgacatg tt 202

<210> 10270
 <211> 106
 <212> DNA
 <213> Canis familiaris

<400> 10270
gcagcagttg ctgagatcca gccttctcca ggccttgcac tgcggcgacg ggtatgggaa 60
cctcttcacc actaactcca tctgcaaggc tcaataaaga caaaat 106

<210> 10271
<211> 310
<212> DNA
<213> Canis familiaris

<400> 10271
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tgtagatatt agatttaacc cagctacagc aggcctatat taatttcaat tctaccttgg 120
aatgtggtga catatataaa aattctagca attattctgt ggtaaanaac attgtatagg 180
ctctgagtta gtagttgttt gagttaagct attttctgat aaaagtttaa agatatctgg 240
tggttagttg cttgaatttc tctgaataaa tggcctaaca aggtaagatg gttgaaccta 300
tggaaccta 310

<210> 10272
<211> 276
<212> DNA
<213> Canis familiaris

<400> 10272
cctctgctgt ctgccatgaa gggaagcagc accctcctgc tgggtggccct ctccttgctc 60
tgctcctgcg ggctggcctc tgacgaggac agcagtgagt ttttcatgga cttcctgcaa 120
acgctgctgg tgggggtcccc 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 gtagcccggt tgtaaaaaa aaaaaagtct tctatgtggc tacagagttt 60
tgagtctatt ttacgaatat ctacgcctaa caaatttgta atgtcctcat gaataatgtg 120
catttagttt ctttattata gagtaacctc cttacatatg attaggtatt caaactcttc 180
tagtaaaaca ggtttctact agtatcttcc ctgagctaga ggcgggtctta gagcgtaagg 240

taatataatt tatccctttt cattgcgatt taatattata aatatcaaatt 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 taaggatgaac ggatgtaaca agatctataa tcctatctgc gggagtgatg 60

gaattaccta tgctaataa 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 tctgggcca gcctgtgttg gccatggggc cgacatgggc 120

accccgccg gagggggaca gggcgccct cacagtcattg ctgggtgatg tgtggagccg 180

ccgcaacccc cgagtgagg tcaacttctt tggcctctc accttccatg caccattcct 240

gccctgggcg ctcatgggtt tctcactgct gctgggcaac tcgattctcg tggacctgct 300

ggggattgcy gtgggccaca ttactactt cctagaggat gtcttcccca accagcctgg 360

aggcaagagg ctgctgctga ccccccgtt cctgtgagtg ctagagatga ctccccttac 420

cctccctcag atggctcct gcccgggacc gttgctggcc tcagctcagt gcaggcccct 480

ccctacagga agctgctact ggatgcccc 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 ggggggttccc tcatcagcca gtcctgggtg 60
 gtcactgctg cccactgcaa tgtcatccct ggccgtcacg ttgttgcctt gggagagtac 120
 gaccgatcat ccaatgctga gcctttgcag gttctgtcca tctcaaaggc catcacgtac 180
 ccttcctgga accccaccac cttaaacaat gacctgacgc tactgaagct cgcctcccca 240
 gcccggtaca ctcaacgcat ctcaccagtc tgcctggctt cccagatga 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 ttcttgaac 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 ttntgggtcta caggcaatgt gacccagca cgtctacagc 420
 aggtggctct gcctctggtc accgtgaatg agtgcaggca gtact 465

<210> 10279
 <211> 126

<212> DNA
 <213> Canis familiaris

<400> 10279
 ccactgcaat gtcattgtgag 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 nactgctgc 60
 ccactgcaat gtcattgtgag tactcccact ctacccgccc cctcagccca cttgtcccca 120
 cctcgttccc ctggatgccc ctcttgtaac tctgccctcc ctgtggctgc acaaccccac 180
 tctgactgca gccctggccg tcacgttggtt gtcctgggag a 221

<210> 10281
 <211> 46
 <212> DNA
 <213> Canis familiaris

<400> 10281
 agaactccga gctgctgctt actatitttta 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 attctatattt acttcacatt cacctggcga acacatcatt 180
 tgcttgaat 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 ctacaccaa atctactcat actcatgctc 300
 cggctctgag atcacctgca gcagcaaaaa caaagactgc caggccttta tctgcaactg 360
 tgaccgcagt gctgccatct gcttttcaa ggctccgtat aacaaggagc acaagaacct 420
 ggacactaag aagtactgct agaattgagt ctctctctctg 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 gccagtacg 120
 cggctgagct ccgcagatac atcaacatgc tgaccaggcc cagggtatggg 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 ggcaaagtca aatcatggac agctccatgt cctgaagaaa aggcccagta	420
cgtactgggtt tctcctgagg caagttcaag atttgggagc tctgtgatca ccgtg	475

<210> 10286

<211> 556

<212> DNA

<213> Canis familiaris

<400> 10286

atcatcggag acgtctacag caccggcctc gccatgcagg ctctctctgt gacacctgag	60
ccaccttaaca aggagtggga ctgcaagaag accatggaca cgatacttaa ggagattgag	120
caggggaagt tccacaatcc catgtccatt gcccaaatcc ttccttcctt gaaaggcaag	180
acataacctgg atgtgcccta tgtgtcctgc agccctggtc atcaagtga acccactctc	240
cccagtcaac ccagccccgt tcccacctcg gcatccaaca tcaccgtcgc gtacaccata	300
aataaccagc tgaagggggg 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 tggcgctga gggtcggaat 360
 gtgaccttcc gatgtggcca gaagatcctt cacaagaaag gcaaagtga ctggtacaag 420
 gaccaggaac ccctggagtt ctctaccct 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 ctgtcccat ccgtcatgga aaagatcct 119

<210> 10289
 <211> 422
 <212> DNA
 <213> Canis familiaris

<400> 10289
 atggaaaaga tcctcgtcct tctgctcgtt gcccttgagg tggctctacgc ggttcctgac 60
 cctcggggga tcattatcca cctggaagac ggcgagctct gtctgaacag cgtccagtgc 120
 aagagcaagt gctgccaccg ggccaccggg ctgagcctgg cccgctgcgc acccaaggcc 180
 agcgagaaca gcgagtgtc tgccaagacg ctctatgggg ttactacaa gtgtccctgt 240
 gagcggggcc tgacctgtga gggtgacaag tccatcgtgg gctccatcac caataccaac 300
 tttggtgtct gccacgatgc tgggcgctcc aagaagtaaa gccactgaag gatgctctc 360
 atccaccacc tctccctggc tggccacccc cttaaccagc acctcccttt tctgattgga 420
 tt 422

<210> 10290
 <211> 544
 <212> DNA
 <213> Canis familiaris

<400> 10290
 ctacaagtcc cgcattccaag tgagactcgg agagtacaac atcgatgtcc tggaggggaa 60

tgagcagttc atcaactccg ccaaggtcat ccgccatccc aactataaca gctggatcct	120
ggacaatgac atcatgtctca tcaagctctc ctcacctgcg gtcctcaatg cccgggtggc	180
caccatatct ctgcccaggg cctgctgcagc ccctggcacc cagtgcctca tctccggctg	240
gggcaacacc ctgagctctg gcaccaacta ccccgagctg ctgcagtgcc tggacgcccc	300
aatcctgact caggcccagt gcgaagcctc ctaccccggc cagatcacgg agaacatgat	360
ttgcgccggc ttcctcgagg gaggcaagga ctcttgccag ggtgactctg gtggcccagt	420
ggtctgcaat ggagagctcc agggaaatcgt ctcttggggc 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 agatttacc 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 tggatgatggc	60
ttccagtcac ccatcggaac tgccagttct ctctccaaat catggaaacc atcttggtgt	120
tcatagactc cgggccaggc taggtttggg gaaaggggaag 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 aagaaggcctt aaaaatgtat tttccaggag tgagtgaatt 240
tggaagggaa tcgatccttt tttattatgt agacttggtt gatgatcaga gggatgaaaa 300
gtaccgtgac gcattggatg atgttcttgg cgattacaat atcatatgcc ctgccttgga 360
aagagctaata tacacaaaag ctgaggaaat tttgagtaga tccataatga aatactgggc 420
aacttttgca aaatatggac atccagatgg aaccagaac aatagcacia gatggcctgc 480
ctttgaaaac actgacaaa aatatttaac cttgaatata 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 ctttgtgtac cactctatgc gccatcccct gttggccaat 60
tgcattctcc 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 tggtagccag tgcctcatct ctggctgggg aaatacccag 120
 agcatcgggc aaaactatcc tgatgtcctg cagtgtctga aggctcccat cctttctgac 180
 agcgtttgcc gtaatgcata cnctggccag atctccagca acatgatgtg tttgggctac 240
 atggaggggtg gaaaggactc ttgccagggg gactctgggtg ngccctgtgg tctgcnaacg 300
 gagagctcca gggcgttgtc tcctgggggtg nccggctgtg ctcnaaaaag gcaaacctgg 360
 tgtctacacc aggggtctgca 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 ttgcaaacg tggagtccat 60
 cgtcgtccac gagaagtgga actccttcct ggtgcgcaac gacattgccc tcatcaagct 120
 ggcggagcct gtgcagctga gtgacaccat caagggtggcc tgcctgccng naggcgggct 180
 ccttgctgcc tcaggactac ccttgctacg tctactggctg 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 gccctgcat gcagccccgc tggacgcggt ggcggagata 180
 gacgcgctct atgacgtcta cctggatgtc cagcacaagt gggacctgga ggacatcgtg 240
 ctcatgggcg acttcaacgc cggctgcagc tacgtggctg cctcccagtg gtcctctatc 300
 cgcttgcgca caaacccggc cttccagtggt 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 cttttttttt gaaataaatg aagatggcag 240
 tgaagctgca acagcaactg gtatgcacat ccctgcaatc atgagtctgg ctcacaatca 300
 atttatagca aaccatccat ttctgtttat tgtgaagaat aaccaacag aatcaatttt 360
 gtttatggga agggtgacaa atcctgacac ccaaagatg aagggaagag atttagattc 420
 actgtgattg aaaagaacag cctcagaatg gaagatgatt cctgaaaaat agtcgattgg 480
 caaaatatca tcattcttgc 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 cctccccag cgaccggat 420
 tacggcctcc ctccccttgc aggacattcc ctctcatgga ctgatgaaaa gcaactcaaa 480
 gaacaaaata ttatccgaac agccaaagtg tggaccccag aggaccccag aaaactcaac 540

agcaaattctt ccttcaacaa catagaaaac gaaccgcctt 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
 ccttaagggtg aacggatgta acaagatcta taatcctatc tgcgggagtg atggaattac 180
 ctatgctaataaat gaatgcttgc tatgtcttga aaataagaaa cgacaaacct ctatcttggt 240
 tgaaaaatct gggccttggt 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 gatagtgggtg 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 ttgaagggtga gaagggtgttc 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 ttgggtgctgg aagggtcagtt 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 tacctgggtgt	60
gcggggagcg cggcttcttc tacacgccta agggccgcng ggaggtggag gacctgcagg	120
tgaggggacgt ggagctggcc gggg'gcctg gcgagggcgg cctgcagccc ctggccctgg	180

agggggccct gcagaagcga ggcacgtgg agcagtgtg 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 acatgggtcac catgtccnag aatctctgta 120
 tggagctggt gtcctnctgc tacctctgtg gganggcctg ttctctgatc cacttgtgtt 180

tagcccttca gatcccatcc tatagatcna atgtgattaa ccacttcttt tgtgatctac 240
cccctctctt atctcttgct tgctctgatg tcactatgaa tgancgtgtg ctgtacatcg 300
tggccacctt caacgagctc accaccatcc tgatcatcct tacctcctat ttgctgattc 360
tcataccat cctgaggatg cgctctgcag agggaaggcg caaagccttt tccacctgtg 420
cctccacct 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 cccaacaga aattttgatg ctggttggtg 120
caaaattgga gcttctcgga acccctgtga tgaaacttac tgtggacctg ctgcagagtc 180
tgaaaaagag accaaggccc tggctaattt catccgcagc aacctctctt ccattaaagc 240
atatctgaca atccactcat actctcaa at gatgctctac cttattcct atgattataa 300
actcacagag aacaatgctg agttgaatgc cctggctaaa gctactgtaa aagaacttgc 360
caccctgcat ggcaccaagt acacatatgg cccgggagct acaacaatct atcctgctgc 420
tgggggctct gatgactggg cttatgatca aggaatcaaa tattccttta ctttgaact 480
ccgggacaaa ggcagatacg gctttgccct ccccgaaatcc cagattaggc caacctgtga 540
ggagacactg ttggccatca agcac 565

<210> 10311
<211> 57
<212> DNA
<213> Canis familiaris

<400> 10311
gcctccggag ccaggtgtac tctcgtgtcc ccaggagcct gaggggtgtcc ccgccct 57

<210> 10312
<211> 482
<212> DNA
<213> Canis familiaris

<400> 10312
gaatgttgac cattgctctt ctggccctac tctgtgcatc agcctcggcc aatgccattc 60

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aggctaggtc ctcctcatac aatggagagt atggaggtgg tggagggcag cgattctccc 120
attctggcaa ccagctggaa ggccctatca ccgccctccg tgtccgggtc aacagatact 180
acattgtagg cctccaggtg cgctatggca aggtatggag cgactacgtg ggtggcaccc 240
agggagatct ggaagagatc ttctgcacc 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

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<210> 10313
<211> 302
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<400> 10313
ggccttgatt aaagacttca ccgtgttttc caaccctgcg tgccctccct cgtgccaaagt 60
cagctccngg gtgagcattc tgggtggatga agcgggacat caggggagcc ctgggagatc 120
ctgcaagagg atgcatgcct ccctgggaac atgatacagt ctctccttcc ttgcttccct 180
tgtgtttaag cttattccca acttactgcc tgtgcttggga cctgttgtac aacctctttc 240
ctcttccaca tgaatacctg ggtctttctg atgcttggaa aggctctgtg gttcttttag 300
ga 302

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<210> 10314
<211> 573
<212> DNA
<213> Canis familiaris

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<400> 10314
tgaggcccag atgttcacag ttgactcaca gatgttctac acagtgccca ttatggcttt 60
tgcccttcgtc tgccaccctg aggtgctgcc catctacaca gagctctgcc gatggaggga 120
ggatgaggga tctccacag gggcaggcac agatggatgc tcagagggta gttcaagtca 180
tatgaccaca tggagcaggg gaggcagtac ctgggccctg actagtgtcc tacgctactc 240

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tgaccacatc cgccggggccc tgcagcagct gctcttccca agcagggact tcagctggcc 300
acggcatgtg gccatagccc tgatcctgct tgtcttggtc aacgttcttg tcatttgcgt 360
gccaaaccatc cgggatatct ttggggttat tgggtccacc tcagcccccga gcctcatctt 420
catccttctt agcatcttct acctccgcat tgtcccatct gaggtggagc ccctctactc 480
ctggcctaag atccaggctc tgtgttttgg tctcctgggg gtcctcttca tggcaatcag 540
tctaggtctt atgtttgcca actggggccac agg 573

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<210> 10315
<211> 107
<212> DNA
<213> Canis familiaris

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<400> 10315
gggtggcccaa ggctcactcc aattcctgga ctctgagggc aggccatttc tctccttagg 60
caccagctgc ccctcaccaa gtggcttaca gcttctccat gtccttg 107

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<210> 10316
<211> 473
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

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<400> 10316
ttgaaagttt cctcctctac gtctgtggct gggctgcggg ggcagtaggg tnagggtggg 60
tgggaccggn cggggtggtg angcaatcaa ttttctgtaa ttcagctagc atgactgttt 120
ccttgggctt ttctgcaagc ctctaagatt gtgtgtctct cccccaccc ccacccgcat 180

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ttcacagaac cactaaatct ggcttcgaat ttgaaaggat ctgaaggtat gcagagtcg 240
 ggctggcctc aaaccaggc aggaaagagc acagggctctg gcaaaggagg atgggattct 300
 ggactcagct tcctggaacc ccttgaggct ttttgaaggc agtggggata gctagcttta 360
 ttatagacaa ccgtgatcgc atcccctatc taaccagaag aatncaagcc ccttttttca 420
 gtcattctcaa ggagtttgga gggatcactc cctactcagc tgccaagggtt 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 ccaaattctat 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 aaactttttc tttttttctt tttacttcag 120
 gatgttaatg attgg 135

<210> 10321
 <211> 545
 <212> DNA
 <213> Canis familiaris

<400> 10321
 ggagcatcta ttcttacgtt ctgggactct agatacaaga catactgggtt ttggtgtact 60
 ggagaagaaa tagacaaata tgtgaaatgt caaaaatctg agcttttttaa actttttctt 120
 tttttctttt tacttcagga tgttaatgat tggatatgggc caccaaataa taatgggata 180
 attaaagaag ttactattaa tccagatact acttgtggta atgattgggt ctgtgaacat 240
 cgatggcgctc aaataagaaa catgggttatg ttccgtaatg tagttgatgg acaacctttt 300
 acaaaactggg gggataatgg tagcaaccaa gtagcttttg gaagaggaaa caaagggttc 360
 attgtcttta acaatgatga ctggccatta tctttaactc tgcaaactgg tcttcctgct 420
 ggcacatatt gtgatgttat ttctggagat aaaattgacg gcaattgtac aggaattaaa 480
 atctatatat ctgggggatgg 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
 tgggtggggtc cccagaggag ctgtacgagg ggcccctggg caagtacgac gtcaatgcag 240
 atgccaaagc ggcgctgact gagctcaagt cctgcataga cggcctacag cccatgcaca 300
 aggcggagct ggtcaagcta ctggtgcaag tgctgggcag tgaagatgaa gcctaacaaa 360

ccccagtcac ggctccaggc ggccacagga ccagctacac aatcagccac agccacgcc 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 ctgggtgctga ggcctcccag attctggggc 60
 aggtctacnc cagactggtg ccaagaagcc tctgggtggg ttggttggct gattggggcca 120
 cacagaccaa ctttcagaaa gcatttccca atactctgac tcacattaac cccagtttct 180
 ctaaccccca gtgcatgtgt cctccacatc gcttccaggt ttgctctctc acaggtctgt 240
 gtctttgagt ttgccttcc tgaacagact cttagcactt ggatgctatg attcactta 299

<210> 10324
 <211> 146
 <212> DNA
 <213> Canis familiaris

<400> 10324
 gtccctctac tgcagatgtt actgatgtgt tagagacact tcctctccaa ccccagaga 60
 gtgcagagcc cctcacctga cttgtcact ggggtctgct gaagacccca agtcccagga 120
 ggaaagaact tcttgctgc 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 gagatcacgc tgtggtccgt acgcggcaag 180
 gcgggcaaga cgcgcaagtt ctccaccggc ntctaccgc 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 aaggagagtgt 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 aataaccag gggcttattt tcctttcttc ttagttcttg gctgactttt 420
 ggagacccat gggaaagaaa ctattttgaa tgtaaccca 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 tgaaggcca 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 tcctg gatgg atgctg agnt ggnntgncag aagaggccct cgggacacct

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tgtgtctgtg ctcagtggga gtgaggcatc ctttgtggcc tccctgggtca agaacagtgt 120
gaacagctnc tcatatgtct ggatggggct ccatgacccc acagagggtct atgagcncaa 180
tgcagatggg tgggagtgga gtagtgctga tattctgaat tactntgcct gggagnaaaa 240
ccctccacc ntcgcaaacc ctggctnttg tgggagcctg tcaagaagca caggatntct 300
gaaatggaaa gattataact gtgctacgaa gctaccctat a 341

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<210> 10329
<211> 427
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

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<400> 10329
tcacaccagc ttctttgcag gtcctcacac actgggtgca caccctttgc 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

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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 caagggttttc aagaacccca agttcaacat gttcaccatc 120
 aacaacgaca tcaccctgct gaagctggcc acaccgccc gcttctccaa gaccgtgtcc 180
 gccgtgtgcc tgccccaggc gaccgacgac ttccctgctg ggaccctgtg tgtcaccacg 240
 ggctggggcc tgaccaaaca caccaatgcc aacacccccg acaagctaca gcaggcggcc 300
 ctgcccctcc tgtccaacgc cgagtgaag aagttctggg gcagcaagat caccgatctt 360
 atggtctgtg cgggtgccag tggcgtctcc tcctgcatgg gtgactctgg tggcncctg 420
 gtctgccaga aggatggagc ctggactctg gtgggcatcg tgtcctgggg cagcggtacc 480
 tgctccacct ccactcctgg cgtgtacgcc cgtgtcacca agtcatacc 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 cgggggggtcc 120
 ctcatcagcg aggactgggt ggtcacggcc gccactgcy gggtcaggac ctctcacctg 180
 gtcgtggccg gggagtttga ccagagctca agtgaagaga aca 223

<210> 10332
 <211> 313
 <212> DNA
 <213> Canis familiaris

<400> 10332
 tgctcagaga cttaccacgg caagttcgcc aattccgaag tggagggttaa 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 aactgccccca caggagatgg ctcttggcag 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 catcacctg ctgaagctgg ccacgcccgc ccgcttctcc 120

gagaccgtgt cccccgtgtg cctgccccag gcgaccgacg agttcccccc gggtttgatg 180
 tgcgtcacca ccggctgggg gcggaccaag tacaacgcca acaagacgcc cgacaagctg 240
 cagcaggcgg ccctgcccct cctgtccaac gccgagtga agaagtctg gggcagcaag 300
 atcaccgacg tgatgatttg cgccggtgcc agcggcgtct cctcctgcat gggtgactct 360
 ggtggccncc tgggtctgcca gaaggatgga gcctggaccc tgggtgggcat 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 ggctaccctg gtgcctctta ccatgagttt caggaggata 120
 gctgtttccc ttgccagct gaaggatgtc cccaaatggg gcactntgct gaccgatttc 180
 agaggaatac cagtgtctgtg ggacaaacct ttttcctgaa cacaggagac agcggtaact 240
 ttacttgttg gagatacagg gtatcgggtca cactggctgg aaaaaagaaa acgagtgggt 300
 actttaggat tgccttgtat ggaagtaatg caaactcaaa acaatatgaa attttcaaag 360
 gatccctcca accacatgca attcatatgc gtaacattga tgtggacctc aatgttgga 420
 aaatccagaa ggttaagttc ctctggaaca accatgtgat aaatcttttc cggcccaagc 480
 tgggggcttc acaaatcaca gtgcaaagcg gtgaaaatgg gaccaagtat aatttttgta 540
 gcagtacat ggtgcgagaa gatgttttac agtctcttta cccat 585

<210> 10336
 <211> 594
 <212> DNA
 <213> Canis familiaris

<400> 10336
 gatctgggaa gggactcgtg actttgtggc ctgtaatcac ttaagaagtt acaagtatta 60

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ctctgatagc atcctcaacc ctgacggctt tgctggattc ccttgtgcct cttacaatgt 120
tttcaactgca 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 tcaaccaaac 480
tctaccaga gtgggagcat ccaagatcac agtggaaaga aatgatggga aaatattcaa 540
cttctgtagt aaagaaaccg tgagggaaga tattttactt actcttacc catg 594

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<210> 10337
<211> 576
<212> DNA
<213> Canis familiaris

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<400> 10337
aactcgggac ttcgtggctt gcaatcacct gagaagttac aagtattact cagagagcat 60
cctcaaccct gatggatttg cttcctaccc ctgtgcttcc tacagggcct ttgaatctaa 120
caagtgttc ccctgcccag atcaagggtg cccacagatg ggtcactatg ctgataaatt 180
tgctgtcaag acaagtgatg agacacagaa atacttcctg aacaccggag attccagcaa 240
ttttgctcgc tggagatacg gggtttctat aacattgtct gggaaaagag ccactgggtca 300
ggctaaagtt gctttgtttg gaagtaaggg aaatactcat caattcaata tcttcaaggg 360
gattctcaaa ccaggctcta ctcatccaa tgagtttgat gcaaagcttg atgttggaac 420
aattgagaaa gtcaagtttc tttggaataa caacgtggta aaccaacct ttcccaaagt 480
gggtgcagcc aagatcaccg tgcaaaaggg agaggagaaa acagtgcaca gcttctgcag 540
cgaaagcacc gtgaggagg atgttctgct caccct 576

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<210> 10338
<211> 538
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

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<220>
 <221> misc_feature
 <222> (194)..(194)
 <223> n is a, c, g, or t

<400> 10338
 tccggcatct ggcttttagag ttccatgcaa gcttcctgcc tccatccaca ggcntcttga 60
 aggattcact aatggggtca gaggaggagc agtacatgta gacttaaaga cgcagttttc 120
 tgggatgatg acccactcgc aggtttttgtg ggattacgga gtggagtcca aagccttcaa 180
 attagtaaga atcnccgttt ccaaagttga aggaactggg atgtttttgtc 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 gatgccacac gagccctaatt cctgaacctc cattccaatg 60
 aggactgtac ctggacatta caaagaccag aaaacaaaag catcagaatc atcttttcct 120
 acttcagct tgatcctgat ggaccgtgtg aaagtgaaaa cattaaagtt tttgatggaa 180
 actctaccaa ggcgtctctg ctaggcaaag tctgcagtaa acatgactac attcctgttt 240
 ttgagtcac atccagtaca ttaacggttc aaatagtcac cgactctgta aaaantcaaa 300

gaactgtctt natcttctac tacttcttct ctcttgccac ctctattcca aactgtggtg 360
 gttacttgga cagccccaaa ngatccttta ccagccccaa ttacccaaat gcgcctcctg 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 agccttttctt ggaattccct acgcacagcc acctcttggt agacttcgat 180
tcaaaaagcc gcaattcttg accaaatggt ccgatatttg gaatgccaca aaatatgcaa 240
attcttgcta tcagaacaca gatcaaagtt tcccagggtt ccctggatca gagatgtgga 300
acccaaacac tgatctcagc gaagactggt ntatatctga atgtgtngga ttccaacacc 360
taaaccaaaa aacgccactg taatgatatg nnnatnnng gnnngngngt tttnaaanac 420
ggaacatcat ctttacctgt ttatgatggc aaatttctgg ctcggggt 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 tcctgggtgaa 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 ctggaccggg gagaccgagt ccacctggct cacctacacc 60
gactcggacg cgccgcccag cgccgctgcc gcggaacagcg gccccgaggc gggcggcctg 120
caggcggact ccagtgccat tctctgtttc cctccccaag gtgtgctgga agatggactg 180

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tcctccaatg gtataccccg atctgcagcc ccaggtggaa tatccaaccc ggagaagaag 240
atgagctgtg ggacccagtg cccgaatccc cagagcctca cctcaggccc tctgaccag 300
aaacagaatg gccttcggac catggaggtt aaaagagacg ctaagcgaat gtctgcaaaa 360
gaagttacca ttaacgtgac agaaagtatc cgacaggtgg acagaaatcg aaggatggcg 420
aagaactgtg ttaactagca gagtgtgcta ctagaagggc agatggactc ctttggtgc 479

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<210> 10344
<211> 42
<212> DNA
<213> Canis familiaris

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<400> 10344
gagggcagtg cctggataag tatcattcag ggaaactaaa gc 42

```

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<210> 10345
<211> 269
<212> DNA
<213> Canis familiaris

```

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<400> 10345
atgtgtctcc tgaagctgcc agtagttctc atcatactct cggttgcatc 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

```

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<210> 10346
<211> 522
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (391)..(391)

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<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

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ggccacgtcc aagttgggcg catatacctc ctctacggca atgacctggg cctgcccccc 60
atcgacctgg atctggacaa ggaggccac 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 acttngnctg gacactcttg gccgcagatg tgaatgaaga tggagagccc 360
gatctggtga tgggctcccc ttctgcacca ngtggaggga aacagaangg aatggtggct 420
gcgttttatt ctgccccag ctggagcaac caagaaaagc tgaacgtgga ggcggccccc 480
tggatggtgc gcggtgagga ggacttctcc tggctaggct ac 522
```

<210> 10347

<211> 466

<212> DNA

<213> Canis familiaris

<400> 10347

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gagagtccac tgtcaggatg gccttggtcc 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 ctagtggtcc tgcattgtga gattcatctc tgcgattccc 360
ttaatgaaca gtgccagccg tcttgctcga gaagtcaaca gcgtagtgaa atagtggcta 420
tcaaccagc tcgggttcta gatttgggac ccatcactcg gagaag 466
```

<210> 10348

<211> 159

<212> DNA

<213> Canis familiaris

<400> 10348

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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 ttgaagtga atccatagt gacttcatca agagtcacgg 180
 gaaaatcaag gccttcatta ccctccacag ctattcccag ctgctcatgt tcccctatgg 240
 gtatacatgt accaagtcag ataatttcga tgaactgaat gaagtggccc aaaaagctgc 300
 ccaatctctg gccagcctgc atggtaccaa gtacaaagt ggacctatct gctcagtcatt 360
 ctaccaagcc agcggaggaa gcattgactg gtcatatgac tatggcatca aatactcatt 420
 tgcctttgaa ctgagggaca cgggtcgata tggcttcctt ctgccggcca atcagatctt 480
 gccacagct 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 ctggcggtga cccgggaacc agtcactcca 180
 gtaccctca tcagcaccct ggagctgagc ggtgggggcg acgtggccac gctggagctt 240
 cacggtgaga acttcacgc ggggtcgaag gtgtggtttg gggacgtgga ggccgaaacc 300
 atgtacagga gccgcggtc cctggtgtgc gtggtaccgc acatagncgc cttcggcagc 360
 gactggcgct ggctgcgcac ccccatcacg gtgcccgtga gcctggtgcg cgccgacggc 420

ctctttctacc ccagcgcctt ctctttcacc 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 tctgggcca agagccggtg ctggttgctg 60
 ccttcaccat tggggggcctc 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 ccttccttac 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
 ttccctgagaa atcacctgct atcaactggg cttactacaa gnccaatgtg gcaaaagctg 60
 gcttggtaga tgactttgag aagaagtttg atgccctgaa gggttcctgtg caagaggata 120
 aatacactgn ncagggtgat 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 gagagcaa atcattgaaag cattgatgcc 120
 accaaattaa gccgtttcat tgagatcaac agtctccact tgggtgacaga gtacaaccct 180
 gcgactgtga ttggcctatt taatagcatg atccagattc atcttctact gatgatgaac 240
 aacgcctctc cagagtatga agaaagcatg tccagatacc agaaggcagc caagctcttc 300
 caggggaaaa ttctttttgt tctggtggac agtggcgtgg aggcaa atgg 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 gcatagtgtg tatttcatat taaaatacgc tgatgataga 60
 gtgcaagtga atagggggct ccaggcaaga ggtgaattta nattttaagt gcactagtga 120
 gtactactcc tttatgcctt ttaccattt tttggactag agcatattta acatccctat 180
 atgttgtag ccattcccat gtgccctttg gattg 215

<210> 10356
 <211> 255
 <212> DNA

<213> Canis familiaris

<400> 10356

tagagccttt ccctgtctgc acagtcaagc attgtggatg aggttttcct gagcaccctc	60
tccccgtggg cccctgaaat gtcaccacaa ctcaactcag caactcaact caactcgagt	120
ttgtggaagg agggatggag actggtcacc tccacttcca gtgtgaacac ggggtggggg	180
tgtggcaagg gcacgccctc cgtaccttct cgggccagac aaaagttaa 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
gccaaacaaca gtccttgcta catcacaggc tggggcctga ccaagaccaa tgggcagctg	120
gcccaggttc tgcagcaggc gtacctgccc accgtggact acgccatctg ctccagctcc	180
tcctactggg gctccatcgt gaagaaatcc atgggtgtgcg ctggaggaga cggaattcgc	240
tctggatgcc aggggtgattc tgggggcccc ctccattgct cgggtgaatgg caagtacact	300
gtccatggag tgaccagctt tgtgtccagc ctgggctgta acgtctccag gaagcccaca	360
gtcttcaccc ggggtctctgc 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
agagtgtccg gctgcgccng ccacgcggac tccctgcaca cgtatccagt cgccaccgag	240
tgtcactgcg gcaggtgtga cagcgacagc accgactgca cgggtgcgcgg cctggggccc	300
ggctactgct ccttcggaga gccgca	326

<210> 10360

<211> 490

<212> DNA

<213> Canis familiaris

<400> 10360

ttagaccaat ggctcatcca acagccactc ccaaaattct gtgcagtttt gctcagggtca	60
tgctaacagg gaaacctcaa atataagcct aactagcctt ctgggatcaa aagtttagagg	120
aaaaatctga ttttattacc tagatctgtt ttacagacag ctggatttca caccctgttg	180
tcagcaaaac agctagttag gtagaaacac atagtccaa gtagttaag tcacctgatt	240
aaaatgttct tacctatcgt ctctgtagtt cctctatgca ggacggtaca aatttgccgg	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 cctatcttct ggctgaagcc aacgtatcca agagaaatcc	180

agagagaaag aagagaattg gcaagaaaaa tcgttacaac tactacaaga cgaccacgca 240
 gtggaccacg gggcaacca ggccttgag gaccaaataa tgaaaccaga cccagtgttc 300
 aagaggattc agaacccttc aatccagaca acccttacca ccagcaggaa ggggaaagca 360
 tgacatttga ccctagactg gatcacgaag gaatctgctg tatagaatgc agacggagct 420
 acactcattg ccagaagatc tgtgaacccc tggggggcta ctatccatgg cttataatt 480
 atcaaggttg ccgatcagcc tgcagagttg tcatgccttg ta 522

<210> 10362
 <211> 473
 <212> DNA
 <213> Canis familiaris

<400> 10362
 agagaaagcc caagatcacg gcctcccga aactcctgct gaagagcctg atgctggcca 60
 aggccaagga gtgctgggag caggagcacg aggagcggga ggctgagaag gcccgtacc 120
 tgtgccggga cctgcacgcc aagggtggagg tgggtgatga ggagagatat gacattgagg 180
 ccaaatgcct gcacaacacc agggagatta aggacctgaa gctgaagggtg ctggacctcc 240
 gtgggaagtt caagcgcccg ccgctgcgcc ggggtccgggt ctcggtgat gccatgctca 300
 gggccctcct gggctcgaag cacaagggtg 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 agcattatit acgaagactg gctggaaagt 60
 tattgcagta acacccatga ctaccgtcc agacctgctt accatcattc agacagcaaa 120
 acaacatgga ccgttctaga ctgaaggact ccctgaattt ttatatactt catgttcctc 180
 tctgaattgt attcatacca cacaaatcaa gtgtctcctg ctctagacaa aaaggataaa 240
 atactgacaa cctcaaattc aagcaccact ttttaatttt 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 cttcagtcct gtggccacaa ggagtgggga ccccatgcc aatgcggtgg 120
 ctgacatgtt gcgtgagaat cgtagcctcc acagcctgaa cattgaatcc aacttcatta 180
 gcagcacagg gctcatggct gtgctgaagg cagttcggga aaatgccaca ctactgagc 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 tgagtccttg 360
 atgaaagacg gcgacaagaa caacgacggc cgcacgact tcgacgagtt cctgaa 416

<210> 10366
 <211> 292
 <212> DNA
 <213> Canis familiaris

<400> 10366
 tccatctctt tgaaccgtgt cacagatcca gaagatgaaa gaaggaagta accagtcctt 60
 ttgccccttc ttccccaccc tgatagtgat gcattctcag ccagagctgt ggcacaaact 120
 cccacgttcc cctccctgac atttttctgt ttataaacat gatggtccct tccactttgc 180
 accctcaaca ccccatcttc ctttctgctc 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 agcttgatcgc cgacttactg gcctatgggg ccaaacctga 300
 acttcccaaa tataagtcct ttaacaggac agcaatgcct tatgggtggat atgagaaggc 360
 ctccaaacgc atgaccttcc agatgcccac 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
 ttgccgcca ggagctggag aaagaagaga gtcgccgtga gtctgagaag cagaactacc 120
 tgtctgagca ctgcccgcct ctgcacctgc cgggtccat 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 ccgcgagag agagccgagc agcagagaat ccgcgccgaa 120
 aaggagagag agcgccagaa cagactggcg gaagaaaaag cccggaggga ggaggaggat 180
 gccaaagagga 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 agtgcgtaga gctgctggtc aaatacggcg 180
 cagacatcca ccagcgggac gagaccgggt ggacaccctt gcacatcgcc tgcagtgcg 240
 gctatcccg catagccagg tacctcatct ccctgggggc agacagagac gccaccaacg 300
 atgacgggga cctgccctct gacctcatcg acccgactt 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 aggcattggag gcttctgtgg 120
 gatgccattt tctcactcct cccctgcag actcacttca tgcagtgcaa tgaggaaaac 180
 caattttgag ggcgtggact gcgagatctt tgaggcccct gagcccatga ccatggcctt 240
 gtccgtgctg gtcaccanag aaatgtgcaa cgctctcaac agcctgtctg agaaccagtc 300
 cctcctgcgg atgccccctt gggtaaacad ctggctgctg ggctccatct gcctctccat 360
 gtccctccac ttcctcatcc tctacgttga ccctctgccg atgatcttca agctccgggc 420
 cctggacttc acccagtggc ttatggctct 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 tagatatctt ttaacaaatc catcagtgac tacagcaacg 180
 atgacgaaaa cctgccaaga tgatgaacct ggtggtagct tcacaagtcg ttcaggcata 240

aaagtctcac gcaagaaaaa ccaagtcgcc tgatttttca tg

282

<210> 10373
<211> 494
<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> (54)..(54)
<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

<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> (104)..(104)
<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> (117)..(117)
<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> (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

aggaattcaa ttactggtgc tatattttat acataataca ttatccngtt aaangcgttg 60

actattncac agncaaggaa ttatgaatct ttngtcanac agtntttctc atncagngga 120

atccattgta tcnncagttt ccaagcagta ttgaatagtn ctaggatggt ttgggttgtc 180

agctgggaca tgaaaaaat agctttatca cacagaactg gatattataa tatatactca 240

ctaaaatgga attctaacag ttcaataaac ttccagtgga ttaattaaaa tcatcccca 300

tactgtatca taccaagatt tgatttgcac accatctggt gcaatgcact tggctttact 360

ttattgtcaa tgagaattan tnannnncaa atgccttcgt ggttttgtcc atgctagact 420

tatgatttca caccctctcc gaaatcatta tcctaaagta actttcctta ggcattctatt 480

tgctgggaat ctcc 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

atcttctctt ctcatgttca atttgaaagg gaatgctaag caggatgtcc ctactgtaaa 60

tccagtatcc tgggtgggaat ggagggaaaa aggagggaaa tatctatctt tccagtcttc 120

actccaagtc cccactccaa gcaccccttc tcaccagctc agagctntcc ttctacttgc 180
 tctgtatgga acctgttctt ttatggaatt tgctctgcc cggtaacag 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
 agatcagctc ttgaatgaca ttcgtcncag caacgttgcc tatcttaaacc cgtgcaact 60
 gccaaaagaa ctggcataaa tggcaacaga ataatctaga agaacaagga attgagataa 120
 tgnctcgggt cagagcttgg acagtttcag caacatactt cgggagccag gtggtggaac 180
 caggaacaag gctggcatct gatagaagca ttttgtcaag gcagaggcnn aaaaaaaaaan 240
 gggggggggg tggagctgac aaggaatggg gaaggagaga aaaagaaaaa gaattactat 300
 tctgggacat tttctacttc caatcagttt gagtaattac aatatttagt cangcttcca 360
 gcagcagaag ttaaaaaaaaa tttttttcac aaacatttgt ttactattg ctttcttctg 420
 gtcgata 427

<210> 10376
 <211> 376

<212> DNA
 <213> Canis familiaris

<400> 10376
 ggagatgttg ctggactttg tcaatgcat gaagaaaaac aaacacatca aaaccttcag 60
 tttagcgaac gtgggcgccg acgagaacgt tgcctttgcc ttggctaaca tgttgcgggg 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
 aacatcgtag tgctcaacag cctgagaaag gaacgaggca tgaatacatt cctgttccga 60
 cctcactgtg gggaagctgg ggctatcacc catctcatga cagcattcat gacagcagat 120
 aatatctctc atggcctgaa tttaaaaaag agtcctgtgt tacagtactt gtttttctta 180
 gccagattc 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 tggggatata caccggggag 60
 ctgtttctca acttcactat tgtcctgata accgttattc ttatgtggct ccttgtgagg 120
 tcctatcagt actgagaagc catgtcatgc tcctgggatt gactgcaact ctccagagct 180

gctgctctga gctccactg ctgtcatggg atgcttttct cagcacccca gggcatttct 240
 gaccacact cacaatatct gaggtgcctc cagtgttagg attgattgtg tgtactctaa 300
 agatgctgct tgcaagcgct gccaagtatt tgccagttag cattagattt attcctcaac 360
 tcttactgca aatgtgttag acaagccaca aggttaaaat taaatgattc atgatggtgt 420
 agaattgtaa caagcccctg atctgtctta ccacacagcc cttccacca 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 tgcccccattg gcagcgtctg gccccccggc 180
 ctgagggcgg agagcctgcc ccaggcacc ccacatgtct ctgtcctggc tgcccccatc 240
 tccggggggtc tgtgaataaa gct 263

<210> 10380
 <211> 178
 <212> DNA
 <213> Canis familiaris

<400> 10380
 gaaaccacct gctattgttg caaaaagcc tgaaccacca ccagtgaag 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
 ccctccagt catgaggagc ctgaagaagt tgcctgggaa gagcccccg cgaagctgt 60
 ggaagagcca gagcctgctc ctctccaaa agtgctgag gtaccaagg 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
 caaccaaagt ctaaaaagt accaaagaaa tgcacaaaat gtgaacatct ttgtcactct 420
 gttttctact tcagtat 437

<210> 10384
 <211> 426
 <212> DNA
 <213> Canis familiaris

<400> 10384
 agagttagca aaagcgtaac gcggaagctg tgaaaggtct gcggaaacac gagaggcgag 60
 taaaggaact cacttaccag acggaagaag atcggaaaaa tattctcaga cttcaggatt 120
 tggtagataa acttcaagcc aaagtgaat 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 ttgacagaa caggtgacag 120
 taagatcacc ttaagccagg ttggcgatgt ccttcgggct ctgggcacaa atcccaccaa 180
 tgcggagggtc aagaagggtgc tgggaaaccc cagcaatgaa gagatgaatg ccaagaaaat 240
 tgagtttgaa caatttctgc ccatgatgca agctatttcc aacaacaagg accagggcac 300
 ttatgaagac ttgtttgagg gtctgcgtgt ctttgacaag gaaggcaacg gcacagtcac 360
 ggggtgctgaa ctccgtcatg ttttagccac a 391

<210> 10386
 <211> 414
 <212> DNA
 <213> Canis familiaris

<400> 10386
 gggtagggca aagatccctg ctcacctccc tcagtaaact tcttggaag aaaaaggagc 60
 tacaagactt ggagctcacg cttgaagggg ctctagacaa aggacatgaa gtgaccctgg 120
 aggcaactccc aaaagatgtc ttggtatcaa aggaggctat ggggtggcatc ctctatttcc 180
 ttggagccct aacagagcta agtgaagccc aacagaagct actgataaaa tcgatggaga 240
 aaaagatcct atccgtgcag ctaaagctgg tggagagcac aatggaacac agtttcctac 300
 aggataaaga ggggtgttttc ccctgcagc ctgacctgct ctctccctt ggggaagagg 360
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<210> 10387
 <211> 67
 <212> DNA
 <213> Canis familiaris

<400> 10387
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<210> 10388
 <211> 286
 <212> DNA
 <213> Canis familiaris

<400> 10388
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tttctttact tcccaaaatt gtagactcca aatccctttt ctcatctctt cctactgctt 120
agattcccct ggtactacag tgccctccct gccagataac cattctctaa agtttcctct 180
gtcatgtctt tgagatggta caatccagta gctaaccctt cccattcaga ttcttgactg 240
ggaaaccctt gaaatgtccc atagtaactc tggttcctgg acaagt 286

<210> 10389
<211> 348
<212> DNA
<213> Canis familiaris

<400> 10389
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cagtgattgg cacacggggc tcaccgactg ctgcaatgac atgcccgtct gtctgtgcgg 120
caccttcgcg cccctgtgcc tggcctgccg catctccgac gacttcgggg agtgctgctg 180
cgcgccctac ctgcccggag gcctgcactc cctgcgcacc ggcatgcggg agcgctatca 240
catccagggc tccgtggggc acgactgggc ggccctcacc ttttgtttgc cctgcgcctt 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 tgggtaccacc acagcacagt gctagtgtac acaagctttg gatacaagaa 180
caaagtgcct tcaggcggct ggttcatgac catgaactac ggtgtgcatt ctatcatgta 240
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caccagcttg cagctcctgc agatgtttat gggagccact atcagcatcc taacttacat 360
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<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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 gagaaggaac ttcattctgga acaggaacag cagaaggagg agctacagca gcaggaacag 240
 cagcagggaa aggaacagtg tgagaaacat caggaagcaa aaaatctgga gcagcagcta 300
 gagcagatag gagcaciaag gaagcagcag caaaaggaac agctggaaca ggaaaagaag 360
 ctcgtggacc agcacctgga tcaagagcca gcacagagaa ctgagcaacc ggaaaagaaa 420
 gaagagcagg tgctggagca gcaggggcag caggaggggc agctggagca gcctgccttt 480
 gtcccagctc tggctcaggt ccgagngccc ctgaaggagg aagtcctgcc cctcatagag 540
 cagcagcacc agaagcagga ggttcatgac cctccagaac a 581

<210> 10392
 <211> 429
 <212> DNA
 <213> Canis familiaris

<400> 10392
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 gcaggggaagg tcatcaaagg tgaggagatc agtgttgtcc ccaaccggtc tctggatgcc 120
 aagctgtctc cagtcattcct gggcgtccag ggaggaagcc agtgcctgtc gtgtgggaca 180
 gggcaggaac caactctgaa actagagcca gtaaacaatca tggaactcta ccttggtgcc 240
 aaggaatcca agagcttcac cttctaccgg cgggacacgg ggctcacctc cagctttgag 300
 tcagctgcct acccaggctg gttcctctgc accgtgcctg aagcagacca gcctctcaga 360
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 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

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ctttggcggg gccagcggta tgggcagtgg ctcaggcctg ggtggaggca gcggctactc 120

ctatggcagc ggccntggcc ttggagctgg cttcagttcc agcagtggcc gaggcgtggg 180

nagtgnnttc 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
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 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
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 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>
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 <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
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 aggaccacat gctgcaagcc nacatgctgt ntgtccagct gctgccngcc nagctgctgt 120
 ggggtccagt gctgcgggtc cagctgctgc 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
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 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

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actatgaggc catggtgcag accagccgca atgatgtgga ggagtgggtc 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 atccgggggtg	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 ggtgggggtcc	120
agccctgtgg aggtggctct aaggggccct gctccctctc tggttctgga gtccacagta	180
gttctagtgt ttccagtagt tcattcttcc atccctgtgg tgggtgtttca caggggccct	240
gttccccacc aggcactggc acctttggcg gcagctccag ctcccaatcc agtggcaaaa	300
tcattccttca gccctgcggc agcaagtcca gttcttctgg tcacccttgc atttctgtct	360
ccncaacatt gagtgggggt cnggatgggt ctcctcaacc tgatccttca gctgggtgcc	420
agtcttgagg ctctggaaag ctcc	444

<210> 10402

<211> 550

<212> DNA

<213> Canis familiaris

<400> 10402

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ctgtggacct aaacaggatg ctggaggaga tgcggtgtca gtatgagact gtggtggaga      60
ccaacctcag ggacgtggag gaatggttca acacacagat ggaggagctt aatcaacagg     120
tggccacaag ctctgagcag cttcagagct accagtcgga catcattgat ctgagacgca     180
cgggtcaacac 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 ttccccaggt gtgtcccgca ccatctgtgt gccccgact gtctgtgtgc     540
cttgcatgcc                                     550
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<210> 10403

<211> 118

<212> DNA

<213> Canis familiaris

<400> 10403

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acagggatct ggtcatgggc actctctaga tacctctaga catccagggt atcttcagga      60
tcagagagaa aatcctgggc cgtctgattc agtgtttgtt cagtctcaga atggtagt     118
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<210> 10404

<211> 90

<212> DNA

<213> Canis familiaris

<400> 10404

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acctctagac atccagggtg tcttcaggat cagagagaaa atcctgggcc gtctgattca      60
gtgtttgttc agtctcagaa tggtagtaga                                     90
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<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>
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 <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
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 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 ggatgtcttg agaatgcccc agtgcagtca gcatttcggt gaccggcaac	360
tccactactg tgtgcggagg cggcgcggcg ggcttcgggg gtggcatgtc ccttggcggg	420
ggtgggggtg ctggcaaggg cggattcggc accagtgtgg gctatggcac cgtcaaggga	480
gggcccgctc ctgggggcac ctccatcctg cggaagacca ccacggtcaa gacgtcaagt	540

<210> 10407
 <211> 72
 <212> DNA
 <213> Canis familiaris

<400> 10407	
aacagcgagc tggtaaaaag tggcaagagc gagatttccg agctccggcg cactgtgcag	60
aacctggaga tc	72

<210> 10408
 <211> 147
 <212> DNA
 <213> Canis familiaris

<400> 10408	
gaagaagctg atgggaaatc tggatgagaa cagtgcacaa 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
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 agttcaattt gtctgtcatt agagaccac ccatgcaggt tcttgagctc aagtatcatg 120
 gtggcataag catgtacata atgctgcctg agaatgacct atcccaaatt gaaaacaggc 180
 tgacctttca gaatctaatt gagtggacca atccaagaaa aatgagctct cagtatgttg 240
 aggtgtttct tcctcaattc aagatagaga agaattatga aatcaaacad catttaagag 300
 ccctggggct gaaagacatc tttgatgaat ccagagctga tctgtctggg atagctgcag 360
 gaggccgtct atagtgtgcc aaaatgggtgc acaagtccta catagagggtc actgaggagg 420
 gtacagaggc cactgctgct acaggaagta acattgtaga aaagcagctc ccagagtcca 480
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 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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 taaaccagc 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 gaaagggggc 420
 tgaccaagac cttctccctg aatagcccag caactcctga gtggattagg atgacttgtg 480

tggatcagtt tactgacatg attcctagag atgaccttc aacatttaca ccttggtcta 540
tccgtgtgtc ttga 554

<210> 10412
<211> 465
<212> DNA
<213> Canis familiaris

<400> 10412
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caaaacacag caaagcttcg agatgggtcaa aggcggctac actttggatt ccaacaaagg 120
agggtggccat cagaccttg aatccgtcaa gggagcagga caaggagtaa cggatgctgg 180
cagatatata 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
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ccagatccag gggctgatcg gcaacgtgga ggagcagctg gccagctgc gctgtgagat 180
ggaacagcag agccaggagt accaggtgct gctggatgtg aagacaaggc tggagcagga 240
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caagcactga gctgcctgtt ccagagcctc ctgcccgcct accggcccca acctcctgaa 480
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<210> 10414
<211> 421

<212> DNA
<213> Canis familiaris

<400> 10414
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cttccgctct cccagaacct tccagttggg atcctctctc aacagtgact gtcaggagat 120
cggctgtgaa cctaccggct gccggacgtc ctacctggtg tccagcccct gccagacatc 180
ctgctacccc tcgaggacct ccatgtctta tggctccctgc cagacgactt aactggggtc 240
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tggatggagt ggtttcccat cagtgggctg tggctccagt gctttttcat ccctggggtg 360
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c 421

<210> 10415
<211> 192
<212> DNA
<213> Canis familiaris

<400> 10415
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taccacctgg ggtacagcgt gggctgtggc tatggcagca cctactcccc agtgggctat 120
ggcttcgggtt acggctacaa cggctgtggg gccttcggct acagaagata ctggccattt 180
gatctctact ga 192

<210> 10416
<211> 253
<212> DNA
<213> Canis familiaris

<400> 10416
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ttccacagga ccttcagagc taccaccttg aactgtgtcg tgccctggg atctcccttg 120
aactatgggtt atggatgcaa tggctacagc tccctgggct acagcttttg tggtagcaac 180
atgtacaaca ggggctgttg ctatggtggc agcttttgca ggccatgggg ctctaactct 240
ggcttcgggt aca 253

<210> 10417
<211> 205
<212> DNA
<213> Canis familiaris

<400> 10417
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 taagagagacc cagaagattc gggccacgag gtcattccgc caccctggct attccactca 120
 gaccacggtt aatgacctca tgcttgtgaa gctaagtaaa caagccaggt tatcatcgag 180
 agtgaagaaa gtcaacctgc cctcc 205

<210> 10418
 <211> 562
 <212> DNA
 <213> Canis familiaris

<400> 10418
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 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 attgtttgtca aaacagtggg tgaggaacta gatcaacttg gtaatgtcct 480
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 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 gttaaataca aaggctatgg 360
 aggaccagga aatcagataa aagagtcac taaaaccacc atgggttaaaa 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
 tacaatccca actagccctg aaacaatccc tggaaggctc cttggcagaa acagaaggtc 60
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 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
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<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 ggtcaaattgt tatagtgaca gaaagggtaa tagcaccaag ctcaagtcta 120
 cccacctctt tgactatgcc tgatcccaga gaatcatcaa atgtggtagt gacagaaaga 180
 gtaatccgac cagcttcttg catgatgggc aatctaagta tacaccctga gttatcaaatt 240
 gcccaaaatg tgattgtgac agagaggggtt gtttctggct ctggcataag tggatttagt 300
 ggcccagctg ggataagtgg aggcagtggc ctagttingca gtgcaatggg agtaagtggg 360
 ggtggcattg ggctgaacag nctgggagga ggtgggtggnc tgagtagcag catggggggc 420
 acagccacca tcggtcatgt gaggagctcc tctgaccatc acttttagcca gacccttgga 480
 tctgcctccc ctagtactgc ccgaagccga atcacaaa 518

<210> 10422
 <211> 222
 <212> DNA
 <213> Canis familiaris

<400> 10422
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 acctgctgtg acaactgccc cccaccctgc catattcctc agccctgtgt gccacctgc 120
 ttctgtctca actccagcca ccctaccca ggccctggaga ccctcaacct cacaacctac 180
 actcagccct cctgtgagcc ctgcatctca agctgctgct ga 222

<210> 10423
 <211> 216
 <212> DNA
 <213> Canis familiaris

<400> 10423
 tctgaggaag aaacgaccat tggttaattat gcagcaggcc ctgaggcctt taacgctcaa 60
 ttctgaaca tcgacaagtt gcgctctgct ttttaagccg atgaattcct gaactggcat 120
 gccctctttg agtctatcaa aaggaaactt cttttcctca actgggatgc ctttcctaag 180
 ctgaaggggtt tgagaagtgc aactcctgat gccag 216

<210> 10424
 <211> 207
 <212> DNA
 <213> Canis familiaris

<400> 10424
 tgtcggtgcg gagtctgcct gccagcacc tgcccccatg acatcagcct ccttcagccc 60

acctgctgcg acacctgccc tccaccctgc tgtgagcctg acacctatgt gccaaacttgc 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 aagtgggtcca 240
 aggggtccac gatgggggtca accaggccgg gaaggaggca gagaaatttg gccaaaggggt 300
 ccaccacgct gctggccagg ctggaaagga ggcggagaaa cttggccaag gtgtccacca 360
 tgctgctggc caggccggga aggaggtgga caggttgccg cagaatgttc ataatgggggt 420
 caaccaagcc ggcaaggagg ccaaccagct gctgaatggc gctcatccag gcgtttccac 480
 cggccagcac cagcacggag ggggcgcaac caccacgtta acatctggag cttcggtcaa 540
 caggcctttc atcagcttcc caactctgtg gcagggtga 578

<210> 10426
 <211> 295
 <212> DNA
 <213> Canis familiaris

<400> 10426
 tgcgctgcc a gattggagac cgcctcaacg tggaggtgga tgctgcccc acagtggacc 60
 tgaaccgtgt gctcaacgag accaggagtc agtatgaggc cctgggtggag accaaccgca 120
 gggacgtgga ggaatggttc accaccaga ctgaggagct gaacaagcag gtggtgtcca 180
 gctcggagca gctgcagtcc tgccaggcag agatcatcga gctgagacgc acggtcaatg 240
 ccttgagat tgagctccag gccagcaca 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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 ctgtgctggg gatactgata ggatgctaca tagccatata caggtacata cataaatcca 120
 gcaggcaatt cataagccag tccagccgaa agcggaaaca taaccagagc atcagggtgg 180
 tgggtggcagt gttctttacc tgctttctac cctatcactt gtgcaggatt cctttcactt 240
 tcagtcactt agacagactc ttagatgaat ctgcacacaa aattctgtat tactgcaaag 300
 aaatgacact cttcttgtct gnatgcaatg tgtgcctgga tccaataatt tactttttca 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 cagtgtgctg gctgacgata gtcctgggac tactcatctt gatcctgact 60
 tgccaggccg atgacaaacc agatgaccag ccagatgcct cagacaaaaa aacagagcca 120
 gaattcccca aattcctaaa ctttttgggc acagagatca ttgagaatgc agtggagttc 180
 atccttcgct ccatgacgag gagcacagga tttat 215

<210> 10429
 <211> 265
 <212> DNA
 <213> Canis familiaris

<400> 10429
 agggcatccg agtcggcact gtgatgagga ttcgggggtgt ggtcccgaac aaggctggca 60
 ggttctacgt gaacctgctg tgcggcgagg ccccggggag cgaggctgct ctgcatttca 120
 atccccgcct ggatgagtcc accgtggtct tcaacaccct ggagcagggc gcctggggcc 180
 gcgaggagcg aggcacgggc atccccctcc 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 ctcaagtatg ccccatacc 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
 gtcttgccag gcggagatca ttgagctgag acgcacggtc aacgccctgg agatcgagct 240
 ccaggcccaa cacaacctga gggactccct ggagaacacg ctgacagaga ctgaggcacg 300
 ctacagctct cagctgggcc agttgcagtg catgatcacc aacgtggagt cccagctggc 360
 tgagatcagg agtgatctgg agcggcagaa ccaggagtag caggtgctgc tggntgtgcg 420
 ggcccggctg gagtgtgaga tcaacacata ccggggctctg ctggagagcg aggactgcaa 480
 gctcccctgc aacctatgtg ccaccaccaa tgcttgccgc aattcctgtg ggtcctgtgg 540
 caactctcaa a 551

<210> 10432
 <211> 321
 <212> DNA
 <213> Canis familiaris

<400> 10432
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 cctcttttat gcatgagaat taataatcat aataggcctt acttcaagtt caaaagtgtt 120

ttcaggatcc tccaagtatt ttagcattgc ctctgaaaac ccaacttatac 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
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cagaacaggt ggccaagttc aaggaggtct tctccagatt tgacaagaac ggtgacaaca 120
ccatcaacac ccaggagctg ggcgctgtga tgcaggccct gggccaggat atatcagagg 180
acgagctgaa gatgctcatc gccaggtgg acacggacgg cgacggggtc atcagcttcc 240
aagagttcct ggaggcgatg gtcaagagga tgaagtcctg gggcagtgag caggagatgc 300
gggaggtctt ccgcgctttt gacctgaacg gcgacggcca catcagcgtg gacgagctca 360
agcaggccat ggccaagctg ggcgagttgc tgtcccagga ggagctggac accatgatcc 420
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<210> 10434
<211> 378
<212> DNA
<213> Canis familiaris

<400> 10434
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cgagaccagg agtcagtatg aggccctggt ggagaccaat cgcagggacg tggaggaatg 120
gttcaccacc cagactgagg agctaaacaa gcaggtagtg tccagctcgg agcagctgca 180
gtcctgccag gcgagatca 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 gctaattctt gcatacctcc catctttcca tccatacacc ctcaacaaga 60

aattcacaga aataaggatg ttatgaactg tagtcaattt gactttacct tt 112

<210> 10436

<211> 294

<212> DNA

<213> Canis familiaris

<400> 10436

gtgacctttc catcaaagct catgtgcaca gatgtcaagc tcattctctc ccaggactgc 60

aagaaggttt acaaggacct tctgggaaaa tccatgttgt gtgctggcat ccccaactcc 120

aagaccaacg cctgcaatgg tgactcaggg ggaccactga tgtgcaaagg tgccctgcaa 180

ggcctggtgt cctggggaac tttcccttgt ggccaacca atgaccagg 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

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cagagcaagc tggccgagct ggaagatgcc ctgcagaagg ccaaggagga catggcccgc      120
ctgctgcgtg actaccagga gctgatgaac accaaactgg ccctggatat ggagattgcc      180
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gtgagcgtat ctgtgaacac cagccacacc accatcagtg gaggcggtgg ccgaggaggc      300
ggcggtttcg gctccntagc tggcggcggc ggctacggtg gtggcagtta tggctctgga      360
gggtggcagct acggctccgg aggtggcggc ggtggcagct acggctccgg aggtggcggc      420
ggcggcggct acggctccag tagcagcagt gggggccaca gaggcggctc tggagggggc      480
agccggtccg ncgggagctn cgggggccgg ggatccagct ctgggggcat caagacctct      540
agtggcagtt ccagcgtgaa gtttgtttcc accagctatt ccagagcagt cagata      596

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<210> 10439
<211> 483
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

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<400> 10439
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ccctggagtc caaaactgaa ttatcctcac gaggacctta ccatccagct gagtgtgtgct      180
tcaggtacat tacccgagca atcccacgtc accggatcac agattatitt gagaccagca      240
gccagtgtc cagggctgga attatcttca tcacaaaaaa tggccattcc atatgtgccca      300
accccagtga tgactgggtc caggactaca tcaaggactt gaggagaaat gagtgaccca      360
gatgtagtgg aggagggagc agccagccat cttaaaggga agaggccaca gctcccctct      420

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tagctgcagc cctcagcccc agtcancctct tgggagctgc cttgccttga attaaagacc 480
 ttg 483

<210> 10440
 <211> 190
 <212> DNA
 <213> Canis familiaris

<400> 10440
 gaggacctta ccatccagct gagtgtctgt tcaggtacat taccgagca atcccacgtc 60
 accggatcac agattatattt gagaccagca gccagtgtc cagggctgga attatcttca 120
 tcaccaaaaa tggccattcc atatgtgcc accccagtga tgactgggtc caggactaca 180
 tcaaggactt 190

<210> 10441
 <211> 463
 <212> DNA
 <213> Canis familiaris

<400> 10441
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 tactgaccg gaaatgtctg aacaaagcca ccagggcca agggccgatc tggccgagaa 120
 aggtgtcatg ctcaggaaaa gaaatcagcc tccaggattg cccttctgaa gtttgggaaa 180
 agaacaactg caccacgat gaggacatgt gggtggaatg tgaagatccc ttgacttga 240
 agctggtagg aggagacagc ccctgtgcc ggaggctaga ggtgctgcac aagggcgagt 300
 ggggcactgt ctgtgatgat gactggggag aaatggcgga ccagggtggtt tgcaggcagc 360
 tgggctgcgg ggcgtccctc tctccatctg tcaaattccg gagaagattt ggccctgggg 420
 tcggccgcat ctggctggac gacgttgcct gctcaggga 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
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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
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 catcaaccac tgctctcatg tcagaggaaa ttctaactgc tatggtgtgc tgcctacaga 120
 ggaacctgtc tataattgga gaacagtaat aaacagtgtc gcagacctct attttgaagg 180
 aaatattcat cagtctctgc caaacatccc cgaaaaccag ctggtacaac ctgctgttct 240
 ccatcaaaag ggaggaaaag gcaggaagaa gctccgacta ttcgaatacc ttcatgaatc 300
 cctgtgcaat cctgagatgg catcttgtat tcagtgggta gataaaacca naggcattct 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
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 gctttccaag ctccccaatc tcatttacca caggaagatt cctccttaca atcacttgga 120
 ctttatctgg gccatggatg cccctcaagc gggtttacaat 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 ggggtggctca gncggctaag tcgtctgcct tcggcttaag 420
 tcatgatctc ggggtcctag gatggagcct tgtgtct 457

<210> 10445
 <211> 553
 <212> DNA
 <213> Canis familiaris

<400> 10445
 ggtggacata cccatgtttt ctgtgtacat gagcagtgc ccagaagggtg 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 gagtgtgcc aactcaacgt catgccagat gtcaccttca tcatcaatgg 360
 agtctcctac accctccagc caactgccta taccctactg gactatgtgg atggaatgga 420
 gttctgcagc agtggctttc aaggctctga catccagcct ccagccgggc ctctctggat 480
 cctgggcatg 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
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 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

gaggttttata acatcatcag cccaaacaac aatggtggca atcttcagga gacggtgtcc 60
attgacaatc aaaaaaacat cgccatcggt aacgtccacg caggatcatg ctctctacc 120
acaatttttg actataaaca tggctacatc gcctccaggg tgctgtcccg aagagcctgc 180
tacatctga agatgaacca taaggccatc ccctccctgg accagctaaa acggtacacc 240
tatgagaaac aggccatgca aagcatcttc tccgataagt acctctgggt caagtacaac 300
ccgctgcagt ccctgatcat gcacatagac tggttcctgt tcggctcgcc catcaaggag 360
ctgtgcagtc acgtccccct gtacaagggg gaggtgttcg agaagccgca cactgtcggt 420
actggcgtct gttcaaaagt cggattcctg ggcattctt 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 agcgggtgcaa 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 ctaaacaat taggaaaacc catcgctaac atgtgcaggg ggattccaac 420
atacatggcc gaggagattg aaggagcaag cttttcttt acttcaggaa agtgcttcag 480
tgctgatata ttatggattc tgaacatttc ctactgtagc 520

<210> 10450
 <211> 568
 <212> DNA
 <213> Canis familiaris

<400> 10450
 gaacaggatc ctggtgatcg ccatcgtgtt ccaggctctgc atcggctgct tcctgtgcta 60
 ctgccccgga atgcccaca tcttcaactt catgcccatt cggtaaccagt ggtggctggt 120
 ccccatgccc tttggcctcc tcatcttcgt ctatgatgag attcggaac ttggagtctg 180
 ctgttgccca gggagctggt gggatcagga gctctactat tagaggaacc atccctgcac 240
 ccccgccagc agagggtggg ggcattgggac ccgctgggcc gccactggaa catcaaagcg 300
 accaggagcc ctggcacctg tgtcagctcc tgcagccac ggcgccccga ccttggaggg 360
 ccctccccgc tccccttccc catccacaga gagcccaccc cgtcagggcg gtccctgggc 420
 caggctctgg tctgaagagt ggggaggggg ggtgttgga ggagtggggc gctggctggt 480
 cctgtgaggc gggctctgcac tcgggggtgcc cagagggctc cccagggtag tgcttcaata 540
 cacacctgtg ccgctgata 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 gggatgatcta cgtcctggtg ttggtctgtg 60
 cactgaccct cagctccctg gccagggcc agcaggagac gtgcacggtg gccctcacc 120
 acagagacaa ctgcggctct ccgggcatca cgccttccca gtgtaaggac aagggtgct 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 tcaagagggtt ctttggggaag 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 tacttttagcc aatctgacac agaccctgga agatgtcttc 60
 aaaaag 66

<210> 10455
 <211> 66
 <212> DNA
 <213> Canis familiaris

<400> 10455
 cagcaggagg gagatatgcc tacttttagcc 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


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tttattatca gcaatatcca aaatttcaga gatattatga tgataaataa ctttataatg 120
ctacacagga atccacaaca ggattacaga ggcttcatgg aaagtcctac ttgctctctt 180
actcatgatg attcttccta ttcaaaaatc ctttaaacad 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

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<210> 10457
<211> 540
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (71)..(72)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (75)..(77)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (152)..(153)
<223> n is a, c, g, or t

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<220>

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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> (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 nntcnncat 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 tttacaata cagttttatt tgcattatat tatgcnttat 360
 atcacaattn aaaaataatt ggatcnatca taatttctag attttccgta agaaaaaaga 420
 aatctaataa 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

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cgtccattgg tttgtgctgg tacatcatgt cgggctctcc agcatacaga cttggaagct    60
tgagaattcc atattggatc accagaataa gaccctccac agtgactacc gcaggatcca    120
gcccttgaat 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 ttttagtttct gattaagacc atcatccgtg agcagacgtg agatggttta    420
agggatatgag aagggggttg tgagacgaca ataatgggaa ttgattggaa tagaaattta    480
aaggaaatgg agccctgcct accttcctat cgaatcatgc atg                    523

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<210> 10459

<211> 448

<212> DNA

<213> Canis familiaris

<400> 10459

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acgatttggg tctgcaccgg aagtgccttt gctgccgatg tggtagctac tgaccgcggt    60
ttcagtcgct ctccctcggt ttcctcgctg gctgtttgcg tcgcgctatg gcgcccaagg    120
gcaaagtggg caccagaggg aagaagcaga tatttgaaga gaacagagag actctgaagt    180
tctatctgcg gatcactactg ggggccaatg ccatttactg tcttgtgacc ttggtgttct    240
tctattcatc tgcctcattt tgggcctgga tggccttggg ctttagtctg gcagtatatg    300
gggccagcta cactctatg agctcgatgg cacgggcagc cttttctgag gatggggccc    360
tgatggatgg tggaatggac ctcaacatgg agcagggcat ggcagagtga gtgtcccccg    420
ctgccagccc agggcacctt aaggatgt                    448

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<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 cgcgaggagg cccctggact ttgagaggtg 60
ctggcaggag tacaagcagg gcttcggaga cttgagaggt gaccactggc tggggctgca 120
gcacatctct gacctgacgt cccagccggg cctgcgcgca gagctgaggg tggacctcct 180
ggacgtggac aaccgcacgc tgcacgcca ttacaaccat ttccacgtgg atggggaggg 240
ccagttttac cggctgaccc tgggcctgta ctcggggaac gcaggggacg cgttcgggg 300
ctcgggccac acagacaacc aggagggctg cggcttcagc acgctagacc gcgatcntga 360
ccgctgctct ccctgcacgg acggtgcccc gaccttctcc agctgcagcc acgatcgctc 420
gggctccggg tgggtgtaca 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 ccttttcctt ggaaataatc aagaaaaact cttcagatac 240
atttcagaga tattttgacc tgatagtaac cctcaagtat actggaattc acaataactc 300
caatatggtc cttgttgatg taaaaatgct gtcaggatth actccagtca tggcatccat 360
tgagaagctt gaaaacaatg gccaaagtga gaagactgaa gtcaagaatg acnatgttct 420
tttctacttg gaaactgttt ttgggacagc aaaccacttt actttcagtg ttgagcaaac 480
caaccttggtg 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 gggctctgcat ggctgagtat gagagtaact tcaacaccca 120
 ggcctttaat gggagaaatt ccaatggcag tagtgactat ggaatcttcc agctgaacag 180
 caagtggctg tgcaaaagca actctcactc ctcggcaaact gcctgcaaca taatgtgcag 240
 caagttcctg gatgacaaca tcgatgatga tatcgctgtg gccaaagagg ttgtgaaaga 300
 tcctaattgg atgtctgcct ggggtggcctg ggttaaacac tgcaaaggca aagatttgtc 360
 caataacctg 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 ggggaagtact tgggattctg cacagctgtg 180
 gctatgtacg cagagggcatg 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 gtctcggag tgaaccttct gggac 45

<210> 10465
 <211> 407
 <212> DNA

<213> Canis familiaris

<400> 10465

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aagtccgatc tgatcaaacc ctggggggcac ttcaggggttt tcatccacag catgagcgca      60
aaggacggca acctgcacgg ggatatacctt 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 caggggttcca gagacta                    407
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<210> 10466

<211> 511

<212> DNA

<213> Canis familiaris

<400> 10466

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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 gagtgacctg tgctactggt gcttctgctt ctgtatgttc ctggaatgcc      360
tcttccttaa ggctacctca gtttgcttct tcttcttccc ttgaagctga tttgtctctg      420
aatcctgagc tctgtggtga caccactgga cacttgagga ctattctcca gcaatgcatg      480
gctggtacac tggacttttg acccttgttc a                                511
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<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 agacgggtcac	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 ctcattgttca agaagaaaat atcaaactta ggaacaacat ggagcagtta	60
ctacaggaag cagaacactg gaatgtgcaa catgctgagc tcagtgaact aataagaaca	120
tatcagaaat ctcagaaaga tatacaagaa actcttaaaa ataatggagc acattttcaa	180
actcaatcaa atgagaaggt gtcagctcag catgaactgg aggaacaagt gaaaaaactg	240
gaacatgaca catattcatt gcatttgatt tcagctttgc tggaaaatga atgtcagatc	300
ttacagcaga gaatagagct tctcaaggaa ctccatcatc agaaagaggg aactctgcaa	360
gagaagccaa ttcagaaaaa cgggtgaaaag 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 tactttttctc tattgcctcc cagncagaaa cagnagaagt 60
 gaagggcaga agtgccaaca tgtagcatgn ccnnctgca tcatgggggtt ctgagttggg 120
 tccgagtccc agtgccttca cacctggcta cctcaciaag gagtctccgg gccagctcag 180
 gggaagctgc caagagattt ggtcctcaga aaggagacag anctgcatca atcaaattag 240
 tattttattca gtgctgacgt gccagagct gntgataggc cagcaagaaa ccctgggtccc 300
 tgtcaccaat ttgtttataa tctcactaaa cagagatgga ctcacataaa atgcttttga 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 gttgttttggg acaccgccgc gnttctcttt tcatcaccct tacttcctac 60
 ctggaccgca ctatttccca tcaagcacgt gcccttatag tcggcctccc tttggctatg 120
 gaaattttcc aagttcaatg ccagaatgcc ttgggttatta tgaagacaga taccaaaaac 180
 atgaggctat gttttcagct ttaaataagag 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 ctgcctaaa agaggggagt gctcagagag 120
 aacgtagagt tgcctttaat cctagagctc tggatgaaca acggaacag cctntgctct 180
 gaagaagttt gagccccacc ctgtccttga agaccttcgg atgtcaagct ttctctgtcc 240
 acattgtgac tgatgcaatg acccaagttc cccaccatat tgcagtagag gaatgggaga 300
 cggttccacc cactgcacag catcctcttc cccctacag 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 gagagttttc cagtttctct 180
 gcagccagag ttgtcgtaac tggcttccta tagaaggctg gagccatgta gtcaggcttc 240
 tctgtaacag tctgaccaat ctctggact ccgtaggat gatacagtca gttggccctt 300
 gggctcaagg acaagaacag gacctgacct aggaaccct gtttttttat acccaggtat 360

tctgtcacgt tctgcacatc atggccatgc tccccacga ggtgtgag cgcgtgtatg 420
tcttggcctt ggaaatcctc acctgctatg aaaccctaag caaggctaatt 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 gttattttatt 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 ccaagggttc atatgggtgt aactgatttt ctacctgaat cttgaactct 120
ggccttcttg ccagcactc tccattatgg gttggctcta gatttatttc atttgttcat 180
aaacgttttc caagtgtga ctatatgcag ctgttatgtg gcacctctggg 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 agtactcggg gatcacagaa gaagactgtg aaattcttaa aatctctgca 180
aagaattatg cgagggttaaa atcggaaaaa ataaaacttg aaaataagca aaagggtgaaa 240
ttaattcgta aatgtccata ttatgaagaa tggcctactt tatccatata tgaattagtt 300
gcactcatta aatggaaaaa atttccacca ggtcacatga tagtggaaag tggaaagata 360
atctcttttg tggncatat 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
gaaggatatg 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
 atgccagggt 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 cccccctact atcaaggagg agatggaacc 60
 atccatcgct gaagagctgg ttcttggaaa 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 ggaggctgga aaagggcagc gtcctgctgg 360
 cccatcagcg ctccatgac accatctgag agctgaacct tgccaatgcg ccctcggtgt 420
 cccttccgct ccatcgctctg tggcagggcc ctggctgcgc cttcccagtt ttcttccact 480
 ttgtgtacgg 490

<210> 10480
 <211> 489
 <212> DNA
 <213> Canis familiaris

<400> 10480

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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 cttttcagac    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

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```

<400> 10481
tcaccaggag attaaccctg caggccgcca antgagaagg gacagagcga caggaggccc    60
gggatgcaag gaaaatcaaa acaaatccac ctgctcagag aagactatgt tgacacccca    120
ccccccngca gatctctgtg gcaagtgtg tgcagccac ggatgtggca ctgggtcatt    180
tatgactgcc tcatgacatt atttttcact gttgtctttg cattgttctt taatgacttt    240
gtctaattgt ctcttctcac                                     260

```

```

<210> 10482
<211> 165
<212> DNA
<213> Canis familiaris

```

```

<400> 10482
gaaggcactc ttcattgtat tccgatgggc agagtttata tttggaagaa aatggaaatc    60
acgaatctcc ctaccttgcg agcagctctg tagaaattgg tctagaaaat tctgaactgt    120

```

ataaagatttt 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 cccacgaca ccaaggcagt 180
 gctgcagctg ctgaggcggg agcatcagga ggcctgcag 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
 caaccagat 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 actgcgacaca aagggctgac ccttgctgcc 60

ctcaagaagg agtttgaaa tgctggctac gaagtgcgca ggaagtgctg ccgcccctcg 120

ggcgaagcac ccaagtctga tgtgaagggc acgcttctgc gggtcagcgg cagggacgcc 180

tcgggctact tcagggctcg gaagactccg aagcccaaga gaaagccagg acgcccagg 240

ttggcggagg gcgcgcgctc ttgcgcggagg agccttccgg cgccgcggag cccacggagg 300

cgcagcacgc atcgcagggc ggccaagaag gccaggggaag tatggagacg gagcaccagg 360

gcaaacgcga ggggtgcgaa gataagggca agagccaagg actcgggtcg 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

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ctcgcgtgac tatataggca agcatttgga gactaccttt nctttggtat cctagccctc      60
agtagctcaa ggttggcntt ctgagcagat aaataggctt ttaagtagca aagttccctg     120
ctctcagcaa gcctgncncc atggggaagg gagacncctt ggagatagca ccaaccccct     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

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ggaaaatatg ttaggaacc 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 tgggccacc      360
ctagcagaac aaaat                                                         375
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<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

gggttgccctg tggagctcaa tcagctcaag aatatccgtn ccctgnacct aggcttgnc 60

catctggnca gtgtgccnc cncctctgggt gctctgaagg agcttcatga ggtagggcta 120

catgacaacc tgctgaccag catccccaac agcatctcta aactcccaa gtcaaaaag 180

ctcaacataa agcgaaaccc ttttccaag acagaggagt cagatatatt tctagatacc 240

atcaagaggc tggacaactt atatctggta gaggataagg atttgtgttc aaattgcctg 300

aaaaagtgcc aacaggcccg ggacaagctg aacaaaatca agaatatggc cacagcaact 360

ccaagaaagg ccattctttc 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 gaaaaggag 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 accaggggaag 240
 aggtgtggtc tccatagggg acccgagaa cacaagagac caaatcctga gtgattgagc 300
 aacgcctgtt tccagaggtg ggtggtcagg ggaatggatt tcgctgggac ttcaggcctg 360
 cntctgtcaa gagttctata aacaagccca gggtcccata tcttctattg tcccctggct 420
 cccctccttg tgtaggata 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 tcttaaaaaac 60

tactgtgaat gctatgaggc aaaaattatg tgttcctcaa tatgcaaagtg tgttggtgt 120

aagaattttg aagaaagccc agaaagaaag aacttgatgc acttggcaga tgcagctgaa 180

gtaagggtag agcaacaaac agcagcgaaa acgaagttag cttctcaaatt ttcagacttg 240

cttactaggg 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 tttcaaactt gctatggaat gtatgggttt atggatctag tgtgcatagg 60
 tctcattgtc cacgaaggag ctgcagttta cagagtatct aagcgctggc gagctgttaa 120
 cttacactgg gatgtattaa attatgataa agccacagac atcgaagaaa gtagccgggg 180
 agagtcttcc acaagcagga ctttatgggt 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 gctttggctg ccaggcacac gggtatcctg 60
 acctaagcac cacctnnttc ggctccgccg cctacgcgtc gcctgagggt ctcttgggta 120
 tcccatagca cccaagaag tacgacgtgt ggagcctggg cgtcgtgctc tacgtcatgg 180
 tcaccgggtg cat 193

<210> 10497
 <211> 150
 <212> DNA

<213> Canis familiaris

<400> 10497

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ggcctcacgg ctgcgttgga agtccgcgct tctcacactt gcggtgcgga tgcgtacggg    60
aagcccgggg atcttggttaa aatgaggact cccattccgt tggtcagagg cgcagcctgt    120
tgttaaaaaac tcccagggtt gcacgcgcag                                     150
```

<210> 10498

<211> 270

<212> DNA

<213> Canis familiaris

<400> 10498

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gaccgcacac acgtgggagt tcacatTTTT ggcttattca tcgaggggagc 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

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taatcatcca gaagaaactc aacatcgctc ggagagcctt taagggcacg gaccgcacac    60
acgtgggagt tcacatTTTT ggcttattca tcgaggggagc caggtggaat catgaacaaa    120
atgcactaga agactcgctg cctcgtgagc tatgctgcga ttttcctgaa atctatttct    180
tgccaacaaa gatttctact gaaacaacaa atacttctga gcagagagat tcagaac      237
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<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

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tcagcgccgc tggaacgaga tgaaangccc gcggcgccacc tggggcgctt ccggacgccc    60
ggcaagtggg 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
 ttctgaatt ctagcctctc aatttcctta 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 ctgtgccaaag 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 tacatggggg ttgagttggg cagaccagat caccctgccc 240
 tccctcnctg ggacaatgtc atctttatgg tgtatcccct tgaaaggagc 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
 gtttgggtgtc gcaaggccct gagaaagagc aggactctgg ggagccagag tgctcccncc 60
 gcagtcccag tcttgggagg aagtttgtcc tagtagggca gtgagcaggg caaggggtggg 120
 gtgaaggcct tggaggacaa gttgcccttc ttctctcact tctcatggtc aggctggccc 180
 tcngtgacta gagcaccact tgccagtggc gcagatgggc agataagctg gtcctagaga 240
 gattcttggc ttggactgca gcatctgttg agtgtgttgg accatagcat tggcctctat 300
 ttcttaggat gctggccgaa aggacaaagg agcaaagggt gggaagggtg aattcaaacc 360
 cactattccc caattccac agacatcacc aggcctcag catttctcaa caggggtata 420
 gctactgcct tccttggttg tttctgact 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 attcagcgcg ggtggaagca gatcctgatg aagctgggtgg 60
 agaagaggaa gcgactggcc ctagatttct atgtgcacca agaatgggca gtggtcaagc 120
 tgcaatcctg ggtccgatat tggcccatat gtgttcgtta ctgccgtttg ctccactctg 180
 tccgcatcat ccaaattctat tggcgctggc acaactgccg taccctgtgtt ttatttcagg 240
 gcgattacat cctcaaagaa agtcaactga atcttinaact 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
 aactgagga ggagagcctg gagccgccag agcccacgcc cagcgtgcgc cgcgagttcc 300
 ccctgaaggt ggcgctttcc acgggcaagg acgtgaggct cagcgccagc ctgcctgaca 360
 cagtggggca gctgaagagg cagctgcaca cccaagaggg cattgagccg tcctggcaac 420
 ggtggttctt ctccgggaag ctgctcacag accgcacgcg actccaggaa accaagatcc 480
 agaaagattt tgttatccag gtcacatca 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
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 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 gggaaacggt 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 cggggggaga ccccatgtc 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 ctttggtgag 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 ggaccagga 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

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gtcacgcagc tcctggaagt ggcaaagtca ggatccaaag cctgggtttgc 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 atcccgcagc cagttatccg    300
cactggggac tatccaagtg accagctact gagacctgcc aggccccgag ctggcaaaga    360
atttaccagg ctttttccgt gctgagcctc ctactctgtc aactgggtctc cactgaaaca    420
t                                                                    421

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<210> 10511

<211> 507

<212> DNA

<213> Canis familiaris

<400> 10511

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aaccttaatt catctatacc catcgaagtc ccaatgctaa aaagtaaaat tacctggtgg    60
acagataagt atgtcaagtt tcagaatcca agttccatta atctttctag tgcatttgca    120
gggaccacaa agccccata ctggtctaag cctgtctatg aactagatga agaggatcca    180
ggaaataatg gcttcctcaa tgatgacttc atcgtgtgga tgcggacagc cgcctttccc    240
actttcaaaa aactgtaccg tcgactcaat cgaatacagt actttattga aggcttgcct    300
gctggtaact atagtttcaa cattacctac agtctttctc tctttgattt tccagtaacc    360
aggttcaaag gagaaaaatc agttgttctt tccaccttga catggagcgg aggcagcagc    420
cttttttttag gtctcgcta cacagtgaca ggagcagtaa catgggttggc cgccttttcc    480
atgatggcca ttcacctgat gctgaaa                                         507

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<210> 10512

<211> 501

<212> DNA

<213> Canis familiaris

<400> 10512

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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

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tctgtgacag atctggtagg atcagttttg aaaaatctta ggagagtgca tccagtttct 300
 actatgggta agggcttata tggaataaaa gaagaaatct ttctcagtat cccctgtggt 360
 ttggggcaaa atggtgtctc agatattgtg aaagttaact tgaattctga cgaggaggcc 420
 cttttaaga agagtgcaga cacactctgg aatgtccaaa aagagctggg gttttaaaagc 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 ggtncagggt 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 cccagggggg ccagagatcg agccccacat catgttgctt 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 ctctccaac tcctcttcta aaaccaacc 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 tcattcttacc ccccgcaagt ctctacctt gtttcgccac ctggattgtc 120
 cattgcctcc tatagccgtg tctgccgcac atatctctgc aataacctca ccaacttgga 180
 tccattttgtg aaactcaagg ccggcactcc taagtcgaca gcattttctt cccacagttg 240
 cccacctgc gtgggtgaac actctaagtc ttgcctccca aattttgtca ccactgattt 300
 ttgcccctac gacgcctcta agtgttacag ttccacctta aaattccagg cagggttctt 360
 caataccacc ttcctcctct tgggctgtgc tcgtggacat cacaaacttt tatcagattt 420
 tcaccatatt ggaaacatca gagtaactga ggtcctcaac atcttagaga aggcccaggt 480
 tgctagtga gagcgctcca gccatagtcc tgcttgagc 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 tcaaattgtca tcagttatgt cactgtcaat gactctccag attctgactc 180
 ttcccttgagc agcccatatt ccactgatac cctgagtgtc ctccggggca atagtggatc 240
 ccttgtggag gggcccggca gagttgtggg ggatggcgct agcaccgcga 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 ctggggaggtc acgaagatga ccacctcact 240
 gcgggatcaa ctgcccctgc agaagatgtt ggtggcaacg agatccattc cagtcagagg 300
 gcttggggcc ccagactgta tatcacgctc 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 ggacttgcac 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 tgggtggaggt ggccacggca gcagcagagg gtttgggtgga gaacttggag 120
 cctcacaccc aggggggacag gagctgatct gtgaccncaa agacaaaaac caaatgtctga 180
 ccatagtgga atagaacgat gagcaaacct acatcatgga tgaccagtg aaaccagtac 240
 cccagccttg gctgtcttcc ccagtgtg 268

<210> 10521
 <211> 300
 <212> DNA
 <213> Canis familiaris

<400> 10521
 atggtttctca ccatgctggg ggctctgtac cccagggccg ggctgagcct cttcctcctc 60
 tacctcatcc tggcagctgc actcctccac cccagccac 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

tatagactgg taagggccgt gtctggttna gaccccaatg caaatgggtg aaggaaaaac 60

cctcncctggt 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

aaaccctctt ggtgccaaga atgagcatga tttttttttt ttaagctttg ctttgtttct 420

acggaatgat ctcattgctga tttgcttata aa 452

<210> 10523

<211> 429

<212> DNA
 <213> Canis familiaris

<400> 10523
 caagggctgc cgacttcttg ttcagctgtg atgcctcca cccagacacg ctgagaatat 60
 atcagagcct tgattacata gaagacaatg ctacagtttt tcacgcccac tatctctctg 120
 cagtcgctaa tgctgaaata aaaaactcgg tgacttttagg tcatttcatt cttccccctg 180
 agtgcttgca aaaagaaata agaagaaaac ttggtaattt tatttgggaa caagaccaac 240
 attttcagat agaaaagcat tatgaagtaa caccaaata aataaaagcc cttagggaaa 300
 acagtgaact agaaacagat cgcaaaaaag aattatccaa aagggttatat 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 ctggacggtg aaggcttttc ngttccaaaa 240
 gccaaagacc ttccgctatg tgacactcct ccaaggt 277

<210> 10525
 <211> 581
 <212> DNA
 <213> Canis familiaris

<400> 10525
 taagcatgct tttgtcacca tctgctaaaa tgcagtatgt tggagggtgaa gcagtcatag 60

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ccctaagtaa ggatagcagg atgcatcaaa atcaaatatg tgaagggaac ggaattgcac 120
cgttgattcg cttactgagg attagtaaaa tagccgaagg cacacttctg agtgtcatca 180
gagcagtggg gtccatctgt attggatatt tgtttaaggg caggctacgc attaaccctt 240
tttgccttca ataatgcct tcaacaatac ttgatattgg aaagtggagt aatgaccata 300
tcaatTTTTG aaccttttct tgaatcaaca attgaaacag agaaggcaat ggcagcattt 360
caggttatca tcttagctaa agtcattata gatgtggacc atattacgtt gtctgcgaga 420
gggtgttacta ttttagttgc tagtctgtat tcagttcatt ccactactgt ttaatttata 480
gggaatttga tagccagcct ggctcattcc agagctggta ttccagaagc atttaccaca 540
ttagggacaa tccaacggct ttgctatcat ttgtactcag g 581

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<210> 10526
<211> 492
<212> DNA
<213> Canis familiaris

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<400> 10526
aatcctatca gtcaacaatt cgttgtacaa gaaaatgcct tcccagtact tcttcaacta 60
ctgagaaatc acccttctcc taacatcagg gttgaagtgg ctttttcctt ggcattgcatt 120
gtcctaagga atgatctgtt acagaatgaa ttacaagaaa acgaaggatt taaatatgct 180
gatgtcctct atcttcttca ctcacaagat aaggatattt gtttaagggc aggctacgca 240
ttaacccttt ttgccttcaa taatgcctt caacaatact tgatattgga aagtggagta 300
atgaccatat caatTTTTga accttttctt gaatcaacaa ttgaaacaga gaaggcaatg 360
gcagcatttc agattatcat cttagctaaa gtcattatag atgtggacca tattacgttg 420
tctgcgagag gtgttactat tttagttgct agtctgtatt cagttcattc cactactatt 480
gtcctgacag gg 492

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<210> 10527
<211> 425
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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 gcttgcggn 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
 tgtgtctcctg cagctactga acgacctttc tcctccaaag ctatccccaa aatgagacag 60
 cccaaactttt cggactctct gagtcttcag acaacttgtg tcaataaaaag 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 ctaccagga tgccttcccc agataccgtc agaaaggaag cgaaggaacc 120
 accagcgctt 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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aatccagatc tcttttctcg aggttgggag gagnccgccc tccgcactga gccgcaagtg      60
gggaaagcnc cgggagcgga gagcctcttc tcttgtgtca gttgtccaac gncccggcac      120
aatttaggtc aacatttcga tgatattcaa ataatctatt cgcctgcctg tggaattatc      180
accaggtgcc tctctcctag cctcggacag gatgcatctg gtcttggagt ggaaggggaag      240
ggaattcacg tggatttgtt cccagcctg ggccacaggc taggtagact gctttaaatg      300
cgttatctca ttcattgtgt accacagcca tgtgagctag gtgttataat ccccttgatc      360
cctcagcaaa tcgaggttag aaaaatttgc tgaaatttca cggtttggac atgaaggaca      420
caggtctgtc cgcattcaaa gcacatactt gttttcactg gaccagagtt catgcctttg      480
a                                          481
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<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

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tgaccacggt ctgccatctt gccacatggg gcaagtcaat ctgctctgcc cacctcacgt      120
gaggtggggg tcacaggaga catcatatgt gacagatatg ccatctgaga gccacaaagg      180
gacctggtgg ctgggggctc tgagatgtgg ccagggctct agatctggat gggccatgga      240
aggtgaccgg aggaagggca gatggaacat gctggaaagg ancctttgga gaagacgtca      300
ttctgatgag gattactaat aacacctnca gggccatggc agcagggagc acatcccagc      360
acaccccaca cccagacca agtacagctt tcccagcacc atgg                               404
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<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 ctacagtttta gcgtgtgaat atttcagaag ggncccgaaa gggagatgga 120
 tgccatacag gccaaaggagg aagtgaagaa ggcccgtgag gaagatgagc aggacttgct 180
 gatgggcagg tttggtgggc aagaaaacat tttccagaga ttccataaga gggatgaact 240
 ttagtcattc ccacctcaga taaagatgac tggtaaaacc ttgcctttac tttaatcgac 300
 atgtaaaagt gcaaattgtca acatacgtgg taatttgtcc agttttcttt gaaaacgttc 360
 ctatgcttct cagtgggggtt ggcctggtgt tccgtcagcc tcagccctgc ngtaccaaca 420
 tgttgtctct cgacaaacct gaatgctagg agtcagaggc cggttaagggt ctggccaaag 480
 atacgatgct ctttcctgag cccctaaaa 509

<210> 10533
 <211> 433
 <212> DNA
 <213> Canis familiaris

<400> 10533
 agccattgga ctaggagcct ccatattgcc tctttgtgat gtggtttggg ccaatgaaaa 60
 ggcttgggttt 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 ggcattccagg gtgaagaata aatgcatca agcctgtagc 60
 tgnnccccct gctgctgttc tctctccctc caacctgtcc cttcccaggg gaggggggtgg 120
 gttctgggca cagcaggagt caagggggcca ggggctactg gggttttgga agagtaattt 180
 gttcctcagg anggagtcca tgggaacaga agggagggca gaggcggggn acagcctgtt 240
 tctctgtaac attctaggct cagggcagag cacatctgga tggggtgga 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 cgggtgcttct ctgtcctctc ctgtggccac tcttgaagcg 120
 aggtcattac taaccatagt tacttactgg cacaatgggt ctctgcaatg tgaaaagacc 180
 tgaaaagtta atactgcccg aaatcatggc tcttcacatg ggcatcaaca gctgatgagt 240
 ggccgaaggc agagtgaagc cagacgtctc aagactgaaa cagcacctca ccctctgcag 300
 gagtggactt cattcagcca cagacaagta accactaacc tgttttgttc tgtttgcac 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
 atcagaggca tcaactacct tgacagatcc accaatgcct tctgtaccaa nggtcccaag 60
 tcatcactga gncnnccnaa ggcttgcagc caactacctg gaacgcgtgg ncaactccat 120
 ccacctggac caccagacc actccttccc ccgcagtaac tccnagtccc atcaccagca 180
 cggctgcctc tgacaactac accaacacct gcanggtgcc ttccccaggg 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
 gctgggtgga 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
 cagcgctacg taaccatcat gaaccggcta cnaaagcctg ggctacaacg ggcgggtgca 60
 cccggcgctg accgagcagc tggatgaacgc ctatggcatc ctgcgcgaga ggccggagct 120
 ggctgcatcc gagggcagct cctacagcat ggacttcctn cagcgcgctgc tggatggagac 180
 cgtgcatccc agtgtgctca ctgatgngct gctgttgctc tcctgcctca gccagttggc 240
 acgtgacga 249

<210> 10539
 <211> 541
 <212> DNA
 <213> Canis familiaris

<400> 10539
 cactgtcttct taccatttct tgagataaac attgtacttt caaaacacag tttccaaaac 60
 aagattgaaa acctaaggcc caggcttact gtccaacacc cagattttac ccgggattct 120
 gctgagcatg acctcatgct catcaagctg agtcatcccc aaaagctcaa cgatcagggtg 180
 aagctggtgg ccctgccccaa caccacagat gacagaagag ggggaaagtg cactgtctct 240
 ggctggggct gggaatggaa ggattccagc tcagagcctg acgtccagat aaaccagacc 300
 gtcttttggg tctctaata tgactgcaag gagtcccctg taagacaaat tcctgttcaa 360
 atcacggaga acatgtttctg tgcaggatca tctctggaga acaaacacat gtgtaaggaa 420
 ttggcagctg cccagctctt gtgccaaaat cagctccaag gcatacctatc ttggtcagca 480
 ggggtgcattc tgagaggcga tgtcggctac tacaccaagg tttcccgcta tacagactgg 540
 a 541

<210> 10540
 <211> 103
 <212> DNA
 <213> Canis familiaris

<400> 10540
 gaacttgttt gggatgtgga agcctatggt gttcttggtc attgcggctg tggctctgta 60
 tgtgttacct aacatgacgac cgcaggagtc agagttctgc ctc 103

<210> 10541
 <211> 514
 <212> DNA
 <213> Canis familiaris

<400> 10541

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atattccaga cagagatgct gcctgggaac tcgagccagg ggctttctcg gagttgtatc      60
agcgctatca aactgtgat gccccatct gtctgtatga acaaggcaga gacagctttg      120
aggaagaagg gaggtggcgc ctcatctgt gtgctacatg tggatcccat ggaaccata      180
gggactgctc ctctcttaga tccaacagta agaaatggga gtgtgaggag tgtgcacctt      240
ctgctgaagc cacagactat acaccagaaa actcagggtga catcccttgt tgcagcagca      300
ccttccactc tgggaggcat ttctgcagag acaccagcct ggaagagaat ccaggccctt      360
cttggactaa ttggccagga ccttccttat tagaaaagcc agagtcctct ggtggcagga      420
ggagccactc ctggcgggtcc aagggtgtca aaatcactaa gagctgcaaa aaatccaagt      480
aacagcttcc gagtagtcgc tgccaagtac attt                                     514

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<210> 10542
<211> 332
<212> DNA
<213> Canis familiaris

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<400> 10542
gtgaagactt atcccaagca agtgttgaaa acatccagag tccatgttgt agtcaaacta      60
tctaccaccg caagtgcata cagaaatatg ctcacacatc agcaaaacat ttcttcaaat      120
gtccacagtg taacaatcga gaagagtttc ctcaagaaat gctaagaatg ggaattcata      180
ttccagacag gaggtggcgc ctcatctgt gtgctacatg tggatcccat ggaaccata      240
gggactgctc ctctcttaga tccaacagta agaaatggga gtgtgaggag tgtgcacctt      300
ctgctgaagc cacagactat acaccagaaa ac                                     332

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<210> 10543
<211> 368
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (253)..(253)

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<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

tggtgctgag taagcgctcc ctcaccgggn ccgcgggctg cacgtcccca gctacacccg	60
cttcaacctg gacaagtgac cgcttggtccc agatcactgg tttctaccag atggcacagg	120
agcatcgga gttactatcta gacaagacag gcctgggtgcc tcgggtcccc tnccttcgtgt	180
tgcctgtgaa ggagtgggaa cggtaccccc tccccactga ccttcctcct ctgagcccag	240
agaagaagtg gancctttta agagtatccc ctnagaatct gaagacctac cagacattcc	300
cctcggggaa gaggggtgtcc ccacaggagc ggcagaagag agaccgatac tttgaattca	360
gagcgtga	368

<210> 10544

<211> 35

<212> DNA

<213> Canis familiaris

<400> 10544

gaattcagag cgtgatgcct gagagcctgg ctctg	35
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<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 ttcattgcacg 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 tggctcttctc tgaaatgggt 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
 aagatgggtgc cttctaacca gagaatgcat agtagccctt cttaccgcca aatgaactgc 60
 ttacgcacc tcnagccang acctactgtg gcagctttgc ttacgcatgc ccggagatct 120
 tgctgggctt gccctacaac cttttcctgt ctgacacctg gagcatgggc gtcacacctt 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
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 cgcgccaccg ccacgctgcc cgcagctcttc gtgctcgagt actacctgga caccctgtgg 120
 aagggcacgc tgctcttcgt cgtctgcctc ctctcgtca gcttcggcgt ggtgagccag 180
 cctacggaag gtgcttcttc cagctggttc tgtgcggcca caaactagag ccgctgggtgc 240
 tggtgcagct gtcagagcgc tacgagcaga tggaatacct gggccgctcn nnnnnnnna 300
 agctcaacat taactacttt gactgcctgg ccacgtccta ccgccacgtg gtccgccact 360
 ggccgctggg ggccgccttc agnccgggca tcgtncagcg caagacccgc acgtacgaca 420
 agcgggactc ccagtcgcac ctggacctgg acctggacgt gtgacgccac ag 472

<210> 10550
 <211> 301
 <212> DNA
 <213> Canis familiaris

<400> 10550
 gaagcaacag ttttgacaag cagcaattat gataagagac caaaagattt tcctcagggg 60
 aaagaaaatc ccatggtcca gaggacttct acgatttctt cctctacact tggagtcttc 120
 atgtcccgtg 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 cttgtttacct 120
 aaagagttaa ggagatcaga acctaaaaaa ccagaagtca ggaccattac tgctaaagggt 180
 ttctatgatc tcgatgcctt aaatgaagct gcttggacca gtgccctgag ccagttgggtt 240
 ccctgtaata tttgtgggcg taccttcctg ccagacaggc tgattgttca ccaacgatcc 300
 tgtaaaccga aag 313

<210> 10552
 <211> 138
 <212> DNA
 <213> Canis familiaris

<400> 10552
 ggtacctgtg tctcctcgtg agagcctttc ctttttggaa ttgaggcgac ttcctgaaca 60
 gccttgcaca gatgcgtgaa tctaccccc tggctttgat ggtcggaagg ccagcagcat 120
 ctcaagggct acagtcac 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 aaattatata agaataataa ttatccaaca acttctcatc tttgtgtcag 360

gacaccaaaa aagaccctt catctctaac aaccctgga tctacgtga agtttgagc 420

gatgaggaaa atgcgggaag atcggtgggc 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 tggtagagcag tgttttattn caatgactgc cgatcctac taccatggct 60

aagcncgatg ggaacctcac gtgccacgta gccactgcag ccaggcaggc cgaagggtnt 120


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ggtancttag tccacactaa gtccacgtgc tacagtaaaa gtagtggggt cccncttact 180
gagtaatatc tgtttataag gaaaagggtg ctcaggagct agtttttttg gttgccancg 240
gctctgatat actgtctgaa gacaaatcat ttcatccctt tgtatatcat tgatccccct 300
ttctggcaaa atgtagataa tgatttcctc tcggtttggt agattttaaa ctgctactat 360
gaatcctcaa aaatacntta tctaaataac ttagacctta aatacatgtt tttagtctct 420
gaaa 424

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<210> 10556
<211> 187
<212> DNA
<213> Canis familiaris

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<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

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<210> 10557
<211> 359
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

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<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

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cgggcctgcg gacagggctt ctgtgacgag tgctcccatg accgtcgggc cgtcccctcc 300

cgaggctggg accatcctgt ccgagtctgc ttttaactgca 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

tggtttctac agactatgga atctcttcag cagaaccaga aaacgtgccc agttatcctg 180

agctcactga tcatcttgag gagaaaacaa tttcccccaa agttaaaact ctgggaaaaa 240

ataaccatca aaatgcatta agaagcttta agaaagcaaa gtcaaattatt tatatttacc 300

cagacttttag tacatggatc aagctaactt ttgtccatgg aggaaagtgg agatttttcc 360

tcagtgtac 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 ccactcacg 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 cggcttagcc ctttacgggt catctgagac ccagccccct	180
catttggtgaa 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 ccttcttggct gaaatgttca cgggccattt acttgtttcc aggcacttgt 180
 ccttatcgta cgggtgttaac ataaacagcg gtgactgtgt ccttcttcca agactgtncc 240
 agggcctgga acaagtgcc aacccagagt 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

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<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 10563
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gagagctggc taccaggtg gtgcccgttg gaacaaagag aaanctgac tatgattaag      120
aactgaagc atctgcacag gagtcaagac cttgccctg tgcattccac gtgacgaata      180
ctgtgtgaag gaatggtaac gtgctttgag aacattcctg atgccctgtc cacgnggacg      240
gtgcnacagg caaaaccct ctctaccga gggaggcttt ggctctctca gcctggtnca      300
gtcaccaggn cttgaacaca tgtctcgggt gctgtaattc cggacactgt gtcagcaaac      360
ctctctgctt gccagggaaa ggcacccct ctcccttcca ggagtcagaa atccatcttt      420
caaggctc                                         428

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<210> 10564
<211> 502
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

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<400> 10564
gtgagttgag ctgctgagac ccacaatcac tgacatacgn gcacacngca cacacacaaa      60
ctaattgtct tttctcaggg aaagagtcca tacacagtga aggcaaggcc catgtctgag      120
agcatccact gggcctcttc cccccactcc ctacccacaca cccactggat gtccacaca      180
gtttgcagaa cttcagaatg aatgattcct ttcttcctac ctgccttagg acctacttat      240
ttgacttctt acagccttag gcaaattgtt aaccactatg attaattggc cagtaagaca      300
catttaacgt aggtcataat atacaccgtt ttgttttcag aaggataggc ttatttgttc      360
aaggagttag aattttcaag cacagatgct tttcaactgt ttgcataatc caagtggaaag      420
tgagaaccaa cacttcttga acacccttg gccaggcact gtgccaggtg ctgaatttca      480

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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
 agagctttta 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
 accaccacgc gccctggtca agcccaatgc caacgatgct caggtcctca tgtggcggcc 300
 caagtacggg cagccactgg tgggt 324

<210> 10568
 <211> 224
 <212> DNA
 <213> Canis familiaris

<400> 10568
 gaaagtgagg ctaccacact acttgttgag ttccaagccc aagtctcaac ctctcacgaa 60
 ggtgcaggat tctgttggag gaagagtga aacatcctct gttgcatctg ctgccattaa 120
 taatgtgaat tcatccccctt 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 tgggtcaacac ctatgcaaga gaatgaaatc agtaaagaac cttatgacga 60
 tcatcagtct gattctaata atagaaagca tcctgaccca aacagtaagg aacccttaga 120
 ccctgacaac atagagctgt cagtgcagaa gaccagcttg aagactcagg ttcagtctgg 180
 gccttcagaa cagaccagga acaatgagat caaagatgaa ggactcaca aggctgatcc 240
 tcttgaaaag aaacccaaga agatgactct ggaagccgaa ttagaggaca taaagaaaac 300
 tcaacaacgc agtctaattg actggagttt cactgaacat tttaaaccga aagttctgct 360

tcaggttctg caagaagcca gtcagcaata cagggtggatt 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
 atgggtgccag tgctcatcgg ctgcccccca ggcaagcgcc tggcatttga catcacctac 60
 acgctagagt acaaccgcct gcagaacaag cactactttg actgtgtgaa tgttgacccc 120
 gagatgccct gcttcctctt ccgtgacagt gcgtgtccag tgccctcacc tcatttgttc 180
 actgtcctct gtccccacca ctggggccgc cttccctcac tgctcactca gttcctcact 240
 caacctctgc tcttcccttt ggtctttctca actctccttc ctcccctctc catcctccta 300
 attctgaggc taatttcttc tctcctgac 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


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tgctttatcc cttctcgccc agaggaggtg ggtgagttct ggctcaaaag acgagctacc 120
tttgacccca aggcctggag ggcccaatgt cgttgcaaac acagtcatga agaccacgca 180
gctacggggg cccatccctg caggataaaa g 211

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<210> 10573
<211> 475
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (356)..(356)

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<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

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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 cccttntctc      360
gggtttccag cagagatgga ttacattcca tgtgctgtgg tgcattttng aggcaaaaca      420
agtagattgg aatcaatact ggttccaaag ggcagagact aaatgtaaca cccac          475
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<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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gactgaagta agtcctcccg agaaggaggg caagcgggaa gacgcagccc aagggaagtt      60
cacaggcagc ctccagataa atgacacgga tgagacgcct gataaaactg ctgcggccag      120
tatcaaagcg cccttgcgac cgagaaagca ctactccttc acggaagcca ccgagaacct      180
gcatctcggg ctcccggcct tgggcggggc 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
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<210> 10575

<211> 350
 <212> DNA
 <213> Canis familiaris

<400> 10575
 gcagccacag agattcaggc ctggtggcgt ggcaccctcg tacgcaggac actgctgcac 60
 gcagctctca gtgcctggat cattcagcgc tgggtggaggc tgaccttgga gagcctgctg 120
 cagaagaagc gaaaggcagc cttgggttacc tacgcaaata cagagagggc agtgggtcaag 180
 atccagtctt tgggtccgtat gtggcgtatc cactggcgat actgtcaggt gctcaacgcc 240
 atcgaatgtca tccaatgccca 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
 atgtggctca ctgccagcg atactgccgg ttgctccacg cggtcncat catccaggtg 60
 tattggcgct ggcataattg ccacaccggt ggctttttcc atggcagcta tgacctcagc 120
 gcaacccatc tgggacttga acttgagatc nttctgggggt cacagatatg tcggattaca 180
 gactgcatcc ccttcccaat aaag 204

<210> 10577
 <211> 178
 <212> DNA
 <213> Canis familiaris

<400> 10577
 tgcgcagccg ggtaagggac tggcagaaag ggtcccacga actggcgcgga gcagggggccc 60
 gcttaccaag atgagctgca catacccccc aaggaggagc cacttccttt ttcttggtg 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
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 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 gggagtgtc atgtcctcgg tctacgggag gcgcatacac 180
 cagcccgtgg agcccctgaa ccgggaccac ggccgtgcc a 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

tgccctgtcaa ctgtgtttccg taatcagcct ccccttttga gtctgaccag gtcaaattcca 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 atagtggctn cccattccta cagagcacac agaaccccc caagccacag 180
 cactngtggg gcaatggggg ataccaccat gcattcttaga actctctgct cttggaacac 240

ngtggacctg cccctagtca gggcaccctt ctgacttttg tgagccagca ctgtgtgtgc 300
aagttcttgg tccactgttc tgtgctctgg gcgtggctag gtaccttcat aacctgtcta 360
ggagccacca cccactgggt ccttcctttt gtcatgaatc tcaacatcta tggaacnaga 420
tactcctcca catattttat gt 442

<210> 10582
<211> 336
<212> DNA
<213> Canis familiaris

<400> 10582
gtaccctctg tggacagatt ggccacaggg gatgttgaag caacactagg atgtccagct 60
tccagctttt gcttcttctg ggaagccttc cctgattttc cccaattggg caggaatgac 120
caggcagcaa tctgatggac acagcatgca cctgagatca ttgatcctga ccatattctt 180
gtgaagttgg ttttatcatt tcttctcgaa tatgagaaga tggctctcaga ggaaggacct 240
ttgaccaagg gcagcaagcg gatatgcgct gagccgtgat tcaggcgag 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 ctgcaaacad ccagtgcaga gtgtctcaat cgaatgatca 180
attctctggc cacttgtcat gaccggcagt aaactaacia acaggaacag gctagaacia 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
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 cgggatgcta ctctcagcag cccatctgct ctttggccgc taccacatgc tagaggggca 120
 ggaccccagc caccagcaaa gccccagag gcaactgctgg catcgctcctg tgaggatggt 180
 tgaacagtgt tcaccaaca gaataccatg caaccagatg cagcacgaaa agaacaagtc 240
 tctccctgta tccagtgttt tctgtttgag gaaagcccca tgctgtgcag gattattttg 300
 cttctgctga ttcctcactg cacggctggc atcttcccgc aggtcttctg aaatg 355

<210> 10586
 <211> 57
 <212> DNA
 <213> Canis familiaris

<400> 10586
 ttgttacct 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
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 gaacaacaac ggctcttgcg tgcataattc agtgtttctt ttgtcagaga atccagcaga 120
 gccgcaattc gtccagggcc agccctgagc tgagcgagga gtgnccagcc gagatgggtga 180
 agatgncnaa atccaaaact ttccaagctt atctgccaaa ctgtcnccga acgtncagct 240
 gtgtccactg cagagnccac ctggccaacc ncgatgagct gatctccaag tcttttcagg 300
 gaagtcaggg acgagcctac ctcttcaatt ctgtggtgaa cgtgggctgc ggccccgcgg 360
 aggagaggggt ccttctcact gggctgcacg cggctgcaga catctactgt gaaaactgca 420
 agaccacgct cgggtggaaa tacgtgagta nccgggcccc 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 ttgttacctg actcatgtgt ccaagggggc 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 ttcattgtaa 60
 ggaaactgac atcacctgag ccattctgct tttctgtcaa gcaactgacaa 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
 ttctgccaaag aaatgccctg tgactacctc ctctctaatt tttatgacct tctcatacaa 60
 caaacaccaa tccagttctt cccttccctt tttcagccca tgggtaatta ctcctttgag 120
 ggaaaattca agagcctcaa agataaagag tttgaggaaa atgaccctag ttctcccagc 180
 aaccctgctg cttccatcta cactaacctg aaagttgcc aatatctctgt tctcgtgaat 240
 gcctatagct tagataagaa tttcttttat gccaaatcgg ctgaggctgg caatcatctg 300
 actgtgggtt tggatgtacc tgccagagta tcccaggttc aagtgtgac 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

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agccagaagt tagcggttccc 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 tgagtgtgcc accggcctgg ggttctgcac tgcaattcta gtggctcggt      300
ctttaaaatc ctatctccga ggtactgata cgtagcattg cttcttctgt gctgaccccc      360
ttgtcatggt tttgtctgct ctcgaaacct gagatTTTTT ggaatttggt gcctcattac      420
actgggcttt acacacatga g                                     441
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<210> 10592

<211> 494

<212> DNA

<213> Canis familiaris

<400> 10592

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gaaatcctca aagtggcaat ccctagactg gcaaaatgaa aattcgcaat ctctaaagtc      60
acctaattta gagcaacaaa acaaaagctt gcaatctcca aaacagaaag cccagacca      120
gcaaattcaa ggccaacaat ccctaaaaag gaaatcccta gaccagcaca tcaaggattg      180
gctatctcca aagaggcact ctatagataa gcaaattcaa 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
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<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
 aaaatccttag gggctatgca gatcctatctt ggagtgatga acttttcttt tggagtcatt 180
 ttcatcttca cncctgaaaa tccataccca aggttcccct ttatatctat ttcaggatat 240
 ccattctgga gctctgtttt gttcattaat tctggagcct tcctagttgc actggnaaga 300
 aaaccacag gaactctggt gaagatgagc cgaataatga attttcttag tgccttgga 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 tgggcagtgcc tcccttcctt cggggcgacc 60
 tggcgcacct ggagcggagc gtggggcgcc tgcgcaccat gcaactcaag atgctgatgg 120
 acatagagaa ggtgcagatc cactttggag gctcgggtcaa 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
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 gcccgagcct agagaacgag tccgcactcg ttggccagga cggggcagat gtactttcca 120

cagcttcctc tgcatgttct ctgtccagca tcaatatttc catgttcggg atgaaacaga 180
 ngttacctaa catttaaagg aatgactttc tcctttcaaa acaaggagga atgtgcagta 240
 tcaaattctgg attccagaaa ccctggcaca ggacgaccct gtgtcccaaa ctttcttgcc 300
 aaggttccag tttatgccca cgaggcccag agaaggttcc ggatgtggcg gcagcttttg 360
 gctctgaatg gttttggctg caagaactac ccggtgactg atttactcct cgatttcgag 420
 tcttttttcc cccctccat 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 ttccttcctt ccatgagaaa gaagccagct ctggctgacg 180
 gcagcaatcc tgatggcgat ctctccagg 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

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tgaggaggagg aagtgatggg aagcccaggg gacatggaag ccccgcgaga ctgaagaagc      120
actttgagga actttcgaga acttgtttat acatcaggac tgctggcaag agacctctct      180
cttctctggc ttcgtgagaa ggggtgaggg cgcgtgcagg atggctgtcg ggagctaaaa      240
ccactcaaca ggtcacctag agcgactgat taagtgcctt gcaaattctt attatccaaa      300
cgtttatgtt cagactttct cgtgtacaga tgggtgctagt ccagatgaaa acaccaccac      360
acacgcggaa atcaagcgcg tttttgaaat gtatttccag ctcgttttct cttggtgttt      420
tatcctgttt ctgacttgct gtttctaagt agtatttgta gatctattcc ctactcggtta      480
ttg                                                                    483
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<210> 10599

<211> 319

<212> DNA

<213> Canis familiaris

<400> 10599

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gcaccatgca ctccaagatg ctgatggaca tagagaaggt gcagatccac tttggaggct      60
cgggtcaaggc cagcagccag atgatccgtg agctgctgca ggcacagtgt ctgagctccc      120
cctgctacaa acgggtgcca gaaacggctg actacacgta ctcgagcgtg cctcggcgct      180
gcggggggcag ccacacgctc acctaccctt accgccgcaa ccgcctgcag caccgcgtccc      240
agggcctgta cccaccgag gaggtccaga tcgcatgaa gcatgacgaa gtggatatct      300
tgggtctgga tggacatat                                                                    319
```

<210> 10600

<211> 363

<212> DNA

<213> Canis familiaris

<400> 10600

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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 gctcgggtctc tgttccttgc      240
attctagctc ccgggtccca tcagcattcc atggctatgt ctgatgttcc cttcaaattgt      300
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gccttaggga tgcctgactg gcccagtgt cctagtggag cacaggactc ttgatctagg 360
ggt 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 tccaagaaa aactctgaag atgattcagc cttctgcagc 60
tggatcactt gttggaagag aaaatgagtt ggttaaaggc ttgcccaaaa ggaaactttg 120
gaatgaccag ttaacatcta aggcttcag ctcaggagtt gtcactgtcc cagaacatag 180
tgaaaataaa aatTTTTTTT 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 agaaagtga agctgactgt ccttcctacg cacagaagta tcagctgccc 180
gatggccagg agatcacctc 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
 tttttggaat tcagtgcgat ctgtaagtcg atgtcgaagc aggagtttaa gtcccatctg 60
 cccccgtagc cgtattgggt taagcacgct atctcgaagc cggagccctt ctccaataag 120
 atgtggattg ccaa 134

<210> 10604
 <211> 343
 <212> DNA
 <213> Canis familiaris

<400> 10604
 gacatggtca acaatctggc tgcctcccg cctccaaga aagccaagct ccagagccag 60
 gacgaagagc tgctgggcca cgtccagagt gccatcctgc aggtgcaggg cgactgagag 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
 aacttggaact ttctattact gccaaaaaaaa tcaggaaca tctatcttat gaggattgga 180
 actacaagat gcaattaaaa ctctgtaatg tgtctgtaaa agatatacca aagaacatca 240
 aaactggat 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
 tggattgcc a aggttttaag gccacccnnc nngttccttt gccacagtac atctgcaaca 60
 gccaaactttc 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
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 cgtgtctatg atngcagccc tctgtatcgg caaccgccct cnaganccct nggggcctac 120
 ctgtgtctaa ggcccctggg gctcccgga acagcaccgt acctactgcg actggacatc 180
 ataacggtcc cncattccta cagagcacac agaaccctcg caagccacag cactgntggg 240
 gcaatggggg ntaccgccat gcctttttaga gagaaatctc cactcttgga acangtgggc 300
 ctgcccctag tcagggcacc cnnctgactt tgggtgagcca gcgctgtgtg tgcaagttct 360
 tgggtccactg ttctgtgctc tgcgcatggc tggggaacct tcatagcctg tctaggagcc 420
 gccaccaact gnttcctttc ttttgtcatg aatctcance tctacggaac agacattccc 480
 ccacatatcc 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 catattgccca 120
 aggagtatgg gctggacaaa ttctttcaac atgaaacact atttgaaaat aagcctcttg 180
 ctcaggggtcc cttaaaaggc tttctggaag atttaggcag actgcaaaag aagttttatg 240
 ccaaagacga acggttactt tgccctatca ggacctacct ggttacagcc aggagtgcag 300
 ccagttcagg cgcccgtgtg ctgaaaaccc ttcgccgctg gggctctagag atagacgaag 360
 ctcttttctt tgctggagcc cccaaaggct ccattttggt gaagataagg cccacattt 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 cctcaaattg 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 cagtgtgac 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
 attttacgga cagattccct ggcagaagtt ctccagtggc tgcttcatgc aagctcaaaa 60
 gaaaaagagt ggatctcagc tttgattcat gctgaactgg ctgaaataaa cttgttggct 120
 aacgaaagaa gcattctcagc agaactagca gcagagnata ataagccacc caaagttaaa 180
 tctcccccca tattcacctg caaaaaagtg ctgaccaa at cgagggaagg acatcagcca 240
 accagagtgt caagtcaagg atctgaagga aataaggaag taccaaaaga ggctgagaac 300
 aggccctcat tgtttatcag aagaaataag atgaaaatac ncgttgcaga ctatttcagc 360
 aaaccaaagt ctctctcag 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 gaccacaaa aagaatgtgg aaaactgcaa aaaactacta 300
 aaaaaactgg gaaggtagag caatcaaaaa gatatagcaa attatactct aagctgcaat 360
 ttacgagaag agctggttgc ngctctccgaa aggaaagaga tctgtaatgc agtggggtct 420
 aaactgactt gtgaaaagat tgccaaagaa cgatatgaaa acatgatgga acaacaaaag 480

ttaacaaata ttgcaaaaca acaagctgaa caaatittaa tactgcagac tgaacttgaa 540
cgattaagga tgaaaacatt tcctgcactt gttcaaattg aa 582

<210> 10613
<211> 583
<212> DNA
<213> Canis familiaris

<400> 10613
tctggccacg accacattgt ggtgaccggc cctgcggggc ccgaggagct ctgggagctg 60
gtgtgggagc acggggccca tgtgtgtgtc tccttgtgcc cgcccgcacac ctgggagcag 120
tcctggccca cggagacgca gccattgtc acagagacag tgacgggtgca gtgggtggcg 180
gagagcgtca cggcgggctg gccctgcacc ctctgaggg tcacgcacgg ggagagcaag 240
aaggagaggc ggggtgcagag actgctgttc ccgtgctggg agccggggcg tgagctcccc 300
gccaccacca tgctaccctt cctggctgcc gtgggccagt gctgctctcg ggacaggacg 360
aagccgggga ccctgctcag cactgcagc agaggtgtgg ccagctggg 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
agcaaattgt agttgatcta cgaatctgtc atcgcttgcg aatacctgga tgatgcttat 60
cctggaagaa agctgtatcc atatgatcct tatgagcggg ctgcacaaaa 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
gcatgttttaa accgttgtat taacctgctt cttttgtatt taggggtttt cattcatgga	180
ttattttctgg atggagcttc ctggaataga aagatcaaga aacttgcaga atcacatccc	240
aaaatttcttt atgatacgat gcctgtgatg tggctaaagc cctgtaagag ggcagacata	300
ccagaacgac caagctatgt tgctccactg tataagacaa gtgagcggag aggaacatta	360
tccaccactg gccattctac aaattttgtt attgccatga ctcttcctc tgatcaaccc	420
atggagcact ggattggacg ggggtgtagca 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 ctgactgaa tacattacag aaccagcagg gcaatgcctt	360
ccagggccct cggaagcag 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
gtgtggatcg ccctatacaa cctgctgcta agccccgaag cccggacccg ctactgcgtc 60
accagctttg ccaagggaca gctactcaag cttcgggcct tcctcacaga cacactgctc 120
gaccagctgc ccaacctggc agacctgcag ggtttcctgg cccacctggc cctgacggaa 180
accagcccc caaagaagga cttggtgttg gaacagatcc cagaaatctg ggagcggcta 240
gaaagagaga acagaggcaa gtggcaggct attgccaagc accagctgag gcacatattc 300
agcccttcag agcaggacct gcgactacag gcacgaagat gggctgagac ctacagcctg 360
gacgtcctag aggcagtaac cccagagcgg ccccgcgtgtg cctactgcag tgcagatgcc 420
tccaaacggt gctcacggtg ccagaatgaa tggatttgct gcagggagtg ccaagtcaag 480
cattggaaga agcatggaaa ggcttggtgtc 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
 aagggctcag acttttcctc ggcagcagta ctggcctctg tatcagtcta tgcctcctng 60
 ctccccaagt caggctcggc ctaggacaca gtcattggag aggaggcatc aggggtctgaa 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 ccattctctaa cttactcctc tcattctctgt 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 tgggttcaggg atgtgaaaac atgtgcccat ctatgaatct cttctcccat 240
 ggaaccagga tgcaaattat atgttgctcg 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 cctgaagggtg ctgggaactc caagcagagg aaggactcct gccattagca 60
 tggacnacat gcctccttgc ctccccctgc cttctctcgc cataacccta ctcaagagaa 120
 ttgtgagctt ctcgagagaat ctagaatgta tcccattacc ccg 163

<210> 10625
 <211> 218
 <212> DNA
 <213> Canis familiaris

<400> 10625
 gtggctgtcg tacgctctaa tctttggcca ggggcgtatg cctacgccag tggcaagaag 60
 tttgagaaca tctacattgg ctgggggtcac aagtacagtc ccgacaactt caaccacccc 120
 ctgccagccc ccattcagca ggagtacccc aggggcccag aggtcatgga gatgagtgc 180
 cccactgtgg aggaggagca ggccctcaag gcagccca 218

<210> 10626
 <211> 184
 <212> DNA
 <213> Canis familiaris

<400> 10626
 gacagttaga acttgtttcc tcctccaagt cagccaacaa gaggtgtca gagactgtgc 60
 ccagcagaac aataggggag ccaagtggcc tagatctact gtggactacc tgtttgctg 120
 tgtgtctgcc cagctcttta cctcgttctc atcagtgacg tctaccattg gcttggcaat 180
 caga 184

<210> 10627
 <211> 96
 <212> DNA
 <213> Canis familiaris

<400> 10627
 cctcccccaa gcaggtagat agcagctttt cccttacaca ttgttagcaa tgcgttggtt 60
 ttttcacggt tgttttgatt tctgccctg 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
 caaaaggccc aaatcaagct ccatttgtcg acgaaggcga ataatactca gaatatggaa 60
 aggatgaagc aaatagaaac ggaattgagg cagatggagc taattaagga tcaatatcag 120
 aaaaaaaatt atgaacagtc cttgagtatc cagaagtctg 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 aaaaccgggt 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

aggttcgcac 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
 aagacacccg tgggtccaata tgatacctct acgggatttg gcctggttct gacaactcct 60
 ggagaaaaga gaggctcggg gagcaaaagc accgagttct acaacgagtt atggttcatc 120
 gtgttaatgg ccgtgctagg cctgatcttg ttggccattt ttctgtctct gctactccaa 180
 aggaaaatcc acaaggaacc gtatatcaga gagaggcctc ccttgggtgcc tattcagaag 240
 agaatgtctc cgctgaatgt ctatccgccg ggggaaaccc atgtgggatt agccgatacc 300
 aaaatcccc 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 gcccacacgc tgtggtgctc tttgacgagg 120
 tggacaaggc ccatccagat gtgctcacca tcatgctgca gctgtttgat gagggccggc 180
 tgacagatgg aaaagggaag accattgact gcaaggatgc catcttcac 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
 aggcagtggc ctccctgcgc cagatgcagc gcaaagccac ctgggagaag gagcggaacc 120
 aggagctcag gcgcttgcga gatgaggccc ggaaggagga ggggctgcgg ctgacccagc 180
 gcctgcagga gctagagagg gacaagaacg ttatgctggc caccttgcag caggagggtc 240
 tcctctcccg ttacaagcag cagcgactat tggcagttct tccttcctc ctggataagg 300
 gaaagtctgt ggagtccagc cccagggacc caggggtcttc agcagctgtg cctctggcag 360
 caccaccac caggaggtcc 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 tgcgagtgtc acgaggccaa 180
 aattatgtgt tcttctatct gcaaatgcat tggttgcaaa aattatgaag aaagcccaga 240
 acagaaaaca ctaatgaaca tgcccaacta tatggaaatt ggagggtttg aaggcaacca 300
 tcatttgtca ccaactaaat tctcaggact accaaaattc agaaaagata ggcagtcttc 360
 ctctgtcatc tcctgggagg tggaggaggc cacgtgcgcc tntctgctgg ctcagggtga 420
 agaggccgag aaggagcact gctccgagt 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 tggtaaacc tgtggactac ttccctgtct 240
 gtngtgggtgt ggggtgtttaa gatgggagag atgagagccc tctcaggcca ctctgctcag 300
 tgcgacagag tgacaaggat ggaccatgga tgcgctatct gcctgaatct gattcttcag 360
 ggggtgcagac tgaggggtgc tgagcatgag ctgggaaaag gtttgtggac ctttgcagcc 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 aactagtgt tgagctttgt 120
 tgcagggtta aattggtcca cagaaaagg tagagtccaa agaattatta aaactacatg 180
 gcatgttttt caacccttc tttttggttt ggttggatca gaagtatctg ttgcatctct 240
 taaatcaa at gctattggca tttgtgttgc taccatgagt ttggcattat tgattcgaat 300
 ttctttttaca 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
 gaagtggctt ttgatttcct cgggcccgtt ccaggacagg agggcccatc tatttcagcc 60
 ttngctncc gcctctgctt ggtcccagct gggggcagca caaacactga gcccgaagca 120
 catccaggtg gtttgtgtgg gcagctggga ccaggtgctg acagcagggt ctacagcgctc 180
 cttccctgct gctctatctc ttgtgagggc tgcctggcca ctgcctctcg ccccttctcc 240
 aaggggctgc accaagcatt ctgactgctg gggctgcctc ctctcctctc cataaagttt 300
 aagccactat aggcattctt tctggttaaa aaaaatctat taaagtttga ctatttgata 360
 tttttatagt gattgccaac tttaaaaagt aggctgtttg taagcactga tgcagt 416

<210> 10638
 <211> 549
 <212> DNA
 <213> Canis familiaris

<400> 10638
 cttcttttct tgatgcaggc acatctcatc gtgctaagca aaaaccctc tcaagaggag 60
 gcagcagtct ccgcacattt tgtcgccac 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
 gccaaaggccc cggaggtggc cgtgaaaccc aggcagaccc ccagagccaa agcggcgctt 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 cgatcgatcat 120
 ctctactcat ctgcaagcgg aaaatctcat gtgctggggg gtaggctacc acaaagccat 180
 gatacctatg ggaatacctg acataggtgt aataaatgat ggtaccgct gtggttataa 240
 cggactatgt attaacagaa cttgtgtgaa tgattcagtc ttggatttta actgttttcc 300
 tcaaaagtgc aaccaccgag gcgtttgcaa caataaaaaa aactgccact gcatgtatgg 360
 ctggggccct ccattctgtg aggaggtagg gtatggagga agcattgaca gtgggcctgc 420
 gaggaagcag aaagaggagg tgcctacgcc agtacaggtc gtgtccatta tgtagtacg 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
gggtccccagt caaagccaag agcctcagcc atcgacctgc annntncaga aggaagagct	120
ggccagcaag aatcccaagc gtgctaacga agcctcccgc ttgcctttgg gacaaccctt	180
gatgggtcca gaaaagagag cctcctccac cagcaataat gagcatgagg aagggaatac	240
acatgtttcc ccgagagatt tttaacaagag aaacccaacc cgctactccc aggatcgctg	300
gccattccag ccgtgccaca ccgggagacc ctgagcggtt tagtccgctg ctaccaggca	360
ggcctccggg gctgcacgct gccagcaagg ctccgggagg aagggggcag 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 tgtgagtga 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 tgagggtggca tcagaactaa gcaacacaca gaaggagatg gatgacttga	60
ggcaacatatt agacaaatct ttggaagaga atagtagctt aaaggctctt ttgttcagca	120
tgaaaaaaga agcaaaaaat gcagacactg cggctacatt aaatgtgcag atcactggac	180

ttcaaacaag tgtgaagagg ctctctgatg agattgtgga attaaagcag catctgacac 240
 actatgacaa gatccaggag ctcaccaga tgcttcagga gagccacagc tccctgggtca 300
 gcaccaatga gcatctcctg caggagctga gccagggtgcg 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
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 cagatgataa gatggctcat gagaccagct acagtgccca gttcaaaggg gaagccaata 120
 agccgacacc agccgacaat aagggtcatcg atcgcagaag aatacgcagc ctctacagcg 180
 aacctttcaa ggaacccccca aagggtgaaa aacctagcgt tcagagttcc aaacaaaaaa 240
 agacctcagc gacccataag 260

<210> 10645
 <211> 99
 <212> DNA
 <213> Canis familiaris

<400> 10645
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 aggcattgtgc aagtgtttat ccctcagttc agactagac 99

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 <211> 200
 <212> DNA
 <213> Canis familiaris

<400> 10646
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 ccaggcactt gccacaagt 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 atcattttctc tggatcttta 180

attactctga ggcattgtgtc ctatctccat cattaattgg ctatacacct tcatacaagc 240

<210> 10648

<211> 399

<212> DNA

<213> Canis familiaris

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 nctacttctc nctgagcncc tgtcccgatn aggggatagt gctgtgtgga gatgaagagg 180
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 gctccgcagg cccccacaca gattcttnaa gtggcccaa 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
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 caaaagaaga gagtgatctt acagagtaac cgactccgcg ctgaggtctt caaaaagcaa 120
 ttactggacc agtccttca aaggaacgcg gtctaa 156

<210> 10650
 <211> 503

<212> DNA

<213> Canis familiaris

<400> 10650

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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

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tccgtgtaac cacgtcaaca acgtccattc tttcatcctg tgatcgtgtg ctgagcccct	120
gtggtgtgct ggcccaggcc ccacggactt tgaacccagg tcgccctccc tccccctggg	180
gcgtccttct gatgcccacg atctcctctc tgggtcagcc cggaacgtga tgaccacagg	240
ctgaacctatg tcagggtgca cagcgatatc gcgctccaca acgctaaagt gtg	293

<210> 10653

<211> 527

<212> DNA

<213> Canis familiaris

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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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 ttncgccgatg gcgggagacg ggcncagta cgtgggtcccc caggcgtagc ggttcgggctc 180
 gacggctggc gggcccctgg tgaacagccc ctatittttcc tctgggtggga atggcataaa 240
 ctttttagacg atctttctctc ctccctcctc ttaccttagc cctcagatcg gggctgaggg 300
 ctctggaact ccgggttctg taatcgcgtg gccggggggtt tggaaaacca aagttccgac 360
 caggtcacag acagaaaacg gcaagaccag gctcatctct tgaccacnt gtgtcacaca 420
 ccccgacccc cacacacacg cctccctcgc accngtacc cccgcccccc acttgaccac 480
 atatgcacct gtatttagct gacatgagtg atttttgttt ctgttgt 527

<210> 10654
 <211> 123

<212> DNA

<213> Canis familiaris

<400> 10654

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gattcgactg ccaatcacac ttigacttgc gccaaaatac tacctaccag ctgtttgtca	120
aag	123

<210> 10655

<211> 578

<212> DNA

<213> Canis familiaris

<400> 10655

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cattcttgcc agatagcctt cttattcacc agagaagctg caagctaaag ggtgataggc	120
ccagagcacc aaacccacc agttctgatg atcctgctgg tccaagaaa gcttctagt	180
gcatcccagc tcgaccaaag actctcatct gctacatttg tggtagggaa tttggcactc	240
tgtcccttcc cattcatgag cccaaatgcc tggaaaagtg gaaaatagaa aatgaccggc	300
tccccagga gcatcgccga ccaactccac agaagcccca gccactttca actggactgt	360
ccaaccaaga agggtaact caagcacagc tgggtgccctg tccaaattgc tgccggacct	420
ttgccccaga ccgccttcca gtacaccaga gaagctgtaa agctcaacct agtgggcaaa	480
aaattcagaa ttigacttta 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
agattcccc aagacttcag gaatatgaac tttctgagat gataagccag acaactggca	300
gccaaaggac gatcactata gagactgcct cagtctcatt gggtcagcag gaggaggagg	360
acactccttc cagcacacag gccctctcct gtgtgaattt tagaagtgtc ttccgctggc	420

taaggcagca agtcctctct tcactttctca 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

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 gttctgcagc atccaaaggc accagaagat aaaaactggt atccgagcgc cgcggcctgc 120
 agcacattct cagcacaagg aacaataacg ccctcagtct catccgcgga aaaaaactgc 180
 atcgcgctct t 191

<210> 10658
 <211> 485
 <212> DNA
 <213> Canis familiaris

<400> 10658
 gaggacacca agatctgagt ctgtagaagg cttcctgtct ccaagtcggt gcggcagtcg 60
 aaatggggag aaggactggg aaaatgcacg gacaacctct tcagtagctt ctggaacaga 120
 atacacagga ccaaagctct acaaagaacc cagtgcacaa tccaataagc acataatata 180
 gaatgcttta gctcattgct gtttggtctg aaaagtaaag gaaggtcaga agaaaaaaat 240
 actggaggaa atggagaagt cagatgccaa caacttttta atcttggtcc gggattcagg 300
 ctgccaatcc aggtctttgt atacttattg cccagaaact gaagaaatta aaaaactgac 360
 ggggataggc cctaaatcta tcactaaaaa aatgattgag ggactttaca aatataattc 420
 tgaccggaag cagtttagcc acatacctgc taaaacttta tctgccagtg ttgatgcgat 480
 tacca 485

<210> 10659
 <211> 132
 <212> DNA
 <213> Canis familiaris

<400> 10659
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agcaattgca gaaagttttc aaacagtagt gaaaactgtg tcattcaaga gagctctaaa 120
ctggaaaaga aa 132

<210> 10660
<211> 367
<212> DNA
<213> Canis familiaris

<400> 10660
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aggccaagca aagagaggtc ctgcgacgca 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 caccacctg cgccgcggcc ttgggacata 360
ttgttta 367

<210> 10661
<211> 372
<212> DNA
<213> Canis familiaris

<400> 10661
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agcaaaggtg ttgaggggaat taaaagtaat caatgcctca aatgccaacg tgaagcagtg 120
cctgtggttt gccatgcaag aatacaacaa agagagttag 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
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gataaaaaag caaatcggag gaggaaatit tatatctcac aactgaaaac agattctgag 120

ggggctatat taaatgttga ggatgctgcc actcggctcc atcttataaa tcgatcagct	180
ttaaaatctg tacaagctca ggctaggata ccagggtttc agaaaggaga agtttcaaca	240
ttttctcctt ggggagaagt ttgacacct 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	
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gagccatcgg gaggcctgga caagtcttct gttgctgctt ctaacaaaaa ccctcaaat	120
aaatgatgaa aagtttaaag cacacgcttc tatgtactac ccctacttgt gtgaaattat	180
gcagtttgac ctgattcctg agctccgagc agttctgctc aagttcttcc tacggatagg	240
tgttgtatat aaaatatgga ttccagaaga gccatcacag gtaccaggga cgctgtcacc	300
agtgtggtag ccctga	316

<210> 10664
 <211> 412
 <212> DNA
 <213> Canis familiaris

<400> 10664	
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gaatgcgatg aagaactacc gattaccaag cctaacaatg cctatgaatt tggtcagatt	120
ataaatgcta ttagtatgag gaatgataaa gaagcctgtg cacacctttt agccatcact	180
gaacccaaaag atttgccagt gttgttgagt aacaaacttg aaggggatac gttcttcctc	240
ctcattcagt ctctgaaaaa taatcttatt ggaaaagatc cctcactggg gtatcagcat	300
cttttatatc tgagtaaagc agaaaggttc atgatgatgt tgaccctaata tagcaagagc	360
caaaaggaac aaattgaaca gctctttgat gatctctcag acacacccaaa ta	412

<210> 10665
 <211> 394
 <212> DNA
 <213> Canis familiaris

<400> 10665
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 gattgagagg atagtaaggc tgcagaaagc acatgcccg aaaaatgaaa agatagaatt 180
 tatggaggat catatcaaac aattggtgga agaaattagg aaaaaaaca aaataattca 240
 gagttatatt ttacgggaag aatcaggcac actttcttca gaggcattctg attttaacaa 300
 agtccattta agtagacggg gtggcattat ggcattctta tatacatccc atccagctga 360
 tagtggatta acattggacc tttctttgga gatc 394

<210> 10666
 <211> 488
 <212> DNA
 <213> Canis familiaris

<400> 10666
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 agctgaagat cgccagcaac ctttttgcca agggcttcag ggagaccgac tcggactcct 180
 ggactgtatc ttcccgaacc ctgctcagca ttccggcccg gagtcccagc agcctcagct 240
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 actccaggac atctgcccgg ctgcaccatc agctgctgcc cccccctgag gctctgctgc 360
 ctccagccac ctaccagccc ctcaactacc acggcctgta ccctggagcc ccaagtcccc 420
 tcagaatccc taaggcgcca ccagcaccat accccctgcc caatatccag gccggcagag 480
 atcaggac 488

<210> 10667
 <211> 401
 <212> DNA
 <213> Canis familiaris

<400> 10667
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aattcttcat tgaaaaatac aacaatgcta gcaatgacac ctacttattt caagtcgaca 180
 agctacttca aagtcagatg cagctgacga ctggagtgga gtatatggta actgtgaaga 240
 ttagccggac caaatgcaag aggaatagca caacaaaaaa ttcattgcccc 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
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 catttctctt ctgaaagagg agaacagccg gcagcagctt gctgcagaaa ggcgggtcca 120
 ggatgttata cagaagtttg aagatgagaa gaagcagctg attagagata atgaccgagc 180
 aatcaaggct ttaca 195

<210> 10669
 <211> 503
 <212> DNA
 <213> Canis familiaris

<400> 10669
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 gggacatcag atgccgaagt gaaagtgtct tatgcagatt atggaaacct tgaaactctg 120
 cctctttcca gagtgcagcc aatttctatc agccacctgg agcttctttt 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 tcttctctt aaa 503

<210> 10670
 <211> 199
 <212> DNA
 <213> Canis familiaris

<400> 10670

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 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
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 tattatgaaa tggagaccac agatctccca gaactgaccg ctg 103

<210> 10672
 <211> 265
 <212> DNA
 <213> Canis familiaris

<400> 10672
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 aagaaagtgt acgactggag actgattttt ggcgcaaggg agatcgtgta tggaaatgat 120
 aagcccgcga agccgccccca 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

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<400> 10674
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ctctatatca actgcaaagt gaatggacat cctctgaagg ctttcgtgga 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
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ggagagttac ccctgtgtgc caagc                                           505

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<210> 10675
<211> 337
<212> DNA
<213> Canis familiaris

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<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

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<220>
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<222> (139)..(139)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (250)..(251)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (278)..(278)
 <223> n is a, c, g, or t

<400> 10675
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 gaattgacac ataccacagg gaaaattgta ggcattgtag ttacaaatac agttccacac 120
 tgtaaggcat cttattctnt tggatctata gaaatctctt tcatacagca atttacacga 180
 acagcatagt caatgactac agctttggac ttgtataaaa attttgtact ttaaacttaa 240
 tgaatagaan naagntgaga attntaaagg ttgnngancc 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 cgggtgcagaa tgcagatgcc ctncctctg 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

accagagga ggatccagaa ggaatacatt ttattctcag ccacactgcc taggcttattc 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 cgttgggtgaa 60

atgtcatcaa attcgacttc tcttgacta gtaagaccaa cctcttctac tgggtcaact 120

aagagcaata ctgataagag tctttcagtc aacagcctct ctcgggaaat ctttaattaat 180

ttccacaca 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 aagcggggtt cctccagcgg tttagacagat tctttgttta tcctgaaaga 180
ggaaaacaat gaaaaatacc tcagtgttga caatgtgagg gggcctgcag tcacggaaaa 240
gccagcttct acttcaggat tggatttcca gctagctcct cctgaagttt ccgaaaatga 300
aaaaggtaaa acagaaaaga aggaaacact aagccagggt 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
aatgaattg 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 aagcgggtctt gaagcagaaa aattgcaacg 60

ggaagttcag gaggcacaag tcaatgaaga agagggttaa ggaagattg gtaagggtcaa 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 tcagattttc tttggagaga 120
 acaaaacaag ttttaagacag gcccaaattg tacaacgatt ctgtgcaaac ctaatgggtga 180
 agctgttgcc tgggtacactc 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
 tccaatagc agcccatggt gccacagtcc caatgtccct gcacatccct actgtcctct 480
 gattgaacct tgcaataact gcacggctga aagcagctta gatagacagc ctaggcctca 540

<210> 10682
 <211> 482
 <212> DNA
 <213> Canis familiaris

<400> 10682
 tgaaaagggtg tcttcactgg gaccctctg cccgtttgac cccagctcaa gcattaagac 60
 acccttggat tagtaagtct gtgcccagac ctcttaccat tgaaaagggtg tcaggcaaac 120

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gggtggtaaa tcctgcaa at gctttccagg gactggggtc caagctgcct ccagttgtcg 180
gaatagccaa taagctcaaa gctaatttaa tgtcagaaac caacggtggt atacctctgt 240
gcagtgtact gccaaaactc attagctaac ggacagtgtc gtgctcagag atgtatatgt 300
atgtatTTTT aattatcctg caaacctgaa catggggaga aaatacaagc ccattggtgg 360
atatgtTTTT gttacactag atttctTTTT tttacaagg caaaacattt ttatatgact 420
gtaacagaac tctccaaggg ctaattacct aaccagcctg tgttggccat cctggaatgt 480
ac 482

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<210> 10683
<211> 559
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (66)..(67)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

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<220>

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<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
 cagaanntta gtcnctggg ncctgtngcc tcttcaaaag gacagattta tcncaaggcc 120
 ggcaggatca tccggatgcc acctgagtgc tgtctccctt cccancttct tatgtggccc 180
 accagaaata agaacagggt 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 ccttttgaa 559

<210> 10684
 <211> 483
 <212> DNA
 <213> Canis familiaris

<400> 10684
 ggatacacca aaagggtcct gcttatttat gatggcattc actatgatcc gcttcagcgg 60
 aacttccctg acccagacac cccgcctctg accatcttct cctctaata ga tgatattgtt 120
 cttgtacaag cactggaatt agcagatgaa gccagaagaa agagacagtt tactgatgta 180
 aaccgcttca ccctgaggtg catggtatgt cagaagggat taactggaca agcagaagca 240
 aggaccatg 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 ggatcagtg cggcgcttct acaacttcct 60
 catggcagac aacatgaaga agatcatcct ctgcacagg caagctcttt ttggagacca 120
 tgtaagaaa cccagagcc tggaggacac agacttgagc cgtctctaca cagccacgtc 180
 cctgatgcag atcgatgata acgtgatgag gaagttccat ggctacaact ccctgaagga 240
 atattacgag gaggaaagct gcatgcgata cctgcacagg atttatgtgc ctctcatgct 300
 ggttaacgca gctgatgatc cattgggtgca cgagagcctc ttaaccattc ccaaattctct 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 atancctcaa 120
 aaattaacat cctttgtaat ttcntagtc ttccaaggta taccgctttt tacttatttt 180
 atttacatth taaatatgcc cacttagcaa ttggaacaag ttaaattggt cttgattaga 240
 agtagtttgg aaattttgct cctttgtttt cccccctgt gctgacttga gtcgcccggg 300

gccgcgtttg cggaacttgg tccctgtcca gccttcccgc tggacctttt ccagagactc 360
 cctttgaagg cactttgtcc agaaatgaaa tactgtcaca gtggattact tcagcgcctt 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 acaagtaa atctagtgaac aatactgtcc 120
 ataagaaaaa acagcagtga aaagagttct gttcttagcc cacctttttc agctggatca 180
 ccagtacact catctaaaag atctcatatt tcaaagattc aagataaaaag tttggaggaa 240
 acatcgagta tctctaccag tgatttatct ttattacatt ggactgagga aaaagaaaat 300
 catatagatc aaaatggtat gcataattct aaagttgtaa agagggatca ggacatgtct 360
 ataaaactta aaacaagaac tgggtggcaag tcttcagaaa aaagccagtc acctcggaca 420
 tctcaagtga gttcttatct gccatcta atttgtcagaac 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 cgcattccgtc agctggaagg tgattttaac 120
 ctacttgacc ctgcggggaa cccaatgga ttgtttgagg cacaactgga ctggaagtct 180
 ttctaccagc cccagagag 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
 tggagaaaaag acagcctaag gaaagatatg gagaaagatt tgaaggttga ctcaaacatg 180
 ccactcagca attctagcca agaggtcaca aaagatctgc ttgatatgat cgaccacaca 240
 agcatccgaa ctattgaaga gttggctggg aaactagaat ttgaaaatga gctgaaccgt 300
 gtgtgcagtc gttgcgaaga ctgcgccctc 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

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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

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<210> 10691
<211> 544
<212> DNA
<213> Canis familiaris

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<400> 10691
gcttctatgg gcactacaga ggtcaattca agagtgaag tgctcaagaa taccgccttg      60
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 acttcctca gcgtcttgtc cactttgtgc      360
agatacagcc tccccgtacc agcaccacct accagcagaa cttctgccag ccatcccggg      420
gtggctactg tggcaacaac atggggctcag tcaccgacac actgcctgac ctcccaggga      480
tccaagacc caagctgctg cagcattacc ttcattgctgg ggtctctgaa tgtctaaact      540
ggtc                                     544

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<210> 10692
<211> 446
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

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<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
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 ggacactcat gncggctgtg ttccgggaac cccatccctg aagagcatcc tccaagagag 120
 cttttccctt tcattttgag cagtgtttcc aggtagcttc agcccagaaa cttcccagaa 180
 gcaaacgctc cccagtgtcc cttatctatc tctatgtgca tctcagagga ggaagagaca 240
 agaagggagg ccagagatcg tctttgtgga gacggttgga cagtgtcttc 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

gaatcctatc ctggctgtct gaggagaatg gggagaaaat ngggggcnca cagtgnngcag	60
ctaagagttt tgcaggcaaa cctgccctca aaacgttgca taaggtcctt aagtaccac	120
ccagctagag aaaggatggt ggtttgcagc cttatgtggg aagaagccaa gaaagatgac	180
aagcagaacc aagttcacac ccctgttgat gagagcacia 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 gattgtttgtg	120
aactttgacc tccctgtaaa ccaagcagag gagccagact acgagacctc ccttcaccgc	180
atagggcgga caggacgctt tgggaaaaag ggcctggcct tcaacatgat tgaagtggat	240
aagctgcccc tgctcatgaa gatccaggat cacttcaaca gcagtattaa gcaactcgac	300
cctgaagaca tggatgaaat tgaaaatatt gaattattgaa tattgaagac agaactttat	360
tgcttgtgaa atatcctagt ttatgtgaga ctgtcccagt gggtttc	407

<210> 10695

<211> 545

<212> DNA

<213> Canis familiaris

<400> 10695

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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

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<210> 10696
<211> 539
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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<400> 10696
aggagatcgc ccgtctgagg gccatgcagg agaaggccca ggactaccag gcggagcagg      60
atgccttgcg ggccaagcgc aaccaggngg ttgcagacag ggagtggcgc agaaaggaaa    120
aggaaaacgc gcagaagaag gtggagacag aggccaagct gcgcaaaagc cggctggagc    180
agggtggctct caaggagcat gctctggccg ttcagggtgca acgggaccgg gatgagttcg    240
agaggattct tcgggcgagc agagagcaga ttgagaagga gcggctggag gaggagagga    300
aggccaccgg gcgcctgcgg cacgccaacg agctgcggcg ccagggtcgt gagaaccagc    360
agaagcaggt gcaggaccgc atcgccacct tcgaggaggg ccggcgcctc caagaggagg    420
cccagaagcg gcgtgagcgc atcgatgaca tcaagaagaa aaagatcgaa gagctcagag    480
ccaccggcct tcccgagaag tactgcatcg aggctgagcg caaagccaac atcctgccca    539

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<210> 10697
<211> 539
<212> DNA
<213> Canis familiaris

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<400> 10697
 agcctccaca agtcagggttt gcaatcctgg gaagacattg acaaactaaa ttcattcccc 60
 aaacttgaag aagttagatt gtttaggaatt cctcttctgc agccatatac cactgaggaa 120
 cggaggaaat tggtaatagc cagattgcc a tcagtttcca aacttaatgg cagtgttggt 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 cgcccgaag agggacgtgt 60
 acgaccggt a cggcgaggcg ggagtggagg gcggcggcg cagcgggccc tgccacgacc 120
 ccttcgagta cgtcttcacc ttccgcgacc cggccgaggt cttcagggag ttcttcgggg 180
 gccaaagacc gttttctgcc ttcgacttct tcggagacc gctggagagc gtcgtgggcg 240
 ggcggaggag ctcccggggc ggcggcgggc gcagggggac 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 aagtccttgg 540
 tgataaatgg caaagagcag ttgctgcgcc ttgaca 576

<210> 10699
 <211> 390
 <212> DNA
 <213> Canis familiaris

<400> 10699
 gccaaagaaa acactttctg cggaaccctt 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 ttgaccacc attccggcct 360
aaagtgaaat caccgtatga ctgcagcaat 390

<210> 10700
<211> 386
<212> DNA
<213> Canis familiaris

<400> 10700
gatgttggac tgcattgattt cttaatcagg tatgtgtaca ttccggtagg cgggtcccag 60
catggcctgc tggggacact gttttccacc gctgtgacgt ttgcatttgt gagcttcttg 120
catggtggct atgactacct ctggtgctgg gcagcactca actggctggg agtcaccgtg 180
gagaatgtag tccagaggct tgtgcgaacc ccgtgcatcc aggacagcgt gattcagttc 240
ctctccccac aagcccgcg tcgattccac gctgccctcg catcttggtc 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
gaacagtgtg aacaacagtg tgcatttgac aggaaagatg atagaaagaa ggtagatggg 120
aaattgctgt gttggctgtg cacactttca taaaaacggg tccttcaaaa gaccaaagag 180
cagaggaaac atctgagcag ctcttcccggt gccagccacc aggagaagga acagtatcga 240
ctgagtgggtg gcagccatta taacagcttt tccccagacc tggctctgga ctcaccaggc 300
actgaccact ttgtcatcat tgcccagctg aaggaagaag tggccacttt gaagaagatg 360
ctgcatcaaa aggatcaaatt gatcttagag 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 cattgcccac cgctaagcga ggttatcccg 120
 aggtaacttt aacggactgc atgaggctct tcaccaaaga ggatgtgctt gatgggtgatg 180
 aaaagccaac atgctgtcgc tgccgagcca gaaaacgatg tataaagaag ttctccatcc 240
 agaggttccc aaagatcttg gtgctccatc tgaagcgggt ctcagaatcc agaatacgaa 300
 ccagcaagct cacaacatct 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
 gtgatgatct tgacgttgaa actaaaatgg aagagcagaa aagaaacctt ggatcttctg 60
 aacttggaga accaagttta gtttgtgagg aagatgaaat tatgaggtct aaagaaagtc 120
 tagatctttc aattttctcat tctcaggttg aacagttagt cagtaaaaca tctgaacttg 180
 atgtatctga aagcaaaaca agaagtggaa aaatctttca gaataaaatg gctaattggaa 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 agtaacatit 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 tacccttgca cgtctccctg caaccctgc aaccctgca 480
 gtcctttag tagccctgcagc cctgtgaacc cctgcaaccc ctgtgaccct tgcagcccat 540
 gctatccctg cgggagccga ttttctgtga gaaa 574

<210> 10705
 <211> 156
 <212> DNA
 <213> Canis familiaris

<400> 10705
 agtgacctgg atctgacctc acaccatcta cggggaccac ccaccaggca taccatgct 60
 ggagtaggct gctgtccctg ggagctccag gctatTTTTTg tgcttagtta ctggTTTTTg 120
 ccattgcatt gttatccacg gtgacaagtg acagga 156

<210> 10706
 <211> 162
 <212> DNA
 <213> Canis familiaris

<400> 10706
 gcgagagggc tatgaccgga gacaacaacc tgctggggcg tttcgacctg actggaatcc 60
 ctctgcacc caggggagtg cccagattg 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 gctattgccca 120

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ccgccgctgc cactgctacg gccgtgggca tttagaaaac ttgaaagtca gcactaaaag    180
atgggcagag gttcaacca cacctcctcc actttgcttc tgaaagccca ttattagacc    240
acttgtaatg attattccaa cccagttgtc acatctttgg ttcaaaatgg catgtctctc    300
caacaattta agtgctgat acaaagtcca aagtgtaatc atcttccttt cctc          354

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<210> 10708
<211> 507
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<400> 10708
gaagcggat tacttgggtc ctgaccggga gttgaagcac atagagaggc acatacaccg    60
cgtggggcag gtcagagagc tcaagaacaa agcagnccgg cacctaccac ggcctagtga    120
aacaaagttc cngaggatcc tgccagaaga gcgtgggtgtc 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

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<210> 10709
<211> 167
<212> DNA
<213> Canis familiaris

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<400> 10709

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gaaggaccca ggctatcgat tcgaactcct gtgctttgat gtcagagctt gtgaaaccaa 60
 tgggtggacgt 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
 cggattatatt cggggctatg tcccgtaggag agattcctcc agtgagagag cggctctgagc 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 ttcattgaatc agcattacga 60
 gccagaaca gaagacaggt ggaaaaaagg aaactgggtca 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
 ccatacctgaa agtgccttgt ggcctctacc cttcgaagtt ggaactnttc ctaataccca 60
 caggaagatc aaggccaaag gcaagttcaa ggccagactc tannacnann ccaaggctga 120
 ggcatgcctc atgaagacac tgagccttcc aggncccctg ccctttatca atgcatacca 180
 ggagctaggg ggcatggggg atgtgaggct ggagaagtcc ttgcttcagg cctcactgcc 240
 cctatcctgg atgcagcgcc aaataaaaag gaggc 274

<210> 10713
 <211> 259
 <212> DNA
 <213> Canis familiaris

<400> 10713
 aaaatatgcc aagttccctg aatcacagtc tttaaaatac aaaattgtgg aagctcagaa 60
 aaactcaaaa ccatacctct 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 cctatTTTTTg aaagcgactt tatccagatt accaagaggg gagaagtcatt 60
 cgacgtgcac aaccgggtga gaatggtgac ggtgggcatc gcatccacca gcccgatcct 120
 gccgctcccg gacgtcatgc tgctggcccc gccggccgcg ggctgcgagg agcacgggcg 180
 cggccaggcc gccaaagggca aaggccgcaa ggctgcaaag gccttggagc tcaccaggct 240
 ccttcccctg aagttcgtga ggatctccat tcacgaccgt gagaaacagc agctgcgctt 300
 caagttcgcc acggggccgct cgtgctacct gcagctgagc ccgcctctgc acgggcgggg 360
 agacctcttc gccactggg aaaagctcat ctacctctg cggccaccgg tggacagtaa 420
 cagcagcacc tacgccatcc cgnnagggga catgctgtgc atgcccaggt ttgaggaaga 480
 ggacgggagg agcgcggcag gggccgattt ccaagggaaa ggggatcagg accaggctcag 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
 atgacttcta caaacaggac cagtgaagaa attgaaaagc ttaaagcaag cagacaacgt 60
 ctcttgagg 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 taaagtgcatt 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
 tatcgggtgtg ggaaagaggg gcaactggta aaagagtgtc cagtagatcg tacaggctcg 120
 gtggcgggact 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 atcagatctt ccaggagcat gaaaaggaga 60
 aaaaacgcaa agctgataaa aaacatcgag aagttcgaga tgcccatatt cagcaaatgg 120
 caaaaaataa atttaattgca 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

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aagaggacca gcctcctggg agaaccttac aaaatcctga acctgcagaa gcgtctggag      60
cacctgtggt ccatgcttga ggtccctgac aaggaccggc tagacatggt catcaagtac      120
agctccaatg cccgtctgag tcagctgcct tcattagtga gtgcctggga gcaagtcctg      180
aagcccattc agctgagggg aatgtttgctg 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 cagggctggt caagaagctc      540
agcatccagc ctccaataac tcctgggaat actcctatta ct                          582

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<210> 10720
<211> 168
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (90)..(94)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (98)..(99)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (101)..(102)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

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<400> 10720
ctgaagtggg ggtctttgac cctcaagctt cccactgaat ctgatggacc ctccttgatg      60
acctgaataa aatgacagaa ccaaagtaan nnnnananna nnanttaggc tttattcttt      120

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tttgtacaga ctacattcta taagaaatac ctacttgata atttgaat 168

<210> 10721

<211> 541

<212> DNA

<213> Canis familiaris

<400> 10721

attgtggaca cgcagaactc tgacaatgag gaagacgac agtttgtggt ggaagctgcc 60
 cccccgctcc ctgagatgtc agaacttgaa atggtgcccc 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 cgctccccct 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 ctgagacaag acaatcta atcttaaaaa 60
 tactcctgca atatggaatc ttagaaagag aaaaaaatcc catcaacatt gtgataacaa 120
 tattgctcta cccttcaaga gtgagaataa tggttgatca tgaattggta gacatccagg 180
 aagatgccaa aacatgttta gtgctgtgtt ccagagtgtt ttctgccatt tcaatcaggg 240
 aaatagagac gcagctaagt ttaggaagac gtccaattat ttctaattgg ctggactaca 300
 ttctttcaac 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
 gaccccttcc taatgatgtt atacttacta tgaaactcca ctactataat gcagtgactc 180
 cacatgatta ccaaccccct ggtttttaaag aaggggtaaa ctcacacctc ctgctgttcg 240
 agggggagcc tgttaacctg caagtgggat tggctctccac tggttttcat agcatgaaag 300
 taaaagtcac aactgaggtc accagagtgt ctgatttgga gaacaatctc tttcaggaga 360
 acagcactac tgagattgct catcagggtc tagacttcga tgaggaagaa gaggaatgca 420
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 a 481

<210> 10724
 <211> 327
 <212> DNA
 <213> Canis familiaris

<400> 10724
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 ccaaaacttg tggatatagca 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

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attccaatgt gccctgtgcc agaagagctt cactcagctc gcccacctgc agaagcacca	120
cttggtgcat actggggagc ggccctatga gtgcctggtg agaccctcct tcccctcccc	180
tgtactcctg caggctgctg acaccagtgc ccattccac cagatgtgcc acaaacgctt	240
cagcaactcc agcaacctca agaccacct gcgcctgcac tcggggggccc gggccttcca	300
gtgcagtgtt tgtccacgtc gcttcaccca gcacgttcac ctgaagctgc atcatcacct	360
gcatgtcgca nggccttgtg gccacctgtc cctggcatct cttgcctgct ttgccgatg	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 gaatatatat caagctgcag tcttagaaga attacaggag	180
ttatcgaacg aagccctgag aaaaattcta cgaagagatc ttccagtgc cgcactctt	240
attgactggc aaaggatact ctctgacttg aatctggtga t	281

<210> 10727

<211> 540

<212> DNA

<213> Canis familiaris

<400> 10727

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gggtgacatg gttcacgtga aagatcttac caccaggct atgagatttg gactgctctt	180
taaccaggag tatacaactc attcagaaat cattgccgta tatggattct tctttgagat	240
aaaggggaatc aaacaggata ctacctctta tagtttttac atgcagagag taaggcacac	300
tgattttggag ttcccgtcct cggctctgtaa gcatggcccg gttagcctga gagcggagcg	360
cttggtgaag tacgagatca gagcccagac cctggtggac ggcaagtggc aggagttcag	420

gaccaatcag atcaccacaga agttcggggtt 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 ggtctacca tggatcttca aaatgggaaa 60

tttttgata atggtagttc tggatatatt ttgaaaccac agttcctaag agatagtaaa 120

acaccgttta gtccaaataa aacaccaaga tacagtaatc cagtgacact tacaataagg 180

ctcatcagtg gtattcagtt acctcccagt aaccattcat catctaaca agctgacaca 240

ttagtgattc tagaaacttt tgggtgttcca aatgatcaaa tgaagcagca gactcgtgta 300

attaaaaaaaa atgcttttag tccaaaatgg aatgaaacat tcacatttat tattcatgtg 360

ccagaattgg cgctgatgcg ttttggtgtt gaaaatcaag gtttaatagc cggaaatgaa 420

tttcttggtc aatatacatt accagttctg tgcataaaca aaggttaccg tcgtgttcct 480

ctgttttcta aaatgggcca gagtcttgag cctgctgcac tgttttattta 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 cttactgcc 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

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actactacaa tgcagctcca tgtcttatac cagcctcggg 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 ccttggtcaa ggactggatg aaggaatcag ctccaccatc 360

tttgtcatca ttatcgttgc ccttgagtg 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

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gcacagccag ttccctcagt gcatgggagg acagactggg tggccaagta cggcggccac 120

cggtaggagt ccggcagcca ccaataggag tctgatgtga agccccacag cattgctcca 180

tagagtccat gcaagtcccc tgtccctggg aaatgtctac agatgtctat ttccaatgag 240

ttctagaaga aaaatgtagt gggacttgg aaaagcaaaa accatctatt ttctttcttt 300

cctagaaatg aaatgcattt tcttagcatc agttgccac agtgctgata tatgg 355

<210> 10734

<211> 421

<212> DNA

<213> Canis familiaris

<400> 10734

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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
ttgggggaaag caaccgagaa gtccagcaaa gacaagagcc cgtcagactt ggggtccaag 360
gagggggcg g acaagcggaa gcgcagccgg gtcaccgaca aagtcctcac ggcaaacagc 420
a 421

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<210> 10735
<211> 567
<212> DNA
<213> Canis familiaris

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<400> 10735
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gaatggcttc atggatctaa taaaaagaac tatcaggatg tgcagagaca tgttcaacca 180
cctggggggca agggccttca gctattggac aagacccaat tagaaaaggt gtctgccaaa 240
gaaaccaccc aaacccccat cctctttcaa aactacaggg attcctggaa tggagaagac 300
acagattctg ggaaacaaaag cccttatccc gtctctgtgt tttcctggga cagtgaaaag 360
aatgacaagg actcctggag tcagcttttc actgaggatt ctcaaggcca gcgggtcatt 420
gccacaagt ctagagctcc tttccgagat ataactaaca accaggatcg gggcttaggg 480
cagtttctta acagctcttg ggctcagtgc caggagaagc ccactcagtt aaatctccag 540
cctgatttgc tctttacca ggactct 567

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<210> 10736
<211> 473
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (376)..(376)

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<223> n is a, c, g, or t

<400> 10736

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ccgtccgcat ttgtctcggc aagtagagga gaggctgcca cccatctaca aagttcggga	120
gaagcaagcg gtcaataaca acttccccctt ctctgtacac gacaatcggc atagctttca	180
gagttctgga tgctaccttg actctggcct gggacgtagg aagatctccc cagagaaaag	240
gcaacatgtt tcaagaaatt tcaatctctg ggcaggtgac tatgttccat cttgtcttga	300
tggtttttca aataaccaa tatcatatgt ctatcaagaa gttgtggtgg tcccaatttt	360
tagacgcttc ccaagntgtt ataatgagaa atggaactct tttaaattta ttcctcagag	420
aagctacaca gaatttttga aaaagaaacc aaaagtaagg ttgtctattg aca	473

<210> 10737

<211> 287

<212> DNA

<213> Canis familiaris

<400> 10737

gaacctccac cttatgttgt tcctgtgtca cctaagcttc ccaaacaaca 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

gaagtataa ctgcctcctt tgatggggaa actcactcag tccagctccc tccagtgaat	60
agtgccatcat ttgtctgctg ttttcttgag acctgtgtgc atagcttgca gtgtgataac	120
cttttgagta gccagccttt tagctcttac agacgtaata ctctagctcc tgcagagcac	180
gataaaaata atcctgggtc cttgctgggg tgcttgatag aagggtccag 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
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 atcttggggc gctgctggt agctaagaag ctctatgatg gaggcctgaa ttattttgag 120
 ggctacagcc ttgaaaactg ggtgtgcctg gcttattttg agagcaagtt caaccccatg 180
 gccatctacg agaacttgcc tgggtggctac actggctacg gcctctttca gattcgcgac 240
 tgggactggt gcgaca 256

<210> 10740
 <211> 73
 <212> DNA
 <213> Canis familiaris

<400> 10740
 ccctccggga gaagatgctg ccttggtata 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
 aggccctctt accaaagggtg tgtatgctct aagaattctg agcgctggta ctggtggcca 180
 agtagaacca gaaaacttcc gatgggccag tgggcttttt ccatggagaa cgttttggga 240
 ctgaacttac catggagatc cctgagtcca catctggtaa ccacagacaa aagtggaaat 300
 atcaactaca tgtccagctt cgaggatata cacattcaga aacctgctca atcgactcta 360
 attgaaactc tgtacagata ccgatctgac ctgcaaata tctttaacat cattgactct 420
 gatcactcag gcctgatttc catggaagaa tttcgtgcca tgtggaaact cttcaatagt 480
 cactacagca ttcattattga 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 tgttccttaa 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 acaccagga tatacacttt gttagaaaat tacacccttt	120
ggatcaagaa ggtgactgag atggagggaa gaccttttaa tgctgaggaa atgagaggtt	180
ctcccaatag gaaacaaatg aggtcccatg cagcagaatt tccagagcca ggaagccgca	240
gattctggct tctgatttca cttctgcctt acatgttact ctggggcatt 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 ccaaagcaa	120
aaggaacctt tatattccaa gattgcaaca gctgtttgct ctgtgggttga gaataccacc	180
aatgtaaagg agttgcagca gtcagctaaa gaagtgttca aaactgttca aacaccagtc	240
attctctctg cattgaatag tagtaacatn cttaggattt tggaatcttc tctttcactc	300

ttgatgaaat atcccgatcat 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 accaagggtt ctgtgcccaa ga	592

<210> 10745
 <211> 430
 <212> DNA
 <213> Canis familiaris

<400> 10745	
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ggaaatttgg accagtgact atggaaagaa ggatggattt atcctgattg cctgtggccc	180
agttctttgc tggagctggg gccattttgc tctaaccat atagtagcaa agaattgata	240
ctgggaagat aatcacaata taatgctgcc tgtctctaaa ctgatgttta tgctgcttct	300
ctggaattaa atgtggactc ttcctttctt tctgcttatt gaaatacttc tcattcttga	360
aggataagat aaggacttat ttttcttcta caggctaccc tctttgactg tctcatcaat	420
actttttcct	430

<210> 10746
 <211> 145
 <212> DNA
 <213> Canis familiaris

<400> 10746	
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caaagcctcc tgaaatccag aatcccttta tccgggtttc tttgcccctt acaagattta	120
tgcacacctc cacaggaaga cagtg	145

<210> 10747
 <211> 340
 <212> DNA
 <213> Canis familiaris

<400> 10747	
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atgaagagtc ttgcctaccg atcagtaaag atatttccaa aagaaaaaaaa caggaatctt	120

tatctgaagc agccagggat ccatgcgttt ctgcaaaaag aagaaaaaag ttccccaag	180
cttcctcaga ccaagaggaa acagaaatca actttacca aaaactgata gatttggaac	240
gcttactttt tgagagacat aaacaagaag aacaggacag gttattagcg ttacagcttc	300
agaaagaagt agataaagaa caaatgaagc caaacggca	340

<210> 10748
 <211> 507
 <212> DNA
 <213> Canis familiaris

<400> 10748	
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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
agagtgcctt gagcagggtc atggggagtg tatcactgac ttgtcctttg acatcactgg	360
ccggcttctg gcctcctgtg gggaccgggc agtgcggtt 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	
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tcaactgtgg aatcctctgg aacttagagg cctgacatca gcaacttggc cagaagtcct	120
caaaggacaa gccaca	136

<210> 10750
 <211> 313
 <212> DNA
 <213> Canis familiaris

<400> 10750	
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agaaggcctc cccctcccca aaacacccga gaaacgcggg gacctatta ttgagtttga	120

agtaatcttc cccgaaagga ttccccagac gtcaagaacc gtacttgagc aggttcttcc 180
aatatagagc cacctgtgtc tccaaggac taaccaggga cctttccaga gctcaaggat 240
ttccggaccg ttccaccagt tgtggaccg 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
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gcaccatcta cgggccctgg ttctcccctt acagctactt cgtctgcacg gaccaggaga 120
gccacctgga ggcctatagc ttgcagagg tgcagcggga cgagggcagg ggcgacagct 180
gcagccccga ggacctggct gagagcatct gctcgtcctc ttcttccca gagaacacct 240
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cccaggacat cctcacggcc tccaagtggc acccggccca gcagagtggc tacaagtgcg 360
tggcctgctg cgcagtgtac cccactctgc actccctcaa gagccacata anggggggct 420
tcagggaggg cttcagctgc aaggtgtact actgcaagct caaaaccctc tggcaaggag 480
cag 483

<210> 10752
<211> 325
<212> DNA
<213> Canis familiaris

<400> 10752
gggcgggagt ttaggtgtcg ccgaccctc agccccctc caggagacgt tcggagccct 60
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gggttgcttc tactttttcc cctggctgcg catgtggcgg agggaccgga gctcggcgca 180
tccccgggag cagaagctgg agcctctgcg aggcctgatg agctgtctgt caagcggcct 240
gggccctgcc cccagcgct cgggtcgcgg cctccccgc cgcacccca 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
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 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
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 ttagttgttg acacgccacc aggaactgga gatgtacagt tatccatctc acagaatatt 180
 cccatttcag gtgctgtgat cgtctctacg ccccaggaca ttgcattggg 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

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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 tgggtgctgc	469

<210> 10756

<211> 340

<212> DNA

<213> Canis familiaris

<400> 10756

cagaagactg gaggccacat gcttgggaatt atggctgggc cttctacgtg gcctggggtt	60
ccttcacctg ctgcatggca tcagcagtca ccaccttcaa cacatacacc aagctgggtgc	120
tggagttcaa gtgtaagcac agtaagagct tcaaaggaaa gctgagcttc ccgccgcacc	180
accaccagtg ttcccttcag catctgtcat gcgcggccca cacgggggggt 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 cccaccctc ccttggggct tgtggcaaag	120
atcctatggg tatcactggg agcccagttc ttctccatcg gacttgaatt cgtcagcttc	180
ctcctgctgc taatggacct gctgttcact gggaaccgg gctacgggct caagctgagt	240
gccttcgcgg caatttcctc tgtcttgta ggcctt	276

<210> 10758

<211> 367

<212> DNA

<213> Canis familiaris

<400> 10758

gtgccttcag cagcatctat gtcacccctt gggtgttact tggttccatt atctttcgaa	60
atattatagt agccatgatg gttactaact tccagaatat caggaatgag ctgaatgagg	120
agatgacaca tctggagggt cagcataaag ccgacatatt caagcggcag attatccaga	180
gggtctctgcc 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 cttagggtgga gttaatatga aggttcttcc	240
agcaccaaaa ttgaagatga ctaataatca tatttacaac aacaatggct atgggtgtaag	300
cattcttcaa ccaactgaac aattttttat 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 ttcattgaata atagctcttt	300
ttccctccta cagttggata gcgtcacctc cctgattcaa gcagccaaaa atttaatgaa	360

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tgctgtggtg caaacagtga aaatgtctta cattgcctca accaagatca tccgaattca 420
gagtcctgct gggccccggc acccagttgt gatgtggaga atgaaggctc ctgcaaaaaa 480
acccttgatt aaaagagaga agccagagga aacttgtgca gctgtcagac gagggctcagc 540
aaagaaaaaa atccacccag tgcaagttat gagt 574

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<210> 10761
<211> 271
<212> DNA
<213> Canis familiaris

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<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 tgctgtgcc ctctgccctt 180
tgcaggctcc gagccccgga ccgcaccttg gggttgggtg gccagggtaca ggcctcagac 240
cttggttgg ccttgcttgc tggctgcaga g 271

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<210> 10762
<211> 537
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (405)..(410)
<223> n is a, c, g, or t

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<220>

<221> misc_feature

<222> (412)..(412)

<223> n is a, c, g, or t

<400> 10762

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aggctcttcta aatcacacta gctttttcaa ataaaaacca ttttttgata ttgccaaaat      60
aatgacagga aacctcctca ttaaactggt aaactttttt 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 tggcanaan anaannnnnn ancaaaaagt      420
tgcacagcga agcacaaaaa gatatcta at ttggagactc ttaaaatggt tgctatagtc      480
ataaccatgg cttttacatt gaaagactaa taggaattct ggcattgttca ttctttt      537

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<210> 10763

<211> 224

<212> DNA

<213> Canis familiaris

<400> 10763

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agcgaataga gcagcatatg caacctcacg gatgaagcgt cccaggagat tcgcagcaga      60
aattcctacg cagactgctg agagctacag gtgagagggc gccagggttg gggaacagcc      120
tgtgtcacag aacgtctatg acccttgacg ggaggagcaa ccacacctgg gcagagggga      180
ccccgcggtg agcccttgct tgtgacgggc cacttgaac cttc      224

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<210> 10764

<211> 394

<212> DNA

<213> Canis familiaris

<400> 10764

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aaggagagttt tgtccatcac ttcctccaga accagggcct gttgtccccg cctagaggcg      60
ccggtgctaa gaaagacgga gaagatcaga taatagccaa aatcgttgag ctgctgaaat      120
attcagggga tcggttgga agagagttga agaaagacaa ggctttaatg aacagcttcc      180
aggaccggct gtcctaccct gttttcaaga ccatcacaga ccagttctta aggggtgttg      240
acaccagggg agaatcagag gtcagagctc ggggctttta ggctgctctt gcaatagacg      300

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tcacggccaa gctcactgcc attgacaacc accccatgaa caggggtgctg ggatttggaa 360
ccaagtacct gaaagacaac ttctcacctt 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 cgaagtgcac cggtgattcag aatgaccaac ctaagagcac aaatttagtt 420
tggtgtgttc tcatcacatg tatatacgga ctcttcattg aacttaattt gtgtggcttc 480
cagccctccc tttaacaaaa ggttcaatgg 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 tcaggctcctg 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 gatttggaa atgaagggtc cgtgtggatt tcacttccat 60
ttccttcac ttctgcact 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 taaaaagaa 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


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aactgagaac aacccccctcg tgcatacaaaa atgtgatcat ctggggtaat attagtggaa      120
ataactacat tgatctgaga aaagccaagg ttacagata tgagagtgct atttggggac      180
ctcctaacta ttcacgtcct gttttgagct tgatttttga tagtgagtgg gtaaacagac      240
aatatgtggc aactcttaga aagctgaccg ccacaggaaa acaattcaga cccatcttag      300
ctgcgcacag tatagctact acattgaaat actggtacca tggctcacca ccggggggaga      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

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<210> 10773
<211> 442
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

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<400> 10773
gttgaacctg aacacttctc ttgtgaaaca tatcaagaat ttgctatgcc taaagcatcc      60
tgccatcaaa ggatccaaga aatgcctgcc cctgagnaat atacacctga aatntatcaa      120
gagacaccng nacctgcgga ctcttcacct ganatatacc aagaaacagc tgggactgaa      180

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gactcttcac ctgaaatata ccaagaaaca cctgggcctg aggacctctc tactaagaca 240
 tataaaaata aggatatgcc taaagaatgc tttccagaac cataccaaga aacaggtggg 300
 cccaaggcc aggatcctaa aacacatcag gaggatgcta aggatgttta tacttttccc 360
 cgagaaatga gagaaaaacc caaagcagaa gaaccagaga taccagcaat tccaaatgtt 420
 cctcaagaga ttcattccaga aa 442

<210> 10774
 <211> 568
 <212> DNA
 <213> Canis familiaris

<400> 10774
 aacactgttt cccaacagct acttggttggg tggagtttgc agtcatgacc ttaccacaaa 60
 attcaaagggt ttcaccgtga tgaacgaagc agagagatat gaagctctca gacactgtcg 120
 ctatgtggat gaagtcatta gagatgctcc atggacactc actccagaat ttctggaaaa 180
 acacaagatt gactttgtgg cgcattgatga cattccctac tcttctgcgg gctctgatga 240
 tgtttacaag catataaagg aagcaggaat gtttgttcca acgcagagaa cggaaggcat 300
 ctcaacatca gacatcatca ccagaatcgt ccgtgactat gatgtctatg cccgacgcaa 360
 cctccagaga ggggtacacgg ccaaggaact aaatgtcagc ttataaatg agaagaagta 420
 ccgtttccaa aaccaggtag acaagatgaa ggaaaagggtc aagaatgtgg aggaaagatc 480
 aaaggaatgtt gttaacagag tggaagaaaa gagtcattgat ctaattcaaa agtggaaga 540
 gaagtcgagg gaattcattg gcaacttc 568

<210> 10775
 <211> 102
 <212> DNA
 <213> Canis familiaris

<400> 10775
 tatgttacag aggtgaatca gtgcttgaag cctaagggca caaaaatgaa gataagcctg 60
 tccaagtct 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 tncaggtca 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 ggtgatattt tgaaagaaat taaggatgaa 120
 tatgaactct acatggcgat acttctgcag tccacatccc catcacagta taagactttg 180
 ctagctaatt 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 agaaaagggtt ccg 43

<210> 10780
 <211> 494
 <212> DNA
 <213> Canis familiaris

<400> 10780
 ttcgtactct tttcagtgtc gcacagctaa cagctgaatg tgcaatagta actttgggtt 60
 acttagaaag gcttttaact tatgctgaga tcgacatttg tcccactaac tggaaaagaa 120
 ttgtcttggg agccattctt cttgcctcca aggtttggga cgatcaggct gtatggaatg 180
 tggactactg ccaaatcctg aaggacatta cagttgagga catgaatgag atggaaaggc 240
 attttttggg gctacttcag tttaatatta atgttccttc cagtgtttat gccaaatact 300
 actttgacct tcgctcctta gcagatgaca acaacgtgaa ttttctgttt gtcctcttta 360
 gcaaagaaag agcacaaaac ctagaggcca tttccagatt gtgtgaagac aaatacaaag 420
 actggtctcg agctgctatg agaaggctct tcagcgtga taatttcatt ggtattcagc 480
 gctctaattgc 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 gtcagtgtga 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 gtcctgtgac 420
 agtggttattc aag 433

<210> 10782
 <211> 212
 <212> DNA
 <213> Canis familiaris

<400> 10782
 gagaggactg taggagactc aactcaggaa agaatgaaga acagtttgag gcattgggga 60
 cctctcaagc tgagtgcctg agtcactctg cccaattag 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
 ctattttctct gagcccttac cttc 144

<210> 10784
 <211> 304
 <212> DNA
 <213> Canis familiaris

<400> 10784
 atggagggtcc aggaggcaag ctcttccaac aaggacttgg ggggcaagaa ggaaggaaaa 60
 tacatcaaac tcacagtcgt tggacaagac aacagtgagg ttcacttcaa actgaaaatg 120
 acgacccatc tgaagaaact caaagagttg tactgtcaaa ggggtgggtgt 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

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atTTTTgggg agcccaggaa gctcatcacc gaggatttgg tgaaagaaga gtacctggag 180
tacaggcagg tggccaacag tgatcctcca cgctatgagt tcctgtgggg cccagagcc 240
tatgccgaaa ccagcaagat gaaagtcctg gagtttttag ccaaggttca ttataccgtc 300
cctagtgcct tcccagcctg gtatgaagaa gctttgcaag atgaggaaga aagagcacia 360
gctagagctg cagccagggc tcacactgca gccatggcca gtgcacgtgc cagggccatg 420
accagtgcac attctaaggg cataaccaat gagcactcca gggccatgac caatgtgcat 480
tccagggcca tagccagtgt gcgctccaag g 511

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<210> 10786
<211> 580
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

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<400> 10786
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tggtgtccag caccctgtc accagcctgg ctgtggccgc ctgccgcaa gagctcacc 120
tcttctggac cggccaggcc agagccaaga cggccgcca gcccggtggcg gggctccatg 180
acgccccttc atttggctct gagcagaagc aggaggagac ggcagacgtc cacacagccg 240
gcaagtttga gggggccacc ggccacctgg caggggactt ggacagcaac ctggaagagn 300
ccgaggccga ggccaccacc gcatctgagg atgaggccag tggcttgat gtccacagt 360
atagctccga gggctggaga gatgccaacc tggaccccga cgagctgcct caggcctccc 420
ccgggtcctc ggaggagctc gtgccgctga tgccaccgcc ctgagtgctg ggccaagccc 480
gggcccaggc ccaggcccag gcccatgaca ctggcctgcc ctggatgggg ctccacaaga 540
ggaagggcgg gaaggtgcag aggagcatgt caaccacgc 580

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<210> 10787
<211> 279
<212> DNA
<213> Canis familiaris

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<400> 10787
tggcggcctg cctgttggag gatccactg aggcgctgag taaccgcgtg gtgcccttcc 60

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tgaagcagaa gtcctcagc accaatgatg acattcgcag caaagctgcc tgcattgctca	120
ctgtgggtcag catccctctg gagggcaaga accaggtgtg gcagcatgat gtcattcccca	180
tcctgggtgca cctgctgaag gacaagatgg aggaggtgca ggccaatgct gccggggccc	240
tcattgtatgc cagcatgacc acccaaggga aatatgctg	279

<210> 10788

<211> 542

<212> DNA

<213> Canis familiaris

<400> 10788

aggacattgc ctttctgaag ctccagggccc ccatatcctg gtccccgctc atccagcctg	60
tctgcctacc cagcagcaga tttagagccat ctatcggaac cttgtgctgg gtgattcgggt	120
ggggatataa aaatcctcaa gtaaccccaa agagccccta cagtcttcag gaggtggctg	180
tcaagatcat aaacagtga atctgccgtc agcagtagca gttcctcttc ttgaaggacc	240
agaagcagtt cattgggaat gacattgctgt gtgtcagctc agaattggggc atggactcct	300
gtcaggacaa ctctggcagc tccctcgtgt gccaggtgaa caactcttgg attcagatag	360
gggtgggtgag ctggagcctt agctgcaacc ggcaccgcct cccaagcatc tataccagca	420
cctcccagtt caccactgg atcaagaggc agatcagcga catgaggttc atcagtaggg	480
gtgattcctgc cttcctgagc ccggtcgccc gcaactgggta cattctgctg gtgtccttgg	540
gc	542

<210> 10789

<211> 93

<212> DNA

<213> Canis familiaris

<400> 10789

acattttata aggactccag ttacagaaaa gcagattgtac 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
atcaaattgcg aagtttctgg cttcttcagg gaacaaccgt tccgtagtgt 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
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 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
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 gccacagact cccaacagct accaaacccc taccatcct cctccagtct ctcaccagcc 120
 atcggctctgg aagagctggt caactttgcc tcttccttgg ctgtggcctc ttccagcaag 180
 atggacttgc ccaacttga gcacatgatc aaagctccac ccagaaggc cgaggcgcct 240
 tctacagatc ccaccacca 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 cgggtgccggg 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
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 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 gtggggggccc 420
 cggaagccgg cncggccgag taccggttcg acaggctca 459

<210> 10794
 <211> 539
 <212> DNA
 <213> Canis familiaris

<400> 10794
 tcatggcaac cttcaagcct tgtgaatgga atgaaagtag aagttcaaaa acaagaggaa 60
 ctgagtgcgc aggaaaaaaaa tattggtaca acaaggagtc aaaagcagcc aaacttagaa 120
 agttcttcgg attctccac attgcccag ttggaggagt tctacatttc tctggtcgag 180
 tcacagcagt cagcagaagg gagtcagttt gagcctagta gcattcagac tcaggtgaag 240
 caaatgcagc tgtccacagc agccctcagc acaactcctg cggcagttga ttctccagaa 300
 aaacactctg gttcagtgga gagctctcca gagagcctaa agaattgatt ctctagtagc 360
 catgctatta cagtattcaa agataagagt catggagcca tggaccagct ctctttgatt 420
 ttgtctcctg agcaccaaatt ttcccagaag ctctacattc ctcggagtag 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

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 aatctggaga gcgccaccag aaaggcgggt tgtgtagctg tgaaagaatt caacaagagc 120
 caggccaccg aatcactgga aaggaaaatt caagagaaaa aacaggaaca agaagacaac 180
 gtggctgaga tctccaacct gctgcacggg gacctgctct nggagaaccc acagcaggca 240
 gccagctcct ttggggcccca ccgtgtggtg ccagaccgct ggaagggcat gaccaggag 300
 caactggagc agatccgcct ggttcagaag cagcaaattc aggagaagct gaggcttcaa 360
 gaagaagagc ggcagcgaga tatggactgg gaccgccggc ggggtgcagat ggctcgagcc 420
 nntctcctcc tggagcggca gcagcggcnc cagcagcgtg acctgcgcag ggccctggac 480
 tgcaacaacc tcagcctggc caaggagcag cgtttgcaga aaaaacatat ggaggaaatc 540
 tgtacaaatg aaccactga agactatttc acgc 574

<210> 10796
 <211> 308
 <212> DNA
 <213> Canis familiaris

<400> 10796
 aaacattatt ggtaccgttc ctcaagtatat ggatatggat tctggctcag tactccaagc 60
 acaaatatatt aacatgattc aacaatggct tttgaagata ggcaatgaga ttaacaatgg 120
 taacattgaa cttcagcgcc acgtatatga attgcacata tctatgatcc agtggatggc 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 tccagaatth atggtagacc ttcgctgacg 120
ttgctactga tgccaatgtg gaataaagta tctggagtc 159

<210> 10798
<211> 451
<212> DNA
<213> Canis familiaris

<400> 10798
gaccaagcac atatgacagc ctaacagatt cgcttgthtt aaagcaaaga ctgaattgaa 60
agttatatta tgttttagca taaactaatt tcttttgagt ttataaatca tttgtacccg 120
gaatgtatta atatattgcc attagggttaa tctgttacct gaatgcttcc atgagcacac 180
cgcgtcacct cagaactggg gcagcttctc tctcctctcc cacaagccga gcccctcgcc 240
agaaactgtc ttcataacgc cttatgcaca tacaaagcca ggagacatgg agccttgtht 300
tccaaagtca gtcttcaaat aaaaagthtt attcagatta aaatgcttaa aacaaaatgt 360
tagthttctaa ctacagggtg tgtcttaatc tatatgaagc aataattgct ttatcctcat 420
gaagcaataa agtcatcagt ccatttgthc 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
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 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 gttaaattaga 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
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 gtctccacca gctgagacct ctctgaagt tcatttctca ctacttgagg aggcccctgt 120
 agaagaggcc gcagttgaaa ttgtttctac accacctgag gaggctccta aagaagatac 180
 ctcagctaga gtttggtctg aacccgctgg ggtagctctt gttgaacctc agcatccatc 240
 agctgaagaa acgactttag aaatgggtccc tgttgacaaa cagtttccag cagctgaaga 300

ggactttttt acacaaatth ctgtagaaga tgtccttgct gaagttcagn ttccaccatc 360
 tgaacacact gctgcagatg agcctttggt agaccatatg tctactgaat atcaacatct 420
 ccagacagca gatgtcccag tggtaaaatt agaactactg 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 tgtagagggt tgactagggtc 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 ggcgagggtt 120
 attgaggcag tgctgggggtc taattcagat gctgaaaaca aaaccgaaat cgcagatgtg 180
 agaaaagtgc cagaaatcaa agagaggaag accccttgct aatcgaagga caaagaacgt 240
 gagaagctgc ggaagatact tgcaaaagt aaatcgcccc ttcaggacaa tgtagaaaag 300
 cgtaagaaag gaaggaaatc gaccatactg gtctgttacc gcagacacag caaagtgaag 360
 actgaaaatc agctgaagat gaagacggaa gaagaaagcc tgtccccact ccgggcaaca 420
 ccctatgcct gccagggggc aaagatctca aagtagctgt tacctcccca gaaaaagc 478

<210> 10803
 <211> 410
 <212> DNA
 <213> Canis familiaris

<400> 10803
 gaaaaacgcc gtgagtgtgc atcatgcgct ggcattccaag gccacagact acgagaagaa 60
 gccaaatgtg cttaaaactta aaacggctga ctggagggtc ttgctttttc aagcccagag 120
 tccagaggaa atgcaggggt ggataaaca aattaattgt gttgcagctg ttttttctgc 180
 accaccattt ccagcagcca ttggatctca gaaaaagttt agtcgtccac ttctgcctgc 240
 cactacaaca aaattatctc agaaaaccg 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
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 aaagcttcat taataattga tttatttggg aatgagcatg ataattttac aaaaaatctc 120
 gaaaatctca tgtctaccat acaagagagt tactgtttcca actggcgatg cccaactcga 180
 gtgcaggaag atcagcaacg cacaattaat ataaatcctc cccaagaaat tcctcatgga 240
 aacttgatac gactggctgt ggatgagtta ttctgtttcca ggattgaact gtgtgaagag 300
 agtgggtgtg gtggcttaag agaattttcc cagcgagttt tctgccatgg ggcaccccct 360
 tttgttgtct taaatatgca gcattggaaa tctgaagatc tggcatatgt accatattac 420
 ttggatttat ctgatacaaa gtacttggtg gaagggtgcca 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 tttgggggaat 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 cctgggtatta 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 aagggttgta 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 aggnnagtga 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 taaaaagac aaagaaggac 420
cctctggatt ccttcatca 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
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 cnttccattc ttggaatgta cattctactc acccctncca cagtggngna 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 cctcctcct aactgacttc taagtgaaga 60
 aggaagctgt ataattcttt actcaccaca tgctctaccc agtcactacc acaataggca 120
 agagagatgg aaagactgac agaaaaacga aaaaaggagg acctgaatca acacacgaca 180

cagggcagaa aaagtgggtga 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 tctgggttttg ccggtgtcaa gcttggcaca ggctctgtca agaaattagt 120
 aatcagaaac tttaaagata aacccttgat actggaaaac tacactgaag aggcattggca 180
 aaaactaaaa gaagctgtgc aggctatcca gaacaatacc tctgttcagt acagcttgga 240
 agaactctat cagagtgtta aaaacctttg ctctacaat 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>
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 <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
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gagccagata aaatagaagg cttccgagca tcactatcca anctagggga tgtctatgtc 180
 aatgatgctt ttggcactgc tcatcgggcc cacagttcta tgggtgggagt gaacctgcct 240
 cagaaggcat ctggattnct gatgaaaaag gagctggatt actttgccag agncttagaa 300
 aacctcagaga gaccttttct ggctatactt ggtggancta aagtggcaga caaatccaa 360
 ctcatcaaaa atatgctgga caaggtcaat gagatgataa ttgntgggtg gaatggcttt 420
 taccttcctt aagggtactca acaacatgga tattgggtgca 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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 tgaatcacag agtatcaaga atgagctaac tatacaggtg acttcacttc atgctgcatt 180
 agaacaagaa agatntaaag tgaaagtatt ncaagcagaa ctagccaaat accaggggtg 240
 cagaaaaggg aaaagaaact ctgaatccga ccagtgtagg tgattncgtt agcctatgag 300
 gtcaacacaa aaattaaaac tttcagggtt ttgcaaaaat gtatatatatt aatgctgtgc 360

aactgctaaa ctatgcagtt tttgttggag aaagttaaaa tgatgagctc actaacagtc 420
 tataatttta tgaccttttg 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
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 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
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 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 catttccta aaagaggagt tctattccaa agccgatgcg 480
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ct 542

<210> 10819
<211> 213
<212> DNA
<213> Canis familiaris

<400> 10819
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tcagcgtccg gtcttttggg acgggggaccc 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
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tccacagttt ctgcagcagc caccgaaagt tactttctca acttacgtga tgatggatga 180
cagcaagaag accagtgcc cactttttat tttagtaggc tcgaatgttc aggaagccca 240
ggattggaaa cctcttctg gacatgctgt tgtttctcag tcagatgcct tgaagagata 300
cgctgcaata caagtacca ttgctgttcc tgcagatcag aaattccaga aacatagccc 360
aaacccccag aatggtagtc ctctacaag 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
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 attaaggaca tgaacgcata 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
 ttgattcag gtatgcttct tactaactaa gcaac 35

<210> 10823
 <211> 419
 <212> DNA
 <213> Canis familiaris

<400> 10823
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 aacactccaa ttccaaggct gacctccaac ccattctcgag ttgatcgctt aattgtggat 120
 gaactacggg aacaagccag agttgtgact ctactaggca aaatggaacg tcttcgaagt 180
 tctccccttc atgccaatat ctctactgct cttgatagac acttgggggtc cattcacatt 240
 gtacagtcac gtagaaagga tgaaattggt aatgcttcaa acagacaaag gcaaggagtt 300
 cctagatgcc aagatgacag agatgttttt gcccttgctt cagcaattaa agagatgtgt 360
 gtggctactc ggaaagcacg tactaccctg tgggtgtgcac tgcagatgac cttgccaaa 419

<210> 10824
 <211> 524
 <212> DNA
 <213> Canis familiaris

<400> 10824
 gaggaccaag tccagatggc cgactatgcy cttaaatacag caggggcctc tattgtggaa 60
 gccgggacct cagaaagtta caaaaataat aaagcaaac tttactggca tgggattggg 120

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ttcttaactt atgagatgcc tccagatatt atcctccagc cggacgtcca ccctgggaag 180
tgctgggcct tcccagggtc ccagggtcac gccctgatca agcttgccag gaagatcgtg 240
ccaaccgccg ttaccatgga gcacatctca gagaagggtgt 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

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<210> 10825

<211> 409

<212> DNA

<213> Canis familiaris

<400> 10825

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acccgcattt tcttctatgt gaggcggagg gtgcagcgca tggcagagca cgtcagctgc 60
caccgcgat accgagagac cacactcagc ctggtcaaga ccgttgatcat tctcctgggg 120
gcgttcgtgg tctgctggac tccaggccag gtggtgctgc tcctggatgg tctgggctgc 180
aagtcttgca acgtcctggc ggtggagaag tatttcctac tcctggccga ggccaactca 240
ctggtcaacg ccgtggtgta ctggtgccga gatgctgaga tgcgccgcac cttccgccgc 300
ctcctctgct gtctgtgcct acgccggtcc acccagagat ctgcccgtta tgcaccctcc 360
gcccgaacag gtgccagcac tcgcatcatg cttcctgaga atggccact 409

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<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

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gtggcgaggc aggctcagct ggaagctcag aaagccacac aggacttcca gagggccaca 180
gaggtgctcc gtgccgcaa ggaaccatc tccctggctg agcagcggct gctggaggat 240
gacaagcgac agttcgactc cgcctggcaa gagatgctga atcacgccac ccagagggtc 300
atggaggcgg agcagaccaa gacgaggagc gagctgggtgc acaaggagac ggcgggcccg 360
tacaacgnag ccatgggccc catgcggcag ctggagaaga aactcaagag agccatcaac 420
aagtccaagc ctt 433

<210> 10827
<211> 331
<212> DNA
<213> Canis familiaris

<400> 10827
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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
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gaaacaaaaa ttggatcttt cttaagtaac aaaaatctag atgtcaaaga caaagctggg 120
ctttgtccag atggtgatat ggaaggggat tctttctttg atgatcccat tcctaaacca 180
gagaaaactt atggttggag aagtgaacct agtaagcaag caggaagcct tgcactactc 240
tctgatgcgc cccctctgaa aagtggactc agctcccttg ctggagcccc ctactgaaa 300
gactctgaaa gtaaaagagg aaacgcagtg ttgaaagatc tgaaactggg caatgataaa 360
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accagccatc gatcagagaa aagtgagctg agtattgggtg aagagatcga agaagatctt 480
tctgtggaag 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

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 tctgaatcaa cagatgatga tggatgaagat gataccaatg atgaagatga tgaagacagt 180
 aaccctaata aggataactca tgccccatta gagttaatgg cagaattcct acgagcagaa 240
 atgggtcaag actaccattt ggcaaaaaaa ttatgtcaga tgatcctaata ctatgaacca 300
 gaaaatcctg aggccaagga gtttttctcc cttattgaag aaatgttgct gatggagaaa 360
 tctcaaaatc ttgaggaaga tgatgaagat agtgaagaag acagtagcgg tgagagtga 420
 ggagaaagca ntgaggagtt aagtgaagaa agttctgatg aatgtgaaga cgagtgatga 480
 aagttgctgc tgtggttcaa tcttcatgta 510

<210> 10830
 <211> 547
 <212> DNA
 <213> Canis familiaris

<400> 10830
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 ctgtgcgcta cctgcatgac caccacctcg tgcaccgtga cctcaagtgc gaaaacgtgt 180
 tgctgagccc cgacgagcgc cgcgtaagc tcaactgactt tggctttggt cgccaggcac 240
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 tctacgtcat ggtcaccggg tgcattccct tcgatgactc ggatatcgct ggtctgcca 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

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ttgatctgct catcttttat tgaagttacc tcactccaag agtgggagct tgagctctca 120

tagaaaattg acaaccagag agtcttctaa ctttggaac ccagagttca tccccctcag 180

ccctgtcatt ctctgttga gtatcttacc cagctgcaca tgatgactgt gtggtctaga 240

acccagtcct aaa 253

<210> 10832

<211> 460

<212> DNA

<213> Canis familiaris

<400> 10832

aaaggtgcag attctctgga ggattttttg taccatgaag gatatgcttg taccagtatt 60

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agcccaattt tagtggctac agcagtagca gcaagaggac tggacatttc aaatgtgaaa 180

catgttatca actttgactt gccaaagtgat attgaagaat atgtacatcg cattggccgt 240

acaggacgtg taggaaacct tggccttgcc acctcattct ttaacgagag gaataataat 300

attaccaagg atttgttgga tcttcttggt gaagctaaac aagaagtgcc atcttggtta 360

gaaaacatgg cttatgaaca cactacaag ggtagcagtc gtggacgatc taagagtagt 420

aggtttagtg gaggatttg tgcccagagac tatcgacaaa 460

<210> 10833

<211> 588

<212> DNA

<213> Canis familiaris

<400> 10833

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acgggatttt caccgaatgc accacaaacg aatagtccag gaaaaaacta aattaattaa 120

tgacctcaaa ggggttaaagt tacattatgc atcgtatgaa ccgactatca ggggtgttaca 180

agagaagcac cacactttgc tgaagcagaa aatgctgacc tctctggaaa gagacagagc 240

agttgggcag atttctgggc ttcaagcaac actgaagcat atggaaatag ggcataatta 300
ccatgcttct gcaactagag acactaagaa taaattctgt tatcttgtag ttggtcctaa 360
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aaaaatccaa agtaaaacaa aggtaaaaga taatacaaag gattcagaat ttcccacaga 480
tatgcaacct aatccaaacc tgtattttaca taaagaaaat atttgtccag caaaatttga 540
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<210> 10834

<211> 578

<212> DNA

<213> Canis familiaris

<400> 10834

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gggttatcac ttagaaggag aagcaatttt gacttgcaac cttcaaggag atgaggtgta 120
ttggagtgat gaattccac aatgtgaaaa gatttactgt caaccacctg caaaaataaa 180
aaatggaaaa cacaccaata gccacagaac tatttttgaa tataatgaat taattacttt 240
tagttgtaat cgtttaaaag gatcagatca atattccctt gttggagaaa gagaacttac 300
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ctatccagta attgaacatg gaagactgat atcaggaatc aaagaaaaat attactacca 420
agcaatgggt 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

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agatgcactt tgtacggaca tacagattct gtgaacagca ttgagttttt tccttgctcc 120
aacactcttc tcacagggtc tgcagataag tccctgtcta tatgggatgc aagaacagggt 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
cttaaatacag 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	
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tccaggaggt acagagaaaa aagtcccaaa aatgggatga atccaacatc ctggcaacac	120
accgtcgggc ctacagagac tatgacttaa tgaagataaa cgagcccagc agccccact	180
gcggccagcg agactacgga gaagaccag ggagcgactt ggacgcaaag gacaccatga	240
gcccgagcgt cgtagctaag aaactggccg ccagcgggac ctgcgatgg agccgtcagg	300
tgggggagcc cgacagtgat ggagcacaca gtagcaagac ctttttcgac gcgcaggaaa	360
agcagcggca gttcgaaatg aaaaggaaac tacaccacaa cgaaggcctg aacatccagc	420
tggccagacg actcatctcc aacgacctgc agcacgagaa agacgaggat gacaacggag	480
gagcaccacg tgggtgccagc gaacacagca cgggcctgga agagtcctcg gatgaagttt	540
ctacaagcga cgaaccgc	558

<210> 10837
 <211> 562
 <212> DNA
 <213> Canis familiaris

<400> 10837	
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taaactaaag agaaggcagg atatggaaaa gaaaagaaaa attagaaaaa tagaatggat	180
gagaaaaatg tactatgcag gaagcctaca ggctaagtca acaaataccta aaactctaga	240
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tgtgatggaa tgggaagtgg atgaagtgtc aaactggaca aatgcactga actttgatga	360
gtatatatgcc aactggaagg aaattgctac aagcaactct tcagctaact tcacaagttt	420

cacacttgag caagcacaga aaaaaagata tgactatgca gatatgtcag aggagaaaat 480
 gggaacacca gaagatactt tatatggaaa tttttttaa aaaccaaatt atgctagact 540
 aacgcctgat tccacttatg ga 562

<210> 10838
 <211> 442
 <212> DNA
 <213> Canis familiaris

<400> 10838
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 tctggaggcc ttgggccact tcttccgcga gttagcccgg gagaagcacg agggcgccca 180
 gcggctcttg aagttgcaaa ccagcgcgt cggaacgcc ctgttccagg acgtgcagaa 240
 gccgtccac gacaagtggg gcaaagccct ggacgccatg gaaactgctg tggctcctgga 300
 gaagaacctg aacgaggccc ttctggatct gcatgccctg gcttctgccc aggccgacgc 360
 ccatctctgt gacttcttg agggccactt cctaggccag gaggtgaaac tcctcaagga 420
 gatgggcat 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

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 agctgtcaaa atcatagaaa aagtgtcag 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 attaattctg 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 tgtaaattatt gaatgtattg aagcaacctc aaatcacata 60
atagaaccta aggcgagaaa agttaaaaga actattgctg agcttgacat ggctatgtgc 120
tcaagaaaca tgactgaaac aggcctcttg gagaaaaagc cacagagtaa gaaagaagac 180
aagactctta ataatgaacc aacacattac ttcatacata gaattatgag ttcattcctca 240
tacaaccaag aagatctgat ttcattctgcc 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
gcgaagggtat cttcagctct gtcaaagggtg 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
caccctgtgg 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 gggctcttaga agaggatgag 60
 agcttaagaa cttgccttag tgaanatgca aaagagattc agaacaaaat agaggtagaa 120
 gcagacgggc nnnkanaana nattttggat gctcagaacc taagttcaag aa 172

<210> 10843
 <211> 515
 <212> DNA
 <213> Canis familiaris

<400> 10843
 atctgcatga gaggccaaac tttgaagatt ctaaaactac agagtcacca ctgttggttac 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 gagtgccag aacccatcag 300
 tgagtagaac agagcagaag atgggccaga taccgcagag accttcaaca gcaaatttac 360
 ccctttccag ctctgttaaa aaaagttcca gctgccttgg ctcttccat 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 gctgaccag ggccaacccc tgtcaggcaa    360
ccagaggtca aggtttctca gtccacagca tttccagact ctctcaacc cttcaggtcc    420
tggtttgggc aaccggctga cccgcctcag cctcatggaa gaggatgaag aagagttgga    480
aattcatgag ttaagtgagg aatggcaaga aacagacaag cacacttccc ccagtgagca    540
cgggctggac ctcttagatt ctac                                             564

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```

<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 ctttttctca gggaacctct      60
aatggaaaaa gtattttcat acctgtcaac aatttcatta gaagactgta ctgaaaatga    120
actgaatatg acactttatg atgacagaa agatgacagc attaaggaaa tattttcacg    180
aagacataca gaggttgaaa taaaaaacct tcaacacaat attgaatgac ttttttncct    240
ttgaaacttt gttacactga aatcatggaa agttaaaact aaattaccag cttctgagtt    300
tcttaacatg ctcatactat tacttttctt gtcctttacc gttgagtggc cctacttccc    360
tcaccaattc ttatttctag aaacaaaatt ataggaagaa tagagtgaca tcatgaacat    420
taagcttaac tccttgatc 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 ctttgtactt cgatggagcc aggaattcag caccttgact      300
ctaggccaag ctggatgaac tcaggtccat gctacctcca cccagccct accttcccac      360
attctccatt gccttttagac cccatctgtc agtttgcttt cctggctgcc acttgtgggt      420
ctctcacctt gccctgactc acatttgcct tgggttgag cagcagtccc agagaggtcc      480
at                                                                                   482

```

<210> 10847

<211> 525

<212> DNA

<213> Canis familiaris

<400> 10847

```

gatcactgac actgagggca tctctcacc tcgtctgggc agcctggatc tcaaagggaa      60
ccgcatccgc aggggtgacag gtctggaccc ccagaagctg ctcagcctgc acacactgga      120
gcttcggggg aaccagctgg agagcactct gggaatcaat cttcctaagc tgaagaacct      180
ctacctggcc cagaacatgc tgaagaaggt ggagggtttg gagaacctaa gcaatctcac      240
taccttgcac cttcgagaca accagattga aactctgagt ggcttctcca aggaaatggc      300
atcactgcag tatctcaacc tgaggggcaa catggtgacc cacctggagg agctggccaa      360
gcttcgggac ctgcccgaagc 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

```

ctttttgtgc 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
tatcacaat  tgttaaagaa acatttaata aactaatttc taatcattcc gaatatctga    300
aatgtagcaa ttcattggct gcttttataa ttgaaagagc tggacagcat gaagttgtag    360
ctataggcac aggtgaatac aattacagcc agtgcattaa gccaaatgga agagtgttgc    420
acgacactca tgctgtcggt 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 cccaaggag tcaagctcaa tatctacaag caaaaagtgg aacaggcaat    240
taagagctat gaaagacggt 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 cttttctcct    60
tcaactcccc ggtgcgggaa gtggagtcca cgcctatgat gatagagaac atccaggagc    120
tcattcgatc agcccaggag atggatgaaa tgaatgatct gtatgatgaa gaaccctctt    180
ggaaaaagcc aaccctgac agcctcctgc agatgcccc a 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
tggaatgtggc aacaagtatg cctgtttttt ctgaggaggt gctgagttca gaggctgccg 120
aagatgccaa ggtggccatt cccactgtgt attccgcaga gggtgtagcc 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 gaagaatggg tctggagaca 240
tgtatccagg atctgccagg ctcccagcag aactgtctt 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
 tgtcgggtgcg gacactaccg ctgctcttcc tgaacttggg cggggagatg ctttacatcc 60
 tggaccancg gctgnngggcc 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 tgaccacgcg aatgaagatg tctcaataac ttctgaagtc 60
 tctggcacat taaaggaagg caccaccagc attgcagaca cccctaattct tccagctaag 120
 aaggataagc ctgatgataa caattatagt tcctcagtaa aatccaatgt cactgctaatt 180
 gaggcagtcc agatcaccaa ctggtctatt cctgaggctg aaatctctac tgctactgaa 240
 aaaaatttca ctattccaga cataactgcc ttacagaag 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 agaacttggt ggagaaagtg gcacagaaaa tgcaagctcc caataaaatc 120
 cactggattg agaaggcaaa tcattccatg gcagtgaag gacgggtcaac aaatgatgtt 180
 ttcaaagaaa taaatacaca gatattgttt 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 acagatgcc aacagaattg agcaacnatt ctagacagct agttttaaca 60
 tctaagaagc ttgccacca agcaaaaatc ttaatnaatt aaagaaagtg agcatttaag 120
 gtnttaagca ctgntaacgc actcttctta tgcttttggt tagcaattca agaacatgta 180
 tcttcantct ttctgacgc agacttttaa aataggnng 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
caaatatggg gcctgccaat acgcccgtgc aggttacagc tccccagaa aagaaactat	420
cagtgtggat gggaggctcg attcttgcac ccctgtctgc cttccaggac atgtggatca	480

<210> 10858
 <211> 444
 <212> DNA
 <213> Canis familiaris

<400> 10858	
gcaagattcc ttggcttagc gaggccagcc tcataaaca 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 tgagaatcct atgagtcata	300
gaatgagtct tcatccacca aaagcccaag ctgtactcaa acattcccat aatgacatct	360
caacagagag cattcactac agactgccca ttctggggcc 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 atgctaattg ctgcaaaatc agagatggct gatctccaac aggagcatca	180
gagggaaatt gaaggcctac tggagaatat tcgacaactt agccgggagc tccgacttca	240
gatgcttata attgataact ttatacctca agattatcag gaaatgattg aaaactatgt	300
ccattggaat gaagacatag gagaatggca gctaaaatgt gttgcttaca caggaaataa	360
catgaggaag cagactccag ctcttgataa aaaagagaaa gatccctttg aagtggacct	420
ttcccacgtg tatcttgctt 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 ctatcaaatac agatgattca 120
 aagtcaagga aattaatcta tgaatataaa attagccaac attttcccag gtatcttcaa 180
 gatttaccaa ctagaactgt tggaaaaatg tcattctcaa cttttcttcc ttctattgct 240
 cacaagaata tggatatgtc cactggaatg gaaagcccat gtatcagtga aaaacactac 300
 actggtcaaa gccagaagat ggccaaagac tgtaaacgta ttaaccacaa tccaaagaag 360
 actcttggtta ctagaataaa agaagagaag aagagatcaa gtactttcct cccagaagat 420
 ttaaatcttg atgtcaatcg gggatcaact aagattagtt cgcccaaaag atgcaataat 480
 tgcattggaa 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 cagtgaact 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 tggatggatg 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 ttgggataac 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 aaccaccca aggtggccag aaggccctct 60
 tgccgcagca gccccattg cctgctctgt acagaacgtc cctcgggccc ctgcagcccc 120
 accttcttgg 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 aggggtggtg cccagtggt 60
 ggcagcagcg gtggtgctaa tggtacctct ttcagctaca cattccatgg agaccctcat 120


```

gccatgtttg ctgagttctt cggtggccga aatccctttg acaccttttt tgggcagcgg      180
aatggggagg aaggcatgga cattgatgac ccattctcta gcttcccat gggcatgggt      240
ggcttcacca acatgaactt tggccgttcc cgtcccgtc aagagcccac ccgaaagaag      300
caagatcccc ccgtcaccca cgaccttagg gtctcgcttg aagagatcta tagcggctgt      360
acc                                                                           363

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<210> 10865
<211> 449
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

```

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<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

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<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 agtgagtcac tctcatttca gagcctccaa aaagaagtcc nactnnggaa 60
 aagcaggtct gatctaggtg ctgccctgaa tgccctgtct ggctgngcct gaggatctcc 120
 ttcccctgcc ctgctgcnc aaccttgggat ggangttata ggtaaacgaa gtgacangtg 180
 gccactttcc aagccangca gccaggagac agagcgcagg ccagaaagtc tcagctgctg 240
 ctgtgggaga gccctgctca ncttgtaact acaacaaggc tgangagaga gggtttagcag 300
 agccagcagg gctgtcctca cccgcgctgg ggctgtactg gtggcccgcac tccgggaagg 360
 atgagtgate 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
 ggtaggagaga 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 ggcggcgtag gcggcccccg aggtgctgca gggcatcccc 60
 taccagccca aggtgtatga catctggagc ctgggcgtga tcctctacat catggtctgt 120
 ggctccatgc cctacgacga ctccgacatc aagaagatgc tgcgcatcca gaaggagcac 180

cgcggtggact tccccgctc caagaacctg acgggcgagt gcaaggacct catctaccgc 240
atgctacag 249

<210> 10868
<211> 366
<212> DNA
<213> Canis familiaris

<400> 10868
ataaatggcc tcttctttgc ctttgggtgct ggggaaaggc tgatctggca tcaccagaac 60
tttccagga aacttaactg tcaactagtct 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 tgcataattc agacttcagg aatcgttctt taatctccca caacttcttt 60
ttccggaaaa tgtaatgcag aataaagata atgccctcgt ggaattggat caca 114

<210> 10871
<211> 480
<212> DNA
<213> Canis familiaris

<400> 10871
ggccttggtg gaatgttggt 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 ccctcggtga attggatcac agaattgatt ttgaactcag agaaggactt	300
gtggaaagcc gctactggtc agctgtcaca tcgcatactg cctattgggtc 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 cagatatacct ggctaccct	60
gtcacaagtg aattgttctc agtttcttgg tttatgtgct cttccagggt gtaaatttaa	120
aaatgttaga agaaatatcc aaaaagatac agaagaacta aaaagctatg gtatacaaga	180
catatttggt ttctgcacca gaggagaact gtcaaaatac agagtcccaa accttttga	240
cctctaccat cagtacggaa ttatcactca tcatcatcca atcccagatg gagggactcc	300
tgacatagcc agctgctgtg aaataatgga ggaacttgca atctgcctta aaaataaccg	360
aaaaacctta atacactggt 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 tggatgatgt cgtgggttcc agccccgca cgtgccacat gtgtggccac	240
acgctgcccc ctcgggtggt gcacggcatg ggccggggct ccacagtcca ggctggcttg	300
ccgtggggct gcgccacca gatgaattcc cggagccccc ggctgtcccg tcgccggatt	360
aaggcggcca cggccatcca gtcggcctgg agaggcttca gcgtacgccg ccgtctgaag	420
cagcaacaga tggcagccaa gatgcttcaa gccacctggc gcggccatcg caccggggcc	480

tccctcacta cggatgcgct cttggggccg gaagcgtggg acagctcgca gcacatgcag 540
 tggccagggtg 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 ggcggttca ctgaccccca ggacaaccac 60
 ttttccttgc cccggctgtg agcatgatgt ggatcttga gaacgaggaa tcaatggtct 120
 gtttcgaaat ttcactttgg aaaccattgt cgagaggtac cggcaggcag ccagggcagc 180
 cacagctatc atgtgtgacc tttgtnagcc accaccccag gagtccacaa aaagttgcat 240
 ggactgtagc gcgagctact gcaacgagtg cttcaaaatt taccaccctg ggggtactgt 300
 gaaagctcag catgagtatg tgggtccgac gactaatttt aggcccaaga ttttaatgtg 360
 cccagaacat gaaacggaga gaataaacat gtactgtgaa ttatgtcgga ggccagtttg 420
 tcattctgtg aagttgggcg gtaatcattc caatcaccgg gtaac 465

<210> 10875
 <211> 277
 <212> DNA
 <213> Canis familiaris

<400> 10875
 agcttcctgt gactgaacct gacatcaaca acaggctgga gtccttgtgc ctgagtatga 60
 ccgagcacgc cctgggagac ggggttgacc ggacctccac aatctagaag ctgaagatga 120
 gagtgaccgc gctggccgtg aaatcgactg ctgcgggtcc agtgtcagcc atcttcaggg 180
 ttgcacagaa tcctcgga tgctttgcag cctttttttc cccctggtcc ctctccatt 240
 ttgattttgt gagagcgtag gtcgtccttg taaacat 277

<210> 10876
 <211> 110
 <212> DNA
 <213> Canis familiaris

<400> 10876
 ggggtctgagg gaagcacttg ccctcacaac ccacccctgt ggcattggaaa 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
 ttaccagtg 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 cagtttgttg attggtgccc gactggattt 240
 aaggtgggca tcaactacca gccccccact gtcgtccntg ggggtgacct ggccaaggtg 300
 cagcggggccg tgtgcatgct gagcaacact accgccatcg ccgaggcctg ggcccgcctg 360
 gaccataagt ttgacctcat gtatgcaaag cgagcctttg tgcactggta tgtgggggaa 420
 ggcattggagg 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 ctcatcgga 120
 gcgacagtga aaacattgcc agtaactact tccgggtcaa gcgagccagc cagatcctca 180
 gcacggatcc catgaagagc ctcacgcgtc acagctcgcc gcntggcctc agtccccccc 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

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gggtttctcat gtatcagcca tcttctgtaa ggggtgccag tgtgacttcg gttgatcctg    60
ctgctattnc gncnctatta acagactact cagtaccatt ncaccacacg ccaatatcaa    120
gcatgtcatc agatttg                                     137
```

<210> 10881

<211> 337

<212> DNA

<213> Canis familiaris

<400> 10881

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tctcccagag gaagatcacc attgttggaa ctggtgctgt gggcatggcc tgtgctatct    60
gtatcttact gaaggatttg gcggatgaac ttgcgctcgt tgatgttgca gtggacaaac    120
tgaagggaga aacgatggat cttcagcatg gcagtccttt ctttaatact tcaaagatta    180
cctctggaaa agattatagt gtatctgcaa actccaaatt agttattgtc acagcaggtg    240
cacggcaaca ggagggagaa agtcgccttg ccctgggtgca acgtaatgtg aacatcatga    300
aatcaatcat tcctgccata gtccaacata gtcctga                                     337
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<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

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gggagaagcc cacagttaac ttggaggcca cagccaatca gaaaaaaaca gagtcaaact    60
caaccccaaa gcctgagagt ggagggaaat taaccaagca agctgctgag ggcaaaccaa    120
gaccagacc tggagacctg attgagattt ttcgaattgg ctatgagcac tgggccatct    180
atgtggaaga tgactgcgtg gtccatctgg ctcccccgag tgaggagttt gaggccggca    240
gcatcacttc tgtcttcagc aaccgggctg tcgtgaaata cagtcggctg gaggatgtgc    300
tgcattggctn ttcttggaag atcaacaaca agctggatgg gacgtacctg cccctgcctg    360
tggaagaagat tatccagcgg accaaaaaga tgatcaacaa gatagtacag tacagcctga    420
ttgaagggaa ctgtgaacac tttgtcaatg acctcagata cggtgtggcc aggagccagc    480
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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 tctaatacaca gcttcaagat cagagcaagt aaagctttta attcagagat 180
tacaggataa actcagacag cacagcaacc acacattcta tctttttaag gttctcagag 240
cacacatact gccattgact aatgttgac 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 cttttttacg 60
gagggaaagt ccacagggtc acagcagaag tgaaacacaa cccaaccaac accattgttt 120
gcaaagccca cggggagtgg aacggtactt tagagttcac atacaacagc ggagagacca 180
gggtcatcga cacaaccacg ctgccagtgt accccaagaa gatcagacct ctggagaagc 240
agggggcccat ggagtccagg aacctctggc aggaagtgc cagataacctg cggctggggg 300
acattgatgc tgccaccgag cagaagcggc gcctggagga gaagcagcgg gtggaggaac 360
gaaaacggga gaacctgcac acgccatggc agcccaagta ttttatccag gaggggtgatg 420
gctgggtata cttcaatcct ctttggaagg cacactgat 459

<210> 10885
<211> 537
<212> DNA
<213> Canis familiaris

<400> 10885
gaaaggctcc cttcagaata ttgaaactg gaagtatgaa gagtttagtt cgccagctta 60
acctttatgg atttagtaaa atgcgacaga attttcaaag atctgcttct ctggctgact 120

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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 tttaaattgtg 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 tggattcggt cgtaaaggac atcttcgagc 240
gcacgctga cgaggcctct cgcctggccc gctccaccaa gcgctccacc atcacctcca 300
gggagatcca gaccgccgta cgcctgctgc tgccggggga gattggcaag tacgcggtgt 360
ctgaggccac caaggccctc atgaggtaca ccttta 396

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```

<210> 10887
<211> 96
<212> DNA
<213> Canis familiaris

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```

<400> 10887
atcacacagc tgtttgaagg gcagctcaac tacagcatca tgtgtttgaa gtgtgagaac 60
tgtacttaca agaatgaagt cttcaccgtc ctctct 96

```

```

<210> 10888
<211> 533
<212> DNA
<213> Canis familiaris

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```

<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 tacaaccgc tgagtaagca gaaatcagag gaagagctca 180
 aggataagaa tcagctctta gaggccgtca acaagcagct acaccagaag ttgactgaaa 240
 ctcagggaga actgaaagac ctgactcaaa aggtggagct gctggagaag tttcaggata 300
 actgtttggc aattttggag agcaagggcc tcaaccagt 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 ccagtttttag 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 gaggggaagtc tagtttcttt agtgatcgtg gcagtggatc aaggggaagg 120
 tttgatgatc gtggccggag tgactatgac ggcattggca gccgtggtga tagaagtggc 180
 tttggaaaat ttgaacgggg tggaaatagt cgctggtgtg acaaatacaga cgaagnnnac 240
 nngncaaaac cgctcccacc gagtgaacgc ttggaacagg aactcttttc gggaggaaac 300
 actgggatta actttgagaa atacgacgac attccagttg aggcaacggg caacaattgt 360
 cctccacata ttgaaagttt tagcgatggt 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 cttnacagcca cagcaaaggg gtttcctggg 60
 ttaggggttg tgnctggct 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 ttttangctc ttcgaataca gactttgcan aatgntagca 120

tggtacagtc tgaaatcagt gaaatcttga acaaaagcat tattgatgta gaaaaccac 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
 agcaagtgt caagacagcc ctggtgtcag gcgtcatcca ggcctgccc gtgccagggc 60
 tggcggccgc ctacgacgac gctctgtcga tccgctcgct gcgtggctac caccgcagct 120
 tcggcctgga tgacgactcg ctggccaagc tggctgagca ggtgggcaag caggcaggtg 180
 acctgcgctc cgtcatccga tccccgtgg ccaacgaggt ctgcccggaa accgtcctgc 240
 ggctctactc acagtcatct gacggtgcc a tgcgggtggc ccgtgccttt gagaagggga 300
 tccctgtgtt tggcacgctg gtggccgggg gcatcagctt tggcaccgtc tataccatgc 360
 tccagggctg cctcaatgaa atggccgaag acgcccagcg ggtccgcac aaggccctgg 420
 aggaggacga gccccagtct gaggtcagcc tggaggcagc cggtgacaat ggtgtggaaa 480
 agcggggatc tggggagggg ggctgtgagg aagcaccgct ctgggctcgc cggaagcttg 540
 gcctcctcct caagtatatt ctgacagc 569

<210> 10895
 <211> 461
 <212> DNA
 <213> Canis familiaris

<400> 10895
 gtcttcgtgg ccctctttga ttatgaccct ctggtgatgt ctgccaaccc cgagggttga 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 ccagggtcctc 300
 tttcctatac cccaagggaa cccgaggatg tcaccactgt ggactccaac aactatgatg 360
 gcggctttgg actatgaccc caaggatggg tgtgcagggg gcagggtgaa gggcaagctg 420
 tcaactgaggg caggggatgt ggtcacggtc tacgggctg 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 gcctgccaaag 240
 gtggctcaca cgcgcttga gacccgaaca cgcaggccca acgtagagct gtgccgcat 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
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 catgggcagg tcacttgggg catgtcctgg gccaaagtgg ccaggcacgc ctccaacctc 120
 aaggtcaact tcttcttcga gcgagtcatg aagtatgagc gcctggcacg gatcctcttg 180
 caggagatcc ccatccggag catcagtctg aggagctgct acttttagcga cccagactgg 240
 tccatgaggc ccacgctgac agatctcctg cccaccttcc ggaacactct gcagaaacta 300
 acatttgagt tcaataacaa ccacgagtcg ctggacgagg agctgcacct cctgggtcttg 360
 tcctgtcgaa agctgttcta cttcaagatc tgggcttttc ttgacgtcaa gtttgaggag 420
 cggatcctga agagtcagga ggaagggcag tgctccctgc gcactctcaa ggtgagaatt 480
 tacacaaacc gatagagac aaatgacgag gacaggacgc tgcg 524

<210> 10899
 <211> 328
 <212> DNA
 <213> Canis familiaris

<400> 10899
 gttgctaacc agctagatgg ccacatgaat gggcaaattg tagaacatct aatggactca 60
 gtgatgaagt tatgtctcat tattgccaaag tcctgtgact ctcccttggc agagctagga 120
 gatgataagt ctggagatgc gagcaggcca acttcagcct tcccagatag tttatatgag 180
 tgttttaccag 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
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 tactcattgc tcataagta tggaacctca aggtctttgt gataatggaa accaaaaaat 120
 tgatttgtaa accgcttcaa ccagcaagac ctgttcgtca tctgacttct ccccctggag 180
 cagtgttccc tttcaacttt caaaatgaat attcatgcaa cactcaatgc ttacaaagtg 240
 gagtttagcag atgtaagacg aatggaatgc aagcctttac tcaaggatcat aatgaacaac 300
 agcaacatca gtctccagtt aaaaaagaga gaattaagta cagcagagat ttctgntga 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 tgtaaagtct ttgatgatc 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 accccagtag cagccgcca 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 gctgaccag ctgggcatca cccatgttgt 60

gaatgtggct gcaggcanat ttcaagtgga cacagggtgcc aagttttacc gtggaatgcc 120

cttggagtag tatggcattg aggctgatga caaccccttc tttagacctca gtgtctactt 180
tctacccatt gctcgataga tccgaactgc cctcagtgtt cccaaggcc 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 ccctcccaa gcccaagccc ggtgcaagaa ccagctctac agtcaagagg 240
caaggagaac caggtcccta gaggtcagg cccaggtctg cccagttcca gtcccgcaga 300
gctccctggc ttggggcagc tgttggagga gctgcagtgc cagctgattc tgccacaggc 360
cttccccagg aggaacctag tgcaagaagc cagggatgcc attgtgagca cttacaggc 420
ctgccatggc tgtgtgcctg acctaccct ggtgctccgt ggctgccagc cgcccttacc 480
aggtagcct 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
 gtaacccttg 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 aagaccaaata ataagataaa tgtgaaagaa aattctcggg 180
 ctttgccgcg tttatatcag gaatgtgaaa aactgaagaa gctaattgagc gcaaattgcat 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
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 aaattgacct atacagagat tcatacaggaa tacaagaac 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 gctgaccaa 120
 gaagacacag tgagacacat ggagacaatg ggggaagcgaa tcttgccaat attggatttt 180
 attagaagca cccaattgaa tgggagtttc cacgggtgct cagggtgtgat ggagaagttg 240
 caatatgcca gcctcctcag ccagctgcag agagtaaagg agcagtccea 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 ctctggctc tatggatcat caagcttcag ttcagcaact 120
 ttcaggtgag tacttttcac ttggaaaccc atcagatggt gaggctttat atgagactgc 180
 tgcaggtgag aacactttta gtgagcacac ttcaggtgag catacttccg ttgagcactt 240
 ttcagctgaa cattcttcaa ctgagcatac ttcaggtgag cacacttcag gtgaacacac 300
 ttcaggtgaa cgtgctacgg gtgaacacac ctctagttaa catgctacaa gtgagcacac 360
 ttctggtgaa cagcctt 377

<210> 10913
 <211> 398
 <212> DNA
 <213> Canis familiaris

<400> 10913
 gaaggatatt ccattctgtca gcagcactta atttgaata acatggaact tgaagatgaa 60
 ttttgcttga atgattacaa tatatcagaa ggttgctac tgaagctggt attggctatg 120
 cgtggggggac ctataaatac tagaagagtt cctatggaag atccacttag ggagatggct 180
 gagtacatgg attccattcg agatgaggtc tgggagaaga cctcctgcaa caaacaagtt 240
 acatttttgg tataccgaga aggagatcaa ctgaatttct ttcgtgtagt agatagggga 300
 gatggcactt taacaccatt atctgaatct ttaagtgggt gttctgtgta taatttgtat 360
 acggatgagg atgaagaaat tgagccttct ccttctgg 398

<210> 10914
 <211> 38
 <212> DNA
 <213> Canis familiaris

<400> 10914
 gcaaaaagggt 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 ggagtccttc atgaagccaa gagccgctgc agatactccc 180
 accagtatga caacagagtg tatacctgca aggcctgcta tgagagaggc aaggagggtca 240
 gcgtagtgcc caagacatct gcttccactg actccccctg gatgggtctc gcaaaatatg 300
 cctgggtctgg gtatgtgata gagtgtccta actgtggcgt ggtctaccgt agccggcagt 360
 actggttttg gaaccaggat cctgtggata cggtgggttcg gacggagatc gtgcatgtgt 420
 ggcttggaac 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
 tccttgctgc aggagccgtc agccttcagc gctcggaagt ccaccctcct gagagactgg 180
 gtaatgagca ggacgtccga cgtgtcctac gagcgcaagc tgaggagcct catggagaag 240
 ggcgcggagc ccaaggccga ggcggtgagg atgtgaagc ccgaggaggt gctgagctgc 300
 cgatacctga ggttgtccaa gaacaacatt cgaaccttgc tcaagctgtg caaggatgca 360
 ggcatgaatg tggacatcca tccccacatg gtcgaaggag agatagatgc caaaaagggtg 420
 ttgcgcccaa 430

<210> 10918
 <211> 124
 <212> DNA
 <213> Canis familiaris

<400> 10918
 agcatagccc tctaagcagc ttgtctcccc ggccacctca gggtcctct 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 gggatgatctt 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 aaggggtggca gccgcatca 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
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 cagtgggggac cttttggata aacatttctga 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 aactttttat 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 gtagcgggtct ccccagcggg agccaggtgg catcccgtg 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 gcagaggggtg	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
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 acgtncanaa agttcaaatg tgacaaaggt cacctggtga aatcagaatt acagnnanct 120
 agccccctcag agtgaccgtg ttgctgtgcc canaatacca cccgagagcc ctggtaacag 180
 tgagcctntg ggggtttgcca 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 ggcattccagg 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 gtgcgggcca 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
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actgctgttaa tattaccaac acagcagatc aggaaatcaa gccgcannaa gccacctcca 120
cagacttcag tccctacaaa gggaagtgtc gttaaaaatc tcacaccaag gaagaaaggc 180
cccaaaaagg aaaaatatat tcctgttttg tgttctacat cttcagcttc tataaattcc 240
ctgaccagag accgtcgtgc ttcataataag gatgttactc ctggcacatc taaaatagtg 300
atgtcaacag tgtgtgtcta tgta 324

<210> 10927
<211> 550
<212> DNA
<213> Canis familiaris

<400> 10927
tagcctgtgg cgcaaacgtt aactgtgcc a tctcctccac agggaataca gccctcaagc 60
tggcagtgtg caccgcatcc agcaaagccg gccgactgct ggcagcaggg gtgagctgca 120
tccgtttgct gctaattcat ggagccaaag taaatgcccg ggaccataaa ggtcaaacag 180
ctatccatga ggcattgttt 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 atagttagct 180
ggatggggac tggcaggcac ccatgctaca gaagcctcca taccaggatg gcctgaaacc 240
agaggggtata gacaaagaca tttggctcca ccagaagatg aaaaacacca actatttgac 300
agaatatgac ctctccgaat ttgagaacat tgggtgccatt 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
 tatgggggtct tctgcaaggg gctgactcgc acgctgtcga tcttcttcga cctggcctgg 120
 cggctgcgca tcaactttcc gtacctttac atcgtggctt cgatgatgct caacgctc 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 tctgttgga 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 ttctaattggc atgaaagatg 60
 atccacatgc tggaggtagt atgatgatgc caccatcaa tctaactagc agtaatttga 120
 tggcttcaaa tccaattca aatctttccc atccaaattc aagggttgact 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 cttttcacia 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
catttgtggt tgaaagcagg aaagaaattt tataatccat cactcaactg gttagaacct      120
aactgagcac cttttaaaac ctgccgcaca ttggactcaa aacaaaagga aaactggacc      180
aacagtaatt gaggatatag actcttatat tcattcatgg ctgcagtgtg agctccaggc      240
cctttggggt ttatttcaga ccttgctgta atataaaaag gaagtttaca agacatgaca      300
ttgctgcttt tacaaaagga cattctattt attttcgcag taattctcat gtccccgtaa      360
gcagagctgt cacagtgtgc actaccttaa actgtttcgt tagtgtcatt attttttccc      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 tgnnnnnnnn ggaagnannn nngcctgatg	60
aacgatggat gagctatgaa gaacgacacc tgctggatga actctatata acaaagcgac	120
ggctgagaga aatagaagaa cnactacatg gattgaaggc atcatccatg acacaaacac	180
ctgccttaaa atttaagggtt gagaattttct tctgcatggg atccccacta gcggttttct	240
tggcattgcg tggcatccgc ccaggaaata gtggaagtca agaccatatt ttgcccagag	300
aaatttgtaa ccggttatta aatatttttc atccaacaga tccagtggct tatagattag	360
aaccgttaat actgaaacac tacagcaaca tttcacctgt ccagatccac tgggtataata	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
tgacctgaatg gatgaatgtt tgataaggct ccattacagc tgatcccaca gcagttactc	120
gcagggtca 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
 gcgccccctt cccatcagca gcctcctgca gccacgtca 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 tgggtccatc cagtatatcc 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 tttaacaacat gggttgcaac cagaaattag ccacagtttc atcaaattcct 360
 acaccactaa attcactgcc agagttctac tgttgt 396

<210> 10939
 <211> 552
 <212> DNA

<213> Canis familiaris

<400> 10939

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ggcaagatat ccagacagct agagaaagac aatgagcagc aaacattatt ggatattcag      60
cagaatttac agattgctac aactcaaaga ctagaggata aaattcagaa acttcagaaa      120
cagctcagtg atttgaaatt gtcaaataaa agtatgaaaa ctcaacttac aagagtaaatt      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 tgaagatggt gggatttaatt 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 cgcccagtg atccaataga atatttagca ttgtggattt ataaatataa      120
ggaaaatgtg accatggagc aactgagaca gaaggaaatg gctaacttgg agcgggaaag      180
agaactagct gagattgagc aggagatgat ggagaggctc aaagccgaag aactcctggt      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 aagggtctaca 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 tgcagtgggtg 120
 gctccactga caatattagg ggggcctctt ctcatcagag ctgctgggta caccgcaggc 180
 attgtgggag gcctctccac tgtggccatg tgcgcacca gtgagaaatt tctgaacatg 240
 ggagcacccc tgggagtggg tctgggcctc gtctttgtat cctcactagg gtcgatgttt 300
 ctcccaccta ccactgtggc tggtgccact ttgtactcag tggcagttta tgggtggatta 360
 gttctcttca gcatgtttct tctctatgat acgcagaaag taatcaagcg tgcagaagta 420
 ataccagcgt atggagtcca aaaatacgat cccatcaatt cgatgctgag aatctacatg 480
 gatacatata 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 cctcgtgag 180
 ttggaggaac aagcagcctt ggcaaacaac cccaattacc aggttgggtg 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 agaggggtgat      360
atcgatatgc ttggtgaaga atttaggaaa gcatatcaga aaaggagtga aattttgtgga      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 tcagaagggtg cagatgttaa tgcaaggcac agacttggct 120
ggacagcact tatggtggca gccatcagcc gaaacgacag cgtagtacgg atcctgcttg 180
ctgctggtgc tgacccaaac ctgggggatg atttcagcag tgtttataag actgcgaagg 240
agcaggggaat ccattctttg gaagtcctgg tcacccgaga ggatgacttc aacaaccggc 300
tgaacaatcg tgccagcttc aagggtgca cagccctgca ctatgctgtc ctcgccgatg 360
actatcgcac tgtcaaggag ctgcttgatg gaggagccaa cccctgcag aggaatgaaa 420
tgggacacac acccttggat tatgcccag 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 aagggtccatc atggccaagg 120
agtgcccgct gaagggtggcg cagacgaggn tggantgccg gacccggcgt cccaatgtgg 180
agctgtgcaa ggacatccca caattcaagc ttgtgaatga ggtgttcacc attgatgaca 240
ccttacagac cctcaggctg agactgcggg agacgcagga cacgctgcag ctgctggtaa 300
tgaccaagtg ccggctggag cagagctgg ccatcaaagc caacaccctc tgcacgaca 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 atgaccacc ctcattggga cgagttcctg      60
cctgtgttgg ccagaggatc cgagcgggag acgggctaca gccgagtga tgagaggatg      120
ctgaacctca ggggtgttgc ttcaggccca gaacctagca gcatgagcca ccggcagttc      180
cagccccac agcgggtaca acagacaaac attgccctgc tgggccggga gaccgtgggg      240
aacaaggagc ccacggggta cagccttaac aacccagct acgtccggag cccctatgac      300
cccgacatgg acaatcggta cctgagcacc tacaaccaag ggtactttga gaatatcccc      360
aagggctctg 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 gcctcccgatg attatcctag cttcttttct      60
tgattctcag cttgtgttct ttgattgttc ataactctggc ctttaaataa aaagggccat      120
catttcatta atgaaaaaaaa agacttcaaa gaaatggttg atccaccctt ctccacctga      180
tttttcccc ttggaagagg cagcaataaa aaataccagg atgaagtttg gttttctgtt      240
ctggatccaa ggcaagaaga ttgagaatct ttgatgcctt acctgggacc ttcttcatat      300
tggtattggac taaagaagct aaatgcnagc acaccctgga tgtgggcaaa tgaagatgca      360
ttcaacaatt ggttcaaaat tgaaggaaat ggaacgtgtg ctttcattgt taagaagggc      420
ataagcagta ccagctgtga tgatgcaata aaatatatat gcagcagaga agccctttgt      480

```

cttttagat

488

<210> 10951

<211> 475

<212> DNA

<213> Canis familiaris

<400> 10951

tggacagtcg gaacttgcct ctcagccgga cgttcaccat caccttcatc ttgcttgcct 60

ccttcgtcct cctcagtatg tttgtgggtg taatgatcat tcacactgag gactccatta 120

aaaagtttga gcgggagctg atgctggaga gacatgtgac actcatggaa gagaagcagg 180

tgattgtaag gcggcagcag gaagaggtca gcaagctgat gcagatgcag aaaaacgctg 240

actacaaaag ttttagtgag ctgggtggaga acttcaagaa gaccctgcga cacacagacc 300

ccatggctctt ggatgatattt ggcaccagcc tgccttcat cgatgtctat ttgtccactc 360

tggacaacca ggacaccaca gtctacaagc ttcaggagct gtactacgag attgtacacg 420

tgtttgagcct gatgcttgaa gacctgccgc agaagaagca gtcccagtc tccga 475

<210> 10952

<211> 527

<212> DNA

<213> Canis familiaris

<400> 10952

gtgggcacct atacccaga aatggcaaga aacgaggagg ccatccagga gcaccaacaa 60

ctgataagcg atcgagtgtg cgcctcgctg ggcgagaaga tgcgtgagac cttggagctg 120

aaggaaagaa tgaatatgac cttaggactc atgaggggaa ctatccatcg gtgcacgaaa 180

ttcaaccagg aaatgtacat cactcggggc ctcacaaagg gtcctctgtc aaaaagtcac 240

ctggagactc gagagaaact ggatagacct ctggttcggg tgtaccagag acacgtgggc 300

accagctgc ccgaagcctc gcgcctcgct caggggtactg acaagctgca gcgccacatc 360

tcgcacgtgg aaaaaaacct gaaggagctg ctcgccacgc acaagaacct caccgggagc 420

ctcaactgca agaagaccgg gtatgaagtg gactacaatg tgggtgcgcct gcgcctccgc 480

cagcggcacc cgcacgtgtg ctacgagcag gcgcagcgtc tgggtcaa 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 gacatcccg 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
 atcttcctc 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
 gaagacagag gaagaactca cagaaaacat tgggcttccc ctgaatatgc ttgaaaaaca 60
 cagcccttgg ccagcctatg tcacatatat gtctccaatg gtgaaaagac tcattgagaa 120
 aagcaaagct agagacctgg aatgcaagca agcacttgag gaaagccaac ggacatcccg 180
 gcagagcaag ccttccagca tcacacacct gaaaaggaga aagtcattcta agtcctctgg 240
 aaatatggtg ttgaaggaca cgaggtcaga ggccatgtta tcgatgtgga gctcgtactc 300
 tgtaccgact gtgggtccta ctgttatccc ggagccagtg tgccttcata cggattccag 360
 agaaaatccc actgcaaact ataacaagat catcttcctc cgaaaaccta tgatgaggat 420
 gcttcngta cagctccctt ctagccagca aggaaaaaca ttcaaatac 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 ttttaagtaca 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
 ccattctgcat ttccttaciaa 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
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 gaagaatcct cagtgggtga gctcattaag gaagcagagg agatgaagca gaatctggaa 180
 aggaaaaaca agatgctttg gaaggaaatg gagatgctat ggaacaagac attcgataca 240
 gaagaccttg gtgatcaaca aaaagcacca cagataaaaa acaaagcaga cttgcaggat 300
 gggaaggcaa gctctttctt ccaccaggaa aagcaacaga ggaaaatgga atggggtcagg 360
 taccaggaac aagccaacat ccttcagaat gactttaatg gcaaagtgat tgagctgaga 420
 attgaagcct tgaagaacta ccagaaggcc aatgacctga aattatcact atacttacag 480
 cagaatttgg aaccaaagca agcatatttt catcttctg 520

<210> 10958
 <211> 560
 <212> DNA
 <213> Canis familiaris

<400> 10958
 gccctgaca ctgacgacga ggagaagccc ccacatcagc actctgcagt ctgctccac 60
 aactgggatc accccacaga ctgggaaggc ttccagtcca caaagggctt ctggggcccc 120
 tggccccagg atgctgtgga gcccgctccc cagaccattc gcttcagca 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 catcccccg gtcgctcct cgggcccgtgt agtgtacgat 420
 gcccgatgat 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

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 cttctgccct ggtgccccgg ggctcccggc ccgaggcccg ggagcactgt tctccacagg 120
 cccacaggcg gagcctcccc agccatgcgt acagccagct caaccgcagc cccacccat 180
 ccaccggcca cttgggctac agctcccggg atccccacga ggttcggcgc cgagcggctg 240
 aatgggcaga ggccctaccc gctcggcacc ccctaacagc ctctgcctcc ctactatat 300
 tgggtgagac ctcataccaa cgggccccag cccccagctc ggccctggtc cccactctt 360
 cccagccctt gtctgccgac caggctcccg agcccccca agcccagccc accttcatgc 420
 cgctcagcag gaccccaggc ggcaatgcag gctaccaggt gtatgacagc ctggagctga 480
 agcgacaggt gcaagagagc cgagcgaggg ccagctctct gcctccacct tccacctcgg 540
 cctccaggcc ctccctgcac aggagccgga ccgggaagct tcaactga 587

<210> 10960

<211> 555

<212> DNA

<213> Canis familiaris

<400> 10960

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 aataaatata actaaaacag gaaagctgaa ggtgaaagat tttctggagg ctttgtctgg 120
 actttacacg tgtactcttt cttataagac tgtcagagca gaaacccaag aagaaagtat 180
 agtaaagcaa agatatgact ttctgatctt tgtcaatcct tttgcaccag ggtggaaagg 240
 tgcattgcaag gattctgttg attgtgaaga taccactaat cataatatcc tccaggcaag 300

agatcggata gaagaatfff 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 aaaaaccaa gggaaaaaag gatcaaactc 240
atggtttgtcc agaatttaag aaaaaaaggc ttgtgtcata tgatagaata gaaccagagg 300
atgatgatgt gacaagacat attattagac taagagaaaa gtttggttgg cagacagtgt 360
taccacagca ctatttgag 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 taaaaaata gaaggagaga ttgcaacctt gaaggacagt 240
gacccag 247

<210> 10963
<211> 455
<212> DNA

<213> Canis familiaris

<400> 10963

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agctctgaca caggactgtc cttgtatctg gaatatctcc tggatatatta 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

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<210> 10964

<211> 425

<212> DNA

<213> Canis familiaris

<400> 10964

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atagcacaga catcacaggt tcaatggaca tcatggatat tgcagcggtc acagctgtag    60
agaccccaca tgagtacaca tgctcagacc ctgtacatgc ggtagaaagc attgatttct    120
cagatttctc cgatgtcact gatgtcaccg acgtcacaga tgttccagaa aatgagggtca    180
cagaggcccc agatataaat attgtcactg aagttacaga agtcacagac ctctgtgatg    240
tcccaaactc agagggtcata gtggtgtttg aaaatgatga tatactgagg gccaagcaag    300
aagaaaagga aaaaatggaa aatattctga agcctgggtg tctacgagat acaaaaagta    360
agaatgagtt caaagaatcc tcaaaacatg tcaccatctc aaatgtaaca ctgactttcc    420
aaggt                                425

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<210> 10965

<211> 388

<212> DNA

<213> Canis familiaris

<400> 10965

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aaggctatat cagcgcagtg ctccgggacc agcgtattga cgacgtggcc atcgtgggcc    60
actcggacaa tcgtgcgtg tgggcatcac gccctggcgg ctttctggct gccatatccc    120
cgcaggaggt ggggtgtgctc acagggcccc accgccgcac tttcctgcag gcagggtctga    180
gcattgcagg ccgccgctgc tgcgtcctcc gtgaccactt gctgtctgag ggcgatggcg    240

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ttctggacgc acgcactaag gggctggatg ggcgcgccat ctgcgtaggc cacaccccgc	300
gcgtgctcct tgtgcttatg ggccgtcgtg gcgcgcacgg cggcatcctc aataagacag	360
cgcatagaact gatcaacggg ctccgcac	388

<210> 10966
 <211> 352
 <212> DNA
 <213> Canis familiaris

<400> 10966	
tagctgcaat tgataatggt ctggcatttc cctttaagca tcctgatgag tggagaacat	60
atccatttca ctgggcttgg ctctctcaag 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	
catgcccacc ttcttacaga tgtgtgagcc ctactttctc tacctggagg cagctgcacg	60
gagtgtgccc cccatctacg gagccctgca ggagctggtc cgaaaggggg tgtgtaaaag	120
gggagccctg cctcattccc ccactctcct gtctactgtc agcatctcct gtttcttctg	180
tgggaggttc tccatcagcc ctcccatga agtgtccatc ttcagatact gtgccccagc	240
cgcctacacc gccagccgct tccccgata cctctataag aagatgcat ggaacctgga	300
aaccacccca gagcccagtg gcagggggca agattcccat gtggattact acttctgtg	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
gaggccactt ccgaatccgg caaaacctcc cggagcatgc ccagggctgg ctggggagca 60
aatggctctg gctgtttttc gttgtttgtc tgtacgtgat actgaagttt cgaggagata 120
gtgagaagag taaggagcag aatccttccg gccttcgagg ctgtccattt cgctctccac 180
taaagaaaaa tcaaaatgct tcccccaaca aagactatgc attcaatacc ctaaccaaac 240
tgagatgga 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
tggttgtag cttcttacc tgaaggcaac ttgctccagt tgaccagga agaaattcaa 120
atcttgctgg cgagagaggg gagagagaag ttgtttcttc aaggaatcac cttgcaggg 180
accaaagct 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 tgggtgccacc gagagtgagg cccaggagag 120

ttctcactgt ctgaaggagt ggtgctcctg ctt 153

<210> 10972

<211> 466

<212> DNA

<213> Canis familiaris

<400> 10972

gatggctctt tcctggtacg agatagctct gatcctcggt acatcctgag cctcagtttc 60

cggtcacagg gtatcaccca ccacacgaga atggagcact acagaggaac tttcagcctg 120

tgggtgtcatc ccaagtttga ggaccgctgt caatcagtgg tggagtccat taagagagcc 180

atcatgcatt ccaagaatgg gaagttttctc tttttcttga gatccagggt tccaggacta 240

ccaccaactc cagtccagct gctctatcca gtgtctagat tcagcaatgt caaatccctc 300

cagcaccttt gcagattccg aatccgacag ctcgctccgga 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 gccacaaac caaagaagca agcaaattga gaaactagaa 300

gtagatccta gcaagcgttc catccctgat gtggctaaca tagttcaaga gaaaaaacac 360

aggctccaaa gagttcgagc tgaacccaaa attataccaa gtgaggaaaa tcctgacttt 420

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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 ggtgaggggtg gtacgaggag gaggaaaacc tgttagatgt gaagaagatg atgttctttg 120
 tggaatgctg cactgtcgtg atgtncaga 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 tatgggttttc gaaccagaat aatttttagt atacaccaa cattacttct 540
 actgattatt cgtttaagtc tttttctgat ttcaggcatc actggtgcct c 591

<210> 10976

<211> 578
 <212> DNA
 <213> Canis familiaris

<400> 10976
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 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 ggggtggctcc caccctattg cctacacaga ggttatggag 420
 gtagtgttga gagtggccca gcatctgcca aaaaagggttt ttgctacta gttgtgagtc 480
 ttattttatc tgttttgctt ttattgtcaa ctgctgtatt tatataccat agaaaaactt 540
 tcggtctcaa ggagactaag gctcagtcct cagggttag 578

<210> 10977
 <211> 186
 <212> DNA
 <213> Canis familiaris

<400> 10977
 gtgattttgt ttacactcct ggctgggtca ccaccattct ggcaccgacg tcagatcctg 60
 atgttacgca tgatcatgga gggccagtag 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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 atcgcaaata gcaagaaaca tctggtactt tgtggntagt ctgtnttaca 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

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gcctattatg tgccaggcct ccgtgcgggc ggcgaaatac atgggtgacc aagatgtggc	120
ctgtgaattc actgagctta cagtctcgtg gagaccgcac agcgaangag gcagccctgg	180
tacagtggga tgcggcgcta cgaggagtcn ttcnggggtgc aatagggnc aagaangacc	240
tagaacctca ccaagttccg ggatgaagtg gaaacattcc ctgagtgaag tgaacctgaa	300
ctgaaaccca agaggagtag ggagcacctn gaggggctca gtcgggtaat ncgtctgccc	360
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<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

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ccagttatgc ctataacatt gaatatgaac atggctatgc cttcttggtt tgatattttt	120
gggctttcac cagattcaca ggaggatgaa cctggaatta aacaggcagc agaaaatgta	180
aaagctttga tagagcaaga ggtgaagaat ggcatccctt ctaacagaat tgttttgga	240
ggattttctc anggaggagc tttatcttta tacactgctc ttaccacaca gcagaaactg	300
gctgggtgtca ctgcactaag ttgctggctt ccactacgga cttcatttnc acagggctct	360
atcagtgggtg 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
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 agaagatggg ggccattgac tgtgaaatgg tgggcacggg acccaagggg catgtcagtt 120
 ccctggctcg atgtagcatt gtcaactacc atggagatgt gctctatgac gaatacatcc 180
 ttccgccctg ccacatcgtg gactaccgga ntaggtggag tggcatccgg aagcagcaca 240
 tgggtgaatgc tacacccttc aagggttgac ggggccagat cttgaagata ctcacaggga 300
 agatagtggg gggccatgcc atccacaacg acttcaaagc ctttcagtac ttccacccca 360
 agtccctcac ccgtgacacc tcccacattc cccccctcaa 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
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 aactacgagg acaggaagag ctgggtggag tacctgtccc tggagacgac gcggaaggag 120
 atagtcatag gagggcagga gcctctttcc tcaatttctg accaagcgct gaccccccaa 180
 gatgactgcc ttttatgcac ccacaagggt gctctgttgg tggcggctga gttctgggaa 240
 caaggggact tggaaagaac agttctggat cagcagccta ttccgatgat ggaccggaac 300
 aaggcagccg agtccccaa actacagggt ggcttcatcg acttcgtgtg cacgttcgtg 360
 tacaaggagt tttcccgttt ccacgaagag atcctgccc 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 ccttgcatac tggaggccca actcccagat cctgagctgt aacaaatgcg 60
 ctacatcctt taaagataac gacaccaagc atcactgccg ggcctgcggg gagggcttct 120
 gtgacagctg ttcatccaag acccggccag tgcccagagc tggctggggc cctgcgccccg 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 ggagtatatt 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 agggatcatag gaaaagtga 300
 ggaggaagca aaacgtgttt acttgcaacc caaggagggg caaaaaccac tgaaactctg 360
 tactttacta caagaaactt ttcaggatga agtggtgatt cctagaaaac cgtctgaaac 420
 ttgtgacatt aaaacagtca taaagcctgt gaggccccac acaccaaata 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 cctctatctt ctcagcagga ttcaaagaac gtggcaagag gaaaaaaaaag 60
 aagcataaag aggtacagaa gaagtcaacc aaaagaaatt gttaaattga ctaatcagac 120
 acattatgtt catataacaa ttgaacatga ctcgtgtgtg ttttggttaa tcagagtttt 180
 gtagataaca ttttaacttc tactaagatt atgtttttta catgttttagc 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 tctatcttct 360
 cagcaggatt caaagaacgt ggcaagagga aaaaaagaa 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 tgggtctggcg tccgcgggat gctccttgag ccccttctcc ggctgttncc 60
 tccggggacg gttgtggcca caccgacacg tattttccaa ataaatcatt gttttattct 120
 tgcgggcggcg gggccgaaca cgctacttta tttttaattt ctttcaacaa gcctttaccc 180
 agcactcatc cagcggaanc gcttggtgac cgtttgcagg gagcgtncgc tcgtaggaaa 240
 tctctggact gagcagtcgt ggaagccggc gttggccgcg tccctcctca gatgctctga 300
 ngactgctgc ggcttcccgt taaccccggg gtgcacagag cccactcca 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

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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 ttgctgggaa gttcagagca      300
gcaacacagt gcgagttctc caagcaggag ttcatt                                335

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<210> 10991
<211> 444
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

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<400> 10991
gcttcagaag aaacacctcc agcaggagaa ggagtgcctc atgtccaagc tggtagaggc      60
tgaaatggat ggagctgctg ctgccaaagca 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

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<210> 10992
<211> 398
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

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<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 ttatctgccca 60
 gtttttccag ctgccttcta cccaaccag caccctctcc 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 ttncacccc 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 ggaaccacc gtggtcgatg 120
 aagtgcgcac ggggacctac aggcagctct tccaccaga gcagctgac accgggaagg 180
 aggatgcagc caataattac gccagaggcc attacaccat cggcaaggag atcgncgacc 240
 tggtcctgga ccgatccgg aaactggcgg atctgtgcac agggctgcag ggcttcctca 300
 tcttcacag tttcgggggc ggcaccggct ctgggtttgc atctctgctc atggagcggc 360
 tgtcgggtgga ctacggcaag aagtccaagc tggaatttgc catctaccg gctccccagg 420
 tgtccacggc cgtggtggag ccctacaact ccatnctgac caccacacc accctggagc 480
 attccgactg tgccttcatt 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 ggactccgc cacagaagca cagagcataa aagtgtggag 60
 ctgcggggtg cagagcctcg agcctcagag cnnnnnnnnn nnnnnnagag gaagttggac 120
 cagcgaagca tcgacaagag gaaccagac 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 ttttttcttg catattggca 120
 cacttattac aacaatgtaa ttgctatcac catctttttt gcatggataa agaacatgtt 180
 cttggcaatt attaatgata cctattctga agtgaaagct gattactcaa taggcagacg 240
 accagatttt gaacttggtg 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
 tgagggggaga gatgcagaaa gacacttttg taccaccccc atctgcacct gtgatctcaa 120
 acactgtgca ggggtgcgagc 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 gaccagggga gaaaaaaact 120

aancaacaaa aaccatgaaa acaaaatatc agccacgttg taaagaacaa cagtcagaag 180

ctagaaagga ccagaaggca aatgaaaata aaattagaca ttttttttca cattatactg 240

aagagatggc ctgngagtgg ataccaataa actaaaaaaaa atcacntttt 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 catgggcca 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 gcattcttaag 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 ctgagatggt gcccctatgcg aggtcactcg 60
 tcgtgtagac gctgcctttg tgcagctgag ggaacagtac ctcttgcccc ttgccgcaca 120
 atacgtatatt 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 tgctgcccag gtggtggagg atcacgcaca gctcccgtg gatagcgcag 60
 gtgggagcct cggagctcag cctcctggcc ttccgacctg tgctgggtcat ggtctttctc 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 cctacctggc 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 tgcgttcacg gagctactgg ccatgagttt gcggtgaaga 120
tcatggaggt gacagctgag cgactaagtc ctgaacagct agaggaggtg cgagaagcca 180
cgcgggcgaga 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
gagagatata aaaaaattgg tgacaccaaa aggaacactc ccattgaagc tctctgtgaa 120
aactttccag aagaaatggc aacctacctg cgatatgtca ggcgattaga cttctttgaa 180
aagcctgact atgagtatct acggaccctc ttcacagacc tctttgaaag g 231

<210> 11004
<211> 240
<212> DNA
<213> Canis familiaris

<400> 11004
gaaaatgcc aatgtcttggc ccgaggagca gagtctctac tcttcataga gagacctgac 60
ttctttgatt acccagactc agaccaagcc aggatcctgg ccgtggccca gtttattggg 120
gagaaacctg tcattcttgt taactcagga tccaactctg agttcttcca tcacatcctg 180
gtgggcgctc tgggtggtggc cttcctcttc ctctgtacc agttcttcat acacatgtaa 240

<210> 11005
 <211> 134
 <212> DNA
 <213> Canis familiaris

<400> 11005
 ccagttccac aggatctttg gaagctcccc aagttatittt 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 cccctccac ccttcggcct gtcacagtc ctagtggccc 60
 aacatggtca gtacagtcag accccaagc tcctgagagc cacttcaccc ctcctggaag 120
 caggagcctt caaacagggtg gctttgcgtg ggagggagag gtagagaaca acacgtataa 180
 caaggctaca ggggtggtcc ctcagcacia 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
 atctcgtgtg ccttcaaccc agaggctgaa gtgatgggtg atgagactgt gaggcagggtg 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 gatacgcggt tctggagctg cgccagggtca 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 gaaccagat gcaaaaaatt cagaactaat tagaaaaatc 180
 gcccaacttt ggagggaact tctgaatca gagaaaaaaa tctatgaaga tgcttatagg 240
 gcgactggc aggcatacaa agaagagata aacagaattc aagaacagtt aactccaagt 300
 cagatcatgt ctttgaaaaa agaaatcctg caaaaacgtc taaaaaagaa agcattaata 360
 aaaaaagag agttaacaat gcttgaaaaa 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 aacagattttt gaggacatga aggtaatttc tcggcatacg cgggcactcc 120
 tgggaattga agagccattg ttcagacgct ccatcacct gccctacagg gacaatattg 180
 gcttattttt agagcaaaaa ggtcactg 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 ccacttggtg 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
 ctctgccag 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
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<210> 11012
 <211> 345
 <212> DNA
 <213> Canis familiaris

<400> 11012
 aacaaaattg aatgctctaa gctggaacat aggatctata tagccttgct tgtggcccaa 60
 caccctggcc ttgtgtacaa aaatgaagaa atattgcaat agcaaagggtg aacatctaac 120
 actagctgtc tcctgctaga tctcctcgct cagcatttaa ctataaatac atgtaaaaat 180
 tacatgtata tggctatatt aaaatttgct aaatcctaga agagaaaaaa aatcaacttt 240
 gaatcacaac taggaattga tgctttaatt aatgggaact ttttcagaat ttttaattta 300
 ctatgggtcca gcctaagatc ctcatttgta tcagggtttg 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 tttanccgcc caccatcggt gtgtctatcc gggtggacct 240
 gaggtgccac ggatgttgga aaatcacatt agaaattcaa aaacatccct tcagagggat 300
 ggatttatta atatacctaa tatacagagt gaaaaggaaa aacaggctaa agacatcgaa 360
 acattatcca ctccgttagt ggaggatata gggaggactt catggaagga atcaagccaa 420
 tggccaggga acaacatcca ggagacagct ggtgaggga attacgatgc tgatttttgc 480
 attgccaggt tattgtccat tttggatcag aaaataggta ttctgactga gattcaaaag 540
 aaactgaaat tattacgagc tgacctcaa 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
 gcccccttca 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
 gcccccttca 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 ttaccctgtc ataaatcaaa gtattcagaa ggggtcataa 300
 ttcagcaagt gaatgatgaa acaaattctg 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 aggggtccagg 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 cgggtgaaga 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 tggttaagcat 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 ttcattccagg agaacgacca gaaacggatc cgtgccctga 180
 agaaagccaa caaggagcgg gagctgaaga ggcagcgggt gcgcgagctg gccaaaggcca 240
 agcaggagat ggcggccctg aggctggagc accagaagct gagcatcaag ctgcaggact 300
 actccatttt caacaagtac ctggagaagg tgggtggagaa ctcagaggaa tctcgtggg 360
 cacacatcca gaacactgca gccaaagaaga 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
 aacttcagtt ttgacctcaa gaccacctc accaataccc ccaattcaac tgtgttcaag 120
 ctcttcatta ccaactggcag aaatggtgct aatcttaaag gatcctgtac cccaagtcag 180
 gccttggcca ttacaacaat acttcttctt gagactcttg tgctatgcca tgtgcagttc 240
 agtaatactt tgctagacat cccagcaagc aaaatcttca atgtccatgc aggttttcag 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 agtgggtggat ggccgcttcg 240

<210> 11026
 <211> 376
 <212> DNA
 <213> Canis familiaris

<400> 11026
 caggtcaacg ctgggcactt gtctgtgcag cagcacacgc atcctacttt ccatgcactg 60
 cgtagcctgg atcagcagat gtacctgtgc tactctcagc caggaatccc caccttgccc 120
 accccagtgg aaataacggt catctgcgct gccccggcg tggacggtgc ctggtggcga 180
 gccaagtgg tggcctccta tgaggagagc aatgaagtgg agatacgcta tgtggactac 240
 ggtggatata agagagtga 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
 tgtcttgcac taggggtgaag aagaacaatg aggaatgtgt cactgccagc acggatggca 120
 cttgcatcat ttgggacctg gtacgtctcc ggagaaatca gatgatcctg gcaaatacct 180
 tattccagtg tgtttgttac caccggaag agttccagat catcaccagc gggacagaca 240
 gaaagattgc ttactgggaa gtatttgatg ggtcggtaat cagagagttg gaaggctcct 300
 tgtctgggtc aatcaatgga atggatatta ccctggaagg agtgcacttt gtcacagggtg 360
 gaaatgacca tctgggtcaaa gtttgggatt ataatgaggg tgaagtgact catgtcgggg 420
 tgggacacag tggcaacatc acccgcatcc ggataagtcc aggaaatcag tacatcggtta 480
 gcgtaagtgc tgatggagct attttgagat ggaagtaccc atttacctca tgaggcctca 540
 gagatt 546

<210> 11030
 <211> 445
 <212> DNA
 <213> Canis familiaris

<400> 11030
 atccatctgt cacctcttta aataggtaca ctgacatgga taccatcaca gaaccagaag 60
 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 aaggggtgtca aggacagctc acaaattggg gaagatcaaa 300
 tctgcaaata gttcaagtgc tataagtaag aaatccagta aaattggctc tttcttcagg 360
 aacttgagag ccatgcctgg ttcaaaaaca ggggtcccat cacacgatag agaggtagac 420
 ttcgtggcta agtcattaga gaagtgaac atagagacga aggtagagaa aaccccagat 480
 ggcaaagacc tggagatctg tagcaccatg acatctgaat caat 524

<210> 11033
 <211> 403
 <212> DNA
 <213> Canis familiaris

<400> 11033
 ggagctggac tgtgccatgt tacgccgctt ggagaaaagg attctggttg atctcccgag 60
 ccgggaggcc aggcgggcca tgatctacca ctggctgccc cctgtgagca agagcagagc 120
 cctagagctg cgcacggagc tggagtacgg cgtgctgagc cagaatgctg cattatgcat 180
 tgtcttgaaa aaaagatcta ttagcatttc aagagcactg atcaccataa ggtcaattat 240
 tgtgtgttta 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 gcagtcgagg cattactaaa agaaccacca gatctgct 108

<210> 11035
 <211> 61
 <212> DNA
 <213> Canis familiaris

<400> 11035
 gatattaata atgaaccgca gcttgggaaca tctcctgata ctgtgcaaca atgaatacaa 60

a 61

<210> 11036
 <211> 555
 <212> DNA
 <213> Canis familiaris

<400> 11036
 gtctctctaa ggagcagacc ctacagaggc agaaccacaga agctgccagg cctggccagg 60

tgcccatgag gaaaagacag ctgcctgctt ccttctggga agagcctcgg cccaccacaca 120

gctacccctt ggggctggag ggggggctgg gccccaggga gggacctccc tatgagagta 180

agaaacactg caaaggcttg gagcccttgg atcctgagac ggccccggtg cccacatccc 240

caagggcacc ggctgaaaag gagccactca agatgtcttg ggtctccctg gtgggcccag 300

tcaatgcctg gagctgctgc cccttccagt accatggaca gcccgcttac gcaggtcctc 360

caggggcctt gcctcagagc ccgggtccccg gcctgggcct gtggaggaaa agccccgctt 420

ccccgggga gctggcccac ttctgcaagc acgtggatgg gccagggcag aaagtgtaca 480

gacccgtggt tctgaagccc atcccgacca agcccgctgt gccccgccc 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
 gcgctaccgg cgacaaagac agggacctgc agatgctgtt acaggaactc tggcggctcc 60

aggcaaagca gaggaggctg gagagagagg tggagaagca caagcttttt gaagactacc 120

tgatgaaggt ccttgagaaa atccccaagg gtcactacga aggggaggag ccagatgagg	180
cgctggtggg gaccatggtg gagcattacg agaagctctt catagtcagc caggacgtcc	240
agaagcatct ggaggcccnc tccgagatga aacagggtcat ctgccagagg ctggagtctc	300
tagaggagag ccacagggct	320

<210> 11038
 <211> 454
 <212> DNA
 <213> Canis familiaris

<400> 11038	
ggccttgggc tattcctacc tggaatccct gctggggaag agcagggagg tcctcaagcg	60
gttgggggatg gaaccagtga cctcatggat gcctgtggta gagctggtag agaaggatgg	120
ctcagtgtcc agcctgctga aggtgttcaa cgaccagagc tcctcggacc aaatcgtgca	180
gtttttgctc 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 caccgaagtc accctattac cttcagtttt	120
ccagggtttt 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 attaatgggt	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 ctactatctt aagaatagaa ctataaggct 180
 tagggtaggt gtggtcaaga tgttttgaat tcagtaaaga aaacttgccc tttgatgttt 240
 aaggatgata taatggatca tataaccagct actgagaatg tttttaaaaa ctaggaagtt 300
 ggccactaat tcagtgtat 319

<210> 11041
 <211> 115
 <212> DNA
 <213> Canis familiaris

<400> 11041
 cgaatgttaa ccagggtacaa tactcagaag ctactgagc tgattttaca gttttatggc 60
 atcagagcag acatgaagag ggagtgcata catgccagga tgaaggccaa taact 115

<210> 11042
 <211> 541
 <212> DNA
 <213> Canis familiaris

<400> 11042
 agccatcagg ccaggaatt cggaactctt ggaaccttag caaactcttt agaagagaag 60
 gtaatgggag aatcaatcag cagtaaaaaa aaggaaaaaa ggaagcatgt ggaccacgta 120
 gaaagttcag tatttatagc acccggcacc gtccgatcct cagatgacct agaagaagac 180
 actggtgata acaaagtact ctccaggact agtcacagtg actccagcat ttacgttcga 240
 cgacatacta acaggtcttt ggaatcggat catttttagct atgttcaatt gaggaacgca 300
 gcagatctgg atgaccgaag aaaccgaatg ttaaccaggt acaataactca gaagctcact 360
 gagctgattt tacagtttta tggcatcaga gcagacatga agagggagtg caaacatgcc 420
 aggatgaagg ccaataactc ggggtgaagcc 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 ggctttatct gccacagtg ccttgtactt atcagtcagt cctggctgaa 120
 gaagtttggg tactataaaa tcatcttaat ttccttctac ctagaaggaa cagcctctat 180
 tgtcatgttg cttcttggac agcaatacta ttactttttg 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 tgcctgggtcc ccctgggcat tgtactaatt cagattttgg tttggagccc 540
 attctcaatc agga 554

<210> 11044
 <211> 557
 <212> DNA
 <213> Canis familiaris

<400> 11044
 attcctgaca gcatactttg cctataagga tggatgatata 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
 gggatatgca 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 gcccttggga cncctcgag agtccttgc 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 aggtgtttta 420
 tattttggag gaagctaaag ccctattcaa tctagaagac tactctgtca gccggataac 480
 actggagcaa atcttctga ccattg 506

<210> 11048
 <211> 352
 <212> DNA
 <213> Canis familiaris

<400> 11048
 agactgagta atgccattgc cctaattggga aagccctcag tcattcttct agatgagcca 60
 tcaactggca tggaccaga 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
 aaaacttttag 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 aacattttaca tctgaaggt 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 gtcattcaaca tcggagtagg caagaacctg gacaagctca acaccctgat 240
 caacttcctg gaccccatgt ttgctgagca tctacgaggg aaggggtgcgg ggactgtgca 300
 gtccctcttc ccctggttct gtctctgctt ccagcacgcc ttcaagtcct tcgacgatgt 360
 ctggaggctc tgggaggttc tgctgacagg gaagccgtgc aggaacttcc aggtgctggt 420
 ggcctacagc atgctgcaga tgggtgcggga gcaggtgctg caggagagca tgaccagcaa 480
 tgacatcctc ctggcctgca acagcctcat cgaccttgac gctgacgtgc tgatctcggc 540
 tgcttgcttg gtttacgtg 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 ccaggggtggg tcccaactac aatgatttta aggtcaacca gataaagcag 60
 gacncagctt ccgtgggggt gcccatcacc cgcctctcct tccctaaccc atcngtgatg 120
 cgcttcgacg ttcctcgggg cagccagaac ggggtgccctc agctgtccaa gcctggggga 180
 cccctgagc tgcctcgtg gaatcagtcc ttcctcttcc aaggtcgaga tggagccacc 240
 aacttctcag aagacacagc cctgggtgctg 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 ttaaattgta 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 gagtttgcg 120
 actactgcag cttttgtaag aaggtgatan cttcaggtgg gataacgttt catgnccagc 180
 catggcataa agagtgtttt ctgtgcagtg gctgtanaaa agagcttgtt gaagaggagt 240
 ttatgtccag agatgattac ccattctgtt tggactgcta caaccacctt tatgccaaaa 300
 agtgtgcagc ctgcnacaaa cccatcactg gtctcagagg tgccaagttt atctgctttc 360
 aagaccgcca gtggcacagc gaatgcttta actgtgggaa gtgctcagtc tccttggtgg 420
 gggaaggctt cctgaccag 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
 tccaccctc accaaacacc ctgtgagagg agccaagttg gagaataaaa cagaggagga 180
 gagcatgacc ttctttgatg ctcttcagtc tctagacaat gaactcaagc aacaatccct 240
 tcagtccaga cattcctggt tgctgtgcct tcctcataac agtccaagc actgtcctca 300
 gctgacttgt gccactcaac cagaaaatcc accccaggtc tcagctctcc tctcagcaga 360
 aggactggt 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 tggcggtatg gcactgctac aggactctac 120
 tatggagatg tcattctgggt gattctcagt gtggaggtgg gtggactttt aggagtaacg 180
 cagcagctgt catcttttga 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 cccagggctg aagtcctgat caatcggatt aacgaggttc agcaagcaaa 60
 aaagaaagcc agtgaggagc tgggagaggc ccgaactgtt tgggaggccc tgcagaagga 120
 aatggactca ctgagtggag agaaagtacg cctgaaagag atcttgaaca aaaagcaaga 180
 gaccctaaga atcctcaggc tgcactgcc a ggagaaggag agtgaggcac agaggaagca 240
 taccatgctg cangagtgc aaggagcgaat 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
 gccaggaga acctgccaat cctaagctcc taggagtcatt caggagaaa gaccagaga 60
 tgcccaccaa ggaaggccct atgccctctt aggcaagaag gactctccct accctggag 119

<210> 11060
 <211> 92

<212> DNA
 <213> Canis familiaris

<400> 11060
 cccaattgaa cgagacctct acctatccct ggaagactta ttctttgggtt 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 cctccccct ctgagcagca ggccttacag gctctgaagg tggaccaccc 420
 aaagatagca gcctggcgct ggggccggaa gataggaaag ctctaccaca gcctgggccc 480
 aggcacctc 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 ctttaaataca 180

<210> 11064
 <211> 503
 <212> DNA
 <213> Canis familiaris

<400> 11064
 atttcttcgg ttccagctct gcaagctctc tcgaagctac tttatcctga agaagaggat 60
 gattttgagc ctggacagcc aaattgttca tctgcttttg gagccatggg gcctgggaat 120
 attggacctc caaacactga agagctcaga gtcatccctc agagcagtga tgaaaatgcc 180
 gaggagatct ggaatccaga agagggtcca gagggagcag agcacgatga catgtgggat 240
 gttagagaaa tgcctgaata tgagggtata ttcaaacagc aggtgggaac tgaggatata 300
 ttcctaggat ttccgagaaa ggattcttca tccgcatgtt gtgaagatct agtgggttaa 360
 attaaactgc caaatacgaa cccttctgaa attaaaattg atatccagga attgatcatt 420
 gacctccgta ctctaataa 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 ttgtgtaacc ccattccctt gggcaaggct ctaacctgct gcaccgtgga 240
 agtaaagaca ctagatgatc gtctgctcan catccccatc aatgacattg tccatcccaa 300
 gtatttcaag aaggtgccag gtgaggggat gccactacct gaggacccca cgaagaaggg 360
 ggatctcttc attttcttcg acatccagtt ccctaccgcg 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
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 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 acaatttggt 300
 tctctaatac atccgcagga gtaatgtgtg atggaatatt tccttctgca gcccctccac 360
 tgtgggtgat gatatgctat aataggttct cacaggccat atnnnagtaa tataaancnn 420
 nnnacatgta catctgtggc ccagtgtcag tgccttaaata gta 463

<210> 11067
 <211> 456
 <212> DNA
 <213> Canis familiaris

<400> 11067
 ggacattcac ctgtttgcc tttcacactt ccatggacga aaaactcact cacctcccag 60
 catgctttgc cactctttta cttacagcaa atccataaca atgaaacagg tgactttcat 120
 gctgctgtca ggaacgatct aatttcagct ctgggtgact gattgcaatt ggctttgcct 180
 catctgataa ttaatctatg tcaccattaa ttggaagaga gaataattac tggcagtggt 240

gacagtgact gttcgtttcc ccagattttcc ccatcgtgtt ggcccaaata aaggcctttgc 300
gattcagtag ttaaagtttg tttaaactgt aacaatacct atgcccattgt gacactttca 360
gacactctgt ctaatgtact tttgtttttg tgtttaccaa tcttttttag ctactgaga 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 caaacagat 180
taaattctat cgcattgagac atcattacaa atcttgtaag aagtatcaag atgaatatgg 240
tgtttcctct atcattccaa actttcagat ctctcaagat tcagtaggga acagtaatag 300
gagtgaacaa tctacatctg ataacacaga aacttatcaa gagaatacaa gttctgggca 360
tcctaccttt aagtgtccct tgtgtcaaga atcaaatttt accagacaac gtttactgga 420
tactgtaac agtaatcacc tatttcaa atgttcctgtg aatcttcagc tagatgagga 480
aaccagtat 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 cactcgcaca gtcaccattg ccaagattga catcacggca 180
aatgaaattc agctaattga cctagaccgg tacccttttt tcaacctgtt cccaccgac 240
actcaacaag ctataatgta tacaggagaa cataccatga agggcttttc tgacttcctg 300
gaaagtcaaa tcaagaccag gattgaggat gaggatgagc tgttgtctat tgaggaaagt 360
gaattgacag aagaggaggc attagctgaa gaaaagaagt taccttttat 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 tgggtgtggcc caccgggacc tcaagtgtga gaacgccttg 60
 ttgcagggct tcaatctgaa gctgacagac tttggctttg ctaaggtgtt gcccaagtca 120
 cgccgagagc tgagccagac cttctgtggc agcacagcct atgccgcccc tgaggtgctg 180
 caggggtattc cccatgatag caagaagggg gacgtctgga gcatgggtgt ggtcctgtac 240
 gtcatgctct gtgccagcct accttttgac gacacagaca ttcccaagat gctgtggcag 300
 cagcagaagg ggggtgtcctt 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
 agaacagata ttactaccc actcaccaac ttagacctta ctccttatat ttgtccagtt 60
 tttcggaaac accctaaata caacctctgt gcagtgggtga accatthttgg tgatctggat 120
 ggtggccact aactgcttt 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

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ggatcatgga catttgcagc tcggggcctt gctgtttctt ggatcccaaa ataactcggt      60
ttggaatgtc cagctgcccg caagtcccca tggaggagcg catctctaac ctgcgcctga      120
gccccaaacc agcctcctgc cattactact tggagaagat ccacccgcct ggggaacgca      180
gggctcccca gtatgccttc ggccaccggt gcccgtagag agtgctggac cccaatccag      240
cccccaacca gtaccagctg cccctcttgt tggggcccag caaccctgtc agccgagctg      300
ctccttgcta tagtctttcc tcggagcaca agagctgggt ctacaaggag aacgtggcag      360
ggggccctgg gccagccgcg cactcccggc ccgagccctc cgtctaccag aaccgcagcc      420
ccacgtacag catggccaag cgatttgcct accccatgga ccgcacgcct cggcccggcc      480
ctggctccca caacgcccag caggtgacgg tgcacaagcc ctgcgc                        526

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<210> 11074
<211> 502
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (258)..(260)
<223> n is a, c, g, or t

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<400> 11074
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caagactcgc cagtgttaca gtcggaaggc cggccgcgag tcggatggtg gttgggaaga      120
atgggaggac ggagaggaca aggacggctt caggcgggag ggtctccacg agcactngtc      180
tttgagatg gagctgcgtc ggggcagcat cctgggaagc catctggagg aagacgtcga      240
ttccaagacc gagagcgnnn tatcttcctc agagtcatcg ctcagtatct cgaagcacac      300
accccatcga gcctactgga tagagcagca gaacaggctg ccaactgcctc tgatggaagt      360
catggagaat gaagctctgg aaatcctcac caaagccctc tggagctacc ggtcagggat      420
tggccgggat cacttcctga ccaagcagct gcagcgatac atcgaggggc tcaagaggcg      480

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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
 naaagtagct catcctgatg agtggggaaa gagtatgggt tatcgcatat cacgaatatt 120
 cggaactgca aatcaagaat ct 142

<210> 11077
 <211> 575
 <212> DNA
 <213> Canis familiaris

<400> 11077
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 cggcggccat ggcattgttc ggggacctgg tggccgcat ggccggcaag gagctaagca 120
 gcctgcggca ggtccaccag agcatggtgc ccctcttctt gcacctgaag gaccactgtc 180
 cgggtgtcgt cacgcaggcc aagttcaccc tgtaccgctg cgcggtgctg ctccgctggc 240
 ggctccggca cacgctcttc tgcacgctgg cgtgggagag gggcctcagc gcccgccact 300
 tcctctggac ctgcctgatg acccacagcc aggaggagtt cggcatccac ctggcgagg 360
 ccctcagcta cctgcacagc cgccaccgcc acatcaagac ctgggcagcg ctcttcatag 420
 gttacacat ctgctaccac cccagggccg 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 gtggggccatt caccaacttc 120
aacaccacct gggaggtggt tccaagacg 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
tgttttttac gttttcagtt tcattctctag acnctgnana aaggacctaa gccatgtgtg 60
gaccataatt gtgaatcttc caaaagactg tctaaggcta aaaatcttat agagagattt 120

tttaatcaac aagtagaagt tctaggcaga cgttcagagc cattgcctga aatatactat	180
attgaaggta ctctccaaat ggtttggatt aatcgctgct ttccagggtg tggaatgaat	240
accctgaaac atccaagatg tcctgaatgc tgtgtgatct gcagccctgg atcttataac	300
ccccgtgatg gaactcactg ctttcagtgc 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 gccagggtgtt cttgcagggg gtctgaactc tagccccata	300
cccacccctg ccgggtcttc agatttggca aagttgattc caggagctgg cctgactatc	360
ccacagctcc tgtgcaaaca atttctggtg actgaggaag atatcaggaa acaggacagg	420
aaagtgaaga cagcaagaca aagggttggcc 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 tctcaatggg gcagtgtctg	240
ggctctgtgca agcttcagat agacttatga aagagctcag ggacatatac cgatcacaga	300
gttataaagc agggatttat tcagtggaac tcataaatga cagtttatat gactggcatg	360
ttaaaactaca gaaggttgat cctgacagtc ctttgcacag tgatcttcag atcttaaaag	420
aaaaagaagg catagaatat attttgctta atttctcttt taaggataac tttccatttg	480
atcctccatt tgttcgagtg gtgttacctg ttctctcagg agggctggta taccctcca	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 cattcgctg caagacccca gtgccatcaa gattgaggtg 420
 gccacttacg ccacccggta ccccgacttc agcaaaggcc acctgagtgc catcttggcc 480
 atcaagggaa acctgtcgag caacgaggtc aagagcatcc ggagcatcct ggacgtcagc 540
 gaggggatgc agcagtcctc caagccccta ttttacttta 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
 gagccagagc attttgttct tcacatgac cagactccag catcgacat cctggaagga 60
 aantggtgcc ctggcccggg cagcctcacc acctccatgc actccttcca tggccaggtc 120
 agcaggaagg gggagggaga cccccccac cccccaggcc caggcttagg ctcaccaggg 180
 gctctggctt cgccaagtcc taccatcc ctaatctcgc gcgctccgc ccaggggccc 240

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tgccctctcct ccctcagccc ctcagctcga ctacccccac ccaaattctcc agaaacagat   300
tttttaacca cgaaccagaa gatgctgaag cctcacagaa cagctccggc ctccgtgact   360
gaggacatgc tacagcgggtg caagtatggc cacattgagc ccccgctggg tggacagcgc   420
ttctttctcaa cccaatacga ggatgagttt gtctccaagt tccagggccc agcagtgttg   480
agattggtca atcttcagga cagccatgtg cctctgggct cccctcacc ctggggctgt   540
ggggctggga acatagaccc tcgggcc                                     567

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<210> 11085
<211> 226
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (159)..(161)
<223> n is a, c, g, or t

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<400> 11085
ctccctctac aataagtctc ttgctgaagt agttccagaa cttaacctcc anatcaacag   60
aattcatctt aacttttata ggtttctgca ggttgggtca actagtgttg ctacaatata   120
gatgacatat tttttaaaat gtaaattgtag tcaagttcnn ntagatttta gtagtttgta   180
atatcatcta acatttttta aagaataaac aacttgcctt gtgacc                 226

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<210> 11086
<211> 252
<212> DNA
<213> Canis familiaris

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<400> 11086
atggtggagg ctgagcacct ctcagcccgt ggctgctgga ctgtcttcac caacttctta   60
tgctccagaa aaggaacact cctgtgtgct gagatgatat tgtgcctggg gattctaadc   120
tggttcagcc tctcaacacc agcatactcc tctctgtcag tagttgagat gatccttgct   180
gagatcttct ttgtcatcta catgtgtgac ctagcctcca agatacaata ctgggtcttg   240
attgatttct tc                                     252

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<210> 11087
 <211> 401
 <212> DNA
 <213> Canis familiaris

<400> 11087
 gaattgcagg gtttgattgg acagttggat gaggtcagtc ttgagaagaa cccttgcatc 60
 cggaagctc ggagaagagc ggtgattgag gtacaaaccc ttataactta cattgacttg 120
 aaggaggccc tggagaagag gaagtcgttt gctagtgagg agcaccgctc acataaagca 180
 gtctggaaca tccttggaac cttgtccgag atccaggggg aagttctttc atttgatggg 240
 aaccgaactg ataagaacta catccggctg gaagagctgc tcaccaagca gctgctggcc 300
 ctggatgccg tggaccgca aggggaagag aagtgcagg 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 agcaggctcag tttctaccag gtctgtttgc aggaagtggc 120
 caagacaaat gataatgagc cacccaaggc aaagaatcgc ccatggatct tcaacaagat 180
 cttgggcacc accgtcaagc tgatggagct gaagcctaac acgagttact gtctcaccgt 240
 ccgtgcagct aacacagctg ggggtggggaa gtggtgcaag ccctacaaat ttgcaactgt 300
 ggccactgac ttgaacagct tccctgagaa caaccccatc cagattactg tgcagcgcaa 360
 ggaacccag 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 cttgtttacat acaagcacag tataaaagga agagctcgtc ttggagtcca 240
 agctttttgct gatgccctcc tcattattcc taaggttctt gtcagaatt ctggttttga 300
 cctacaagaa aactagtaa 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 atgaccaga 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
 ctttttagatg acattttaca acgcttggtta aagctggaga acaaagtcga ctatattggt 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
 caaaagtctt gattgacggc atacatctag tcatcgttct tcagttgagt gtgtttgctt 60
 catcagaaat gattttttaca atctcaagaa aaaccatgtc ccagaaattg agtttactgt 120
 tgcttgtatt cggactcatt tggggattga tgntactgca ctatactttt caacaaccaa 180
 gacatcaaag cagtgtcaag ttacntgaac aaataactaga cttgagcaaa agatatgtta 240
 aagctctagc agaggaaaat aagaacacag tggatgctga gaatggngct tctatggcag 300

gatatgcgga tctaaaaaga acaattgctg tcctttttaga tgacatttta caacgcttgg 360
 taaagctgga gaacaaagtc gactatattg ttgtgaacgg ctcggaacc aacactacca 420
 atggcaccag tggaanctg 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
 aagccagggg ctacagtcgc tgcgagctgg ccaaagtgct ccaggatttc ggcatggagg 60
 gataccggggg 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 tcaactgccag 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
 gaggagaaac acttgctgag tctaaatgcc attcgagatg agtctgaact gaccaacttc 60
 gagatgaaga tagtggaata tggcaaggac atcacggagc tgttcaacgt gctcatgaca 120
 ctggagatgc aattggtaga gcagctggag gagactataa acatgtttga aaggaacatc 180
 attgacttgg ggcacctact ccaccctgg 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 ctttgctgct ctgagcagtg 240
acaacacagc atctctgata ggacagctcc agaacattgc caagaaggaa aatttgtgtcc 300
gcagtgtcat tgatcagcgg atccacctgt ttctcaaagt ctgtttggtc ctcggtgtgc 360
agagatctct cttagacctc cctggaggcc tcaactgtcat cgaagcagaa ctggcggaac 420
taggccaaaa gtttgtcagc ctaacgcctc 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
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tgtnagatatt ttcctgggtgc tcataacctga tgtggggcct aatgatatct ctgtataaca 120
aagctgctac aaagcccaca gattttgtgc aaaagaaaaat acaaaaacaag ttggattttt 180
cttcttagta ttgaagaaat ttctctgcac atatttttgt aggcctccaag tggaaagctt 240
ttccctatatt aaatatatta ttacaaggaa aaatttatatt 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

atgcagccag acgtttttatt ccttgtcagg accaagatgt caagtgtgga agactgcagt 60

gtagtaatat cactcatctc cctcagttgc aagaacatgt gggattccat cagtctaaga 120

tatcaggggt ctggtgtttt ggagtggatt cccatcgtgg cacaggaaca aatgatgttg 180

gtcatgtgag acctggtacc ccctgtgctc ctgaaaaata ctgtgcaa tctgtctgca 240

atggtactat aagtgcacatg aattatgact gtatccctga gaaatgcaat cgcaggggca 300

tttgcaaca caacaggaac tgtcattgcc acataggctg ggatcccca ttctgcaa 360

tgcgaggtaa aggaggagat atagacagtg gaccccctcc aagaagaagg cgggcagtca 420

ggcaaagtcg tgaggcagtg gtatatctga gagtcattt tgctcgaatc tatgccttca 480

ttgctgcact cctctttggt gttg 504

<210> 11099

<211> 198

<212> DNA

<213> Canis familiaris

<400> 11099

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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
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 ggctggagga cactgagcctg cggctcaagg atgagacgga tcnatacaag cgcgtgatgg 120
 acaagctgcg gcagaaccgc cttgagttcc agaaggagcg ggaggcgacg caggagctca 180
 tcgaggacct gcggaaggag ctggagcacc tgcagatgtt caagctggac tgcgagcggc 240
 cgggcagggg tcgcagctcg tcctctggcc tgggagagtt caataccagg gcccgcgagg 300
 tggagctgga gcatgaggtc aagcggctca agcaggagaa tcataagctg cgggatcaga 360
 atgatgactt gaatggacag atcttgagcc tcagcctcta tgaagcaaag aacctctttg 420
 ccaccagac 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

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ggaagcaagt tctagcncct 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
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<210> 11102

<211> 562

<212> DNA

<213> Canis familiaris

<400> 11102

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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 atcttaactt tattttactt tctttggagt    420
aaaatctggg 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

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ggccagaacg tatttatcag agtccatatg gagttactgc tgtggatttc tcaattggag    60
cacctaattc tctagccgtt ggctatcaca atggcacaat tgccatttat aatgtacaga    120
gcaacagtaa tgttccagtt ctggatagta gtgaatcacc tcaaaaacat ttgggacctg    180
```

tatggcaatt acaatggata gaacaagatc gagggacaac aggtgatgac aaaagagaaa 240
 tacttgtttc tatatcagca gatggaagaa tctccaaatg gggtatcagg aaaggactag 300
 acagtcacgg atacaaatat ctatttggct ggcaccgaag aaggccatat tcaca 355

<210> 11104
 <211> 379
 <212> DNA
 <213> Canis familiaris

<400> 11104
 tgatgtgttc ttaagctggt ctgcagattg ggggtgttatt atatggcaac aggagaatac 60
 caagccattt ttgagctttt atccaactac ttatgttggt tatgatgttg cctgggtctcc 120
 aaaatcctcc tatatatattg 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 ggaccaag 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
 acaatagtgc tggaaccgtg ggtatgaagg agatgaaaag gacaagtaaa tgtgaattct 60
 aattgtcttc aatcaagcag aatgaaaatg aagatgctat aactgtgata actggagagg 120
 aaaataattt aggtggatag aagttggaaa tcataatcta aaaaatgctt tgaagagtaa 180
 aatatttctc ctttgaattt attctggtca ctgttgcttg 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

```

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<210> 11106
<211> 149
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

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<400> 11106
gaccacttct gagaaacctt aaagcagtct agtggcaact ttgtttaaga gccaacattc    60
ctccagggct gccagacct cagncgctca acactgtgga actagcccct ctgctgagtc    120
tgttgtaggt acctctaatt gagtgtgga                                       149

```

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<210> 11107
<211> 505
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (236)..(294)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (300)..(302)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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 acataaatc caatcgtata tgaaattcag gtgtcatggg gtcctttgcc 60
 tgctgaaggt ctctctggaa gggttctgtt tcctctatct tgtattggga gcagtggcctt 120
 ctgttttcca ttcagatgcc ctcataaccg ggaagagatt ggcagatgtt tcttccccat 180
 acaaaaatgc tgcagaagac agaagtagaa ataagtcnca cagagagaga gagagnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgancn 300
 nnggnntca ggatcnggcc ctggaccaa gtgactcaca cccctgcccc atccactgtt 360
 tccaacattc ataaaacctt gtcacataca attggccttt ggggtgtggg atctcagcca 420
 aggaacaagg gaccatatca cactgagtct gagaagcaag agacagaagc agctgcagga 480
 tccataacctg 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 ggcattcccta acaggaagaa ggtggaagat 60
 tttttttgcg gaagaaataa aaaagagcat gatttcattc cttctccacc tctgggatcc 120
 taatcccaag attggagccg cttgctgtga cgtcctgac 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 caagaccctt 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 agaccgcnc tggcacccgc ccgccagccg cccgcgccac cctgccctgc 120
ttttcctggc caggaggaca gtgacatgag cagcggggag actgtggagg ggccggcagc 180
agaggatgaa gtgctggggc cgtggggggc aaggaagcca gcctccctgc agccctgctc 240
tgggccgttc tctcccttag gactgcaaca gcaaccacag cccatggggc ctcnnaagt 300
ggatgacagc agctcggagg attcagacga gattgtcggt 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 agaagagggtt ctgagagaat 120
 acagactgcc agacgggaat gttatctaca ttggagacca gctgcaccaa gtgcctgaaa 180
 ttctttttgc acccgatcag ctgggtattc acaaccagg actctccaaa atggtgtcca 240
 gcagcattat gaagtgtgac actgacatcc aaaataatct ttttgcgga attgtgctgt 300
 ctggggggcac cactcttttc cctgggcttg aggaaagact tatgaaagaa ttggaacagc 360
 tggcttccag aggaactccc atcaagatta cagcttctcc tgatagatgt ttttctgcat 420
 ggatagggtgc 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 gccaggttg tggcaaagg acacagtgc agaacaatggc 60
 gaccaaatac ggcttccgcc acgtggggct gggccagctg ctgcggcagg aggcccgcac 120
 cagcaccag cggggccgga agatctatga catcatgctg caggggctcc tggtgcccac 180
 gggcatcatc ctagacctga tcagcagcac catgctgtct caccagaga nccgaggctt 240
 cctcattgac ggcttccac gggggctgaa gcaggccaag gagtttgagc gccttgatggg 300
 ccgggcccc aacatcgtca tcgtgtttga ttgctccatg gatacaatgg tccggagagt 360
 gctgcaccgg ggccgggttg 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
ttggagtttag aagaagaaac tcaagttcaa gagatgaccc tcgatgagtg gaaaaatctt	120
caagaacagn ccagnaccaa agcctgagtt taacatccga aaacctgagt cactgtccc	180
ttccaaagca gtggtgatac ncaaattcaa gtatagagat gatatggna aggatgacta	240
tgaagacgat gcccatgttt tccggaaagc agccaatgac atcacatccc agctggngat	300
taatttcggt aacctccctc gtcctgggcg tggagccaga ggtggccac ggggaggccg	360
gggaaggatc agaagggcag aaaactatgg acccagagtg gaagtggatga cacaagatgt	420
tgctccaac c	431

<210> 11116

<211> 481

<212> DNA

<213> Canis familiaris

<400> 11116

agcaattttt tcagttccat gcaatgtgct ggtgaagttg atctacatac agaaaatgag	60
gaagactatg ataaatacgg aattcgaatt cgagtcaaatt ttcgcagcag tacgcagctg	120
cacgaattaa cccacacca tcagagtgga ggtgaaagaa gtgtttccac catgttgtac	180
ttgatggcgc tccaggagct taatcgatgt ccatttagag tagttgatga aatcaatcag	240
ggaatggacc cgatcaatga acggagagtg tttgaaatgg ttgtaaatac tgcttgtaaa	300
gaaaatacat ctcaagtactt ctttattaca ccaaagctcc tgcagaatct tccttattct	360
gagaagatga ccgtattgtt tgtctacaat ggtcctcata tgttggaacc taacagatgg	420
aatttaaagg ctttccaaag gcggcggcgc cgtatcacat tcaactcaacc ttctcaataa	480
a	481

<210> 11117

<211> 191

<212> DNA
 <213> Canis familiaris

<400> 11117
 ttctgtatgt ttttgaagtt ctcaacattt aaactaaagg acacggtatt actatnttaa 60
 cgtgtatttg acctacctgt gaagatttat atgtagtctt aagcagttag tacactaaaa 120
 tgaatnttta gctgagtttt atattgtgat tcttaatctt atctgagaca atgtaagagc 180
 cctnttgaat a 191

<210> 11118
 <211> 428
 <212> DNA
 <213> Canis familiaris

<400> 11118
 aactgtccca tagctaccac ttgactggt ccccgaggg tcacaggagc tgatgtcaca 60
 attggtgtct gatctctgcc ccccaaatg gccctggcga gtcattgctg tttagactag 120
 accacaaagc tcttcagcca ggaactaaca tgctgggcaa tccaccatct ggtcttgaat 180
 gaagacagcc cagtaccag gactcagga atagaccacc acacnttca gtaccaccta 240
 ttgtccccag cacacaccac cagctgagca agaagcccca caatgattgt tgtcttatgg 300
 ttgcttctca ttgcaggaac catgtggaag ggatataagt atccccagg 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 gtgctccttg 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 tccttaaagt 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 tcagctaadc agaagatagt 300
 aaatgccaaag aaggtaccag caaaaaagat tacaaaacca aaccatcttc caaaactcaa 360
 tccg 364

<210> 11121
 <211> 60
 <212> DNA
 <213> Canis familiaris

<400> 11121
 gagagctggg tccaacgacc aagattagga gacattttgt aaccagaaa 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

ctagcagggtc agctgaaccc cgactgtcag cctatggcca ctaactggat ccaggagaaa 300
 gtgtggctct cccaagaggt ggaaaagctg aggggtgatgt 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 ctgtctttga gtcacatccc gaggaggagt gtgtggaacg gttctggtat 60
 ggctgggtgca aaagctatag gcctgtctct gtggccgtga tccaccatcc catccaccat 120
 gactgtgggg cagataatct gaatgacaag cccccattc cgaccaggt ggggccggcc 180
 accaccacca ccacaccgc tgaccagtt atgggcacaa tcacaagtac cccggattca 240
 gcagctccca tcaactatctg 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 ggcacctggc cctgctcacg tccgtcctct 60
 tcgtcctccg acagctgtgg aactggctct gggcctggtg gacccgangg cnagcgggtga 120

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agccccagcc ctgccagaga gcccaggtcc ggaccttcac tcggcggaac gacctgtgcg 180
ccatctgcct ggacgagtac gaggagggcg accagctcaa gacacctgcc tgctcccaca 240
cctaccactg caagtgcata gacccttggg tctcccaggn cgcgcgggcg tcctgccccg 300
tgtgcaagca gtccgtggcc ggcacggaag acggctccga ctccaccgtc gatagcttcg 360
gcgacgagga cccct 375

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<210> 11125
<211> 444
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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<400> 11125
aagactctgg atctgttctg tgctcctgca gaagagtatt tggctggggg gtcctgtggt 60
gtgagggact ggctgggagg ggggccaagg gcaatcanca gccacagagg atggtgccac 120
aaaggagagc cttggggggt aggactactg tgctgtcaga aaagattaga aatggggatt 180
tctgaggagg aaccgccaag tgctctgcca gaagggccag gcctcgagtt ggaactgtct 240
tgcttgcatc tcgtcctgtc tacactgttg tacgcatgcc ctgaagtttt cctgaatgat 300
gagacaaaat gtgttttctt tggccattta gagcctgtgt tttcagagca aacagtagaa 360
aacaagaaaa tgctttcaag tataaaaagt acctcaaacc atctgcagat aacactgggg 420
ttactggctc taccagcttt tgaa 444

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<210> 11126
<211> 592
<212> DNA
<213> Canis familiaris

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<400> 11126
gaactagact tggagctgct gccaaattca gccaccacag acaacacgct gagaagatcc 60
aacagcgccc ctttgatcaa tgggcttggg gataactcac aggtgttcca aggtgacaca 120
ttaacaactc gaagaaatag cacaacgttt atgacacaac attgtccgga agaaggatat 180
gatttaataa atagagaagc aatgcatgaa tggaaggtac aaactgcaat acagataaat 240
cggtcttggg aagcaagttt gaacctgagt gacgggtgatt tagagaaacc atcttcaaag 300

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tgcacgatt taattccagt atccccagca acttctccta ccaggggaat tgggaagcaa 360
 tgtttgcctc catcggttaca aacttgtgtg gggtgcacca ctttgcctcc aagtcctatt 420
 cctaataccta cacaacgatt tacagtaaga agtcaaagcc ccaacaacac tattagacca 480
 agtatctgtg gacctttaaa aagaaaaggt gaaatatattg 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 gcagtaaagtg aaaatgagta ttttaccgaa 60
 ctgcaattga aagaag 76

<210> 11129
 <211> 60
 <212> DNA
 <213> Canis familiaris

<400> 11129
 caacaaccag aagcgccaga agtgtcggtg ggcaccaatgc 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 ctgagacca agggcattgc cctgacttgg 240
 aacatcagca aaatcaatcc caagtgtgct ccagtggaaa gctatcacct ctttctctgt 300
 catgagaacc ccaatcataa gttgatttgg aagaaaattg gagaaattaa agctttgccca 360
 ctcccaatgg cctgtacttt atctcaat 388

<210> 11131
 <211> 460
 <212> DNA
 <213> Canis familiaris

<400> 11131
 tgtatgaaga ccctgttcca ctgttcttgc ttcattggcat gggaattgcc gaaaagagct 60
 tatagccgga agtcctggga caaccagcag cagacggtgg ccaagatatg caagtacctt 120
 gtgactaccc accaggacag cgccttcaca ttcctcagcc agagcctgga gtatgccaaag 180
 aattcccggg cctccctccg gaagtactca gtcattgttca tagggtcctt ggtcccttgc 240
 atggagagca taatgacaga agaccgtctg aacgaagtga aagcagctct ggaagacctg 300
 agacacgacc cagaagcatt ggtgtgcatc tatgcagccc agggccagga ccacatcctg 360
 gccagctgct ggcggaactc ctggccgctg ccgcacgggg actcgtgggt gtgtgacctg 420
 gtccccacgc accgctggag ccctagctgt gagaacctgc 460

<210> 11132
 <211> 548
 <212> DNA
 <213> Canis familiaris

<400> 11132
 gtccccgagt atcgaggcg cgtctatcag atgatactgg agcgagggg tgatggccgc 60
 gtccccggag agaagggcct ggggggcacc ccccggggga cagagcccag tgggccccgg 120
 gcgcacctgc tcaaaccag ggccatccat cagctgtctc cgggctcgcc tgcacagaag 180
 ccgggacgca gacctcagag cagcccgggt cgccaggcg cccacgcaa gaaccttccc 240
 cggcagagct cggccccct gctgcagcct ccgcccag gagcgggaag ggggcggcgc 300
 cctccctggc ctgcagacc gccgccaga tccggccct ccgctcctag gcgtccttcc 360
 ctccctcccg gccccgccc tgacgcccc cccccact gtgcgcaggt cccacgcgcg 420
 ctccccgcgg atgccccgcg cgagccccgg ccgggcccga 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 ctttaccttg 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
tggtcaaaccc caacaggacc gaatggatgc agatccaaag actagaagct gnaggggaga 120
gcttacaaga ggaaatccgg agaaaagaaa ccttccttag ggaaaagctg aagaagacag 180
aggaggaact ccgaaggatc cagaaagaaa aggaacaggc taaggaaaat gaaaaaagag 240
agctacagag aatgacactc cccaggagga gaattaaagg taatagcaac accacataca 300
aacctacctt ctccccagaa ttcgggtctg aggaggtctt cagtagagac agggggagaag 360
atgaactttg gggacagtct caagaaaatt ctggtccatt ccagttctct gattacggaa 420
tacagaagct caaaagggaa agactggtgg caagcaataa cagaatccga gacctagtct 480
cagagtcatc aaaggagttt tctcagtcct 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 aagaccctt cacaggagtt tgagcaaaag aattccagaa 180
aaatctgcc aactctgtgag aaatgctaag aaaactagaa taataaact 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 tcctttttca 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 aaaaaaaaaat ggaggagcct 300

ccaatgtcaa ccatagtgtg cagatggttg aanganaaca tgcaaccac cgaagacctt 360

cagtcagtaa tccagaggct gtccgtgttt gggccaatta agtcagtcac cctctgtgga 420

cggaagtgc ccacgtggt 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 aaccagaga 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 cggtgtgcc gggccgtgaa cgtggtgcct gtgatagccc gggccgacag 120
 cctgaccatc gaggagcgag agaccttcag gcaaaggatc cagcacaacc tgaggagtca 180
 ctgcatcgag gtgtaccac agaagtccct cgatgaggac accaatgacc ggatccctaa 240
 cagcaaaatc cgggaccgga tcccctttgc cgtggttggg gctgaccgag agcacctggt 300
 gaatgggaag tgtgtcctgg gccggaagac caagtggggc atcattgaag tggagaacat 360
 ggcacactgt gagtttcccc tcctgaggga cctgcttacc 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 ttcattggact ccttggagca tgacatcccc aaagggctct 180
 ggagcatcca gatggagagg ggcaacgccc tgggtggtgct 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 tgtaggggat ccagaggaa gcagagagca 240
 gtgaagatga agacagctca tggctcctgc cgtctggcaa taagggggcc caccctccac 300
 ccaactgaatc 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 tggagggggcc ccgctgggca ccggccatca aacaggcaac 60
 acgctggaag tacacacccc tgggacgtga cgcggccggc cagctgtggt acaccggcct 120
 aaccaactcg gactcccgcg aggcctggta cacgctcccg cgggccccgg acagcccgta 180
 ccgggaggcc tatgcccgtt 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 ctgtcgggtgc 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 ccagagtcac 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
 taaaaaccag aactaaaacc tttacatctc ccacatctgc ctgcagaact taaatcagtg 120

aagagactca ttgctaagca gcaggaagca aaaggaagct tcggcttccc actaaattac 180
catgttgggc tgggtgtgcct 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 gggcttagat atagaaagcn ctagtaaaag ggtctacaaa 60
caggcggttt ttgatttanc aaaagagatt tttgaggnaa atattcgagc 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 gctgcggggc accgctgagg ccctgctggc tctgcccacg ctcaggcggc 120


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ctcggccatg gagcattctg tggtagctgg ctgccgatgc cctcagccga ggggtggggcc 180
tgtggcaggc cctgctttcc ttgctgtgct ggctctggca cggattggct caccgccca 240
gctggctgca gccgccgagc ccaccagcca cccgcctgg ctcaccacc tgcagcctcc 300
tcctggatag cagcctctcc agcagctggg atgatgacag catagggctc tctctctctg 360
cagaggctgt cctggccagg gctactggga acacctccac ccccgagcgt ggctcccccg 420
ccccccggaa caggtacaca ctgagggatg ccctggacct gactgacatt gactccgagc 480
ccgctcgggg ctccttcccc tccttcgaac ctcggaacct tctcagcctg tttgaggact 540
cactggggcc 549

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<210> 11148
<211> 399
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

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<400> 11148
gcctgagttt cgaggacttc ctggacctcc tcagtgtgtt cagtgcacaca gcaactccag 60
acatcaagtc ccactatgcc ttccgcatct tcgactttga tgatgatgga accnttgaac 120
cgagaagacc tgagtcagct cgtgaactgc ctcacaggac agggcgagga cacacgactt 180
agtgcctcag agatgaagca gctcattgac aacatcctgg aagagtcgga cattgaccgg 240
gatggcacca tcaacctctc agagttccaa cacgtcatct cccgttcgcc ggacttcgcc 300
agctccttta agattgtcct gtgacaggag ccgtggcggtg tgtcccagca agcaccctgt 360
cagagagcct tcccactgct gagctgtggc cgaggatcat 399

```

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<210> 11149
<211> 491
<212> DNA
<213> Canis familiaris

```

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<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

```

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<400> 11149
tgaagaagca aagcctccta aaggaaagag tnttttggcc cagagcccg aagatttgca 60

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gatgaatcag ggctttaata aatacgatct gtctgcattc tgcagctctt acacaaaaag	120
ttccttgacg cttattaact ctgctttaga tcaagattta aatataaatg ctgtagcaac	180
tagtgaacat aaaataattc caaaagcaga aattaagtca gaaggtgcag atgaactgaa	240
ggcggggccct gagagcgaaa gcagtcattg tttttgtgct tctgtgaccg cagagcccct	300
ggcagccgat gatgcagaat ccagtgttat cctgccgtct cggaactgg 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	
cttcaggcct 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 cataaact gccatctgta actacctta cgcacagccg	300
actttccgcc gtgacatctg gggagacatg gtttgtgtg gcaaccccc	349

<210> 11151
 <211> 256
 <212> DNA
 <213> Canis familiaris

<400> 11151	
aaagagctcc gctacaccct caatgggaag acaagcacca tccccacca tggactgcaa	60
gtcaatatca ttgactacac cctgtcacgg ttggagcggg atggaattgt ggtgttctgc	120
gacatttcca tggatgagga cctatttaca ggtgaagggtg actaccagtt tgagatctac	180
aggctaata ggaaggagaa caacaactgc tgggggtgaat atcatcctta taataatgtg	240
ctctggctcc attacc	256

<210> 11152
 <211> 269
 <212> DNA

<213> Canis familiaris

<400> 11152

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accctcatc ctttcgaggg catatgagag tgcacactgg agagaaacct tatgaatgca      60
atcagtgcgg aaaaacgttc aactggccca tatctttaag aagacatatg aggacacaca    120
tgaggagaaa accctttgaa tgcaaacaat gtgggaaagc cttcaatttg tctgcctgct    180
tccgagaaca cgtgagaatg caccctggag acaaatcgta tcagtgtgaa ctgtgtggga    240
aggcgttcta ttgccacata tccttacag                                     269

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<210> 11153

<211> 563

<212> DNA

<213> Canis familiaris

<400> 11153

```

actgccacgg caacttctcg gagaagttct ctttctaccg ccatcacgtg aacctcaagt      60
cctggtgggt gggcgacatc cccgtgtcgg gctcgtgct 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 gactcgcatt tcgtctgctt tggctacaac tgcgagtcgt    420
cagcacagtg ggaaacagcc gtacagggcc tcctccttta cataaataag tggcacaac     480
aggacaccaa aacaagtctg atatcaccaa gctttacatg tcttgagccc ccacacctgg    540
ccaacctgac tctagaaaat gct                                     563

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<210> 11154

<211> 139

<212> DNA

<213> Canis familiaris

<400> 11154

```

gggccaccag gagtagagaa tatatccagg caggtcctgc tgacctcggg cttcatgccc      60
tacccccct atccccctg cccaccaggc aggaaggggg actccagaaa ctttgacac    120
ccaggcctgc ggagcacct                                     139

```

<210> 11155

<211> 436

<212> DNA

<213> Canis familiaris

<400> 11155

attcttcagc aaacatcagc ctcaggcctt gaacttcggg ggcattggga tgggtgattgg	60
gcatgagatc acccacggct ttgacgacaa cggccgtaac tttgacaaga atgggaacat	120
gctggattgg tggagcaatt tctcagccca gcacttcggy gagcagtcgg agtgcattgg	180
ccaccagtac gggaactact cctgggacct ggcggacaac caaacgtga acgggttcag	240
cacactcggg gaaaacatcg ccgacaacgg aggggtgcgg caggcataca aggcttacct	300
caagtggatg gcagaaggcg gcaaggacca gcagctgcca gggctgggac tgacctacaa	360
ccagctgttc ttatcaact atgccaggt gtggtgtggg tcctaccggc ctgagtttgc	420
catacagtcc atcaag	436

<210> 11156

<211> 325

<212> DNA

<213> Canis familiaris

<400> 11156

gtcaggctcg caagcaacac gtgcaggacg gccggaagga aaacctcgaa ggctttgtga	60
agactttcga taaagaactt tcagaagacg cccacccggg gatttacgcc cttgactgtg	120
aaatgtccta caccacgtat ggcctggagc tgacgcgtgt cacggtggtg gacacggaca	180
tgcagggtgg ttacgacacc ttctgcaagc 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 gaagtgaac ggaaaaagat	60
ggtccatgta aataaactcc ggaggacat tggccgcctg gaagtcaagt gcaagaacgc	120
ggaagctggc tgctcgggtga cgtgccccct ggcccatcga agggggcacc aggactcatg	180
cccgttcgag ctgatggcct gccccacga gggctgcaca gcacgggtgc cgcgtggggc	240
cctggccgag catcggcagc actgcccaca cggggcccag gatcgctgcc cgctgggctg	300
cggggccacc ctggggccgg tggagcgtgc gcgccacaac tgctaccgag agctgcgcga	360

ggcctggagc cagcggcagg agcgcagccg gaccctggtg ctgggcctgc tgcggcgcac 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 ccacctctta 60
catcggcctg ttcgagcagg acgtgagtgc cgagcggagc ctggagctgc ccgagctgta 120
cgtcgctggc cagaaggacg agctctttta ctactgggtc tttgtccagg cccttgccca 180
cggcatggtc acctccctgg tcaacttctt catgaccctg tgggtcaccc acgactcggc 240
tgggcccatac agcttcagcg actaccagtc tttcgcggtg gtcgtggccc tgtcgggcct 300
gctatccatac accatggagg tcatactcat catcaagtac tggacggtcc tgtccgtgct 360
ggccatcgtc ctcagcctct tcttctatgt ggttgtaact tgggtcaccc agagtttctg 420
gctcttccaa atctcaccca agaccttccc gtttctgtat gctgaccaa acgtgctgtc 480
ccaccctcc atcctgctgg tcacctgct gaatgtgtca ctaaacacct tgcccacatt 540
ggccctgcgt gtcatttacc aagccctcaa gaagcctg 578

<210> 11159
<211> 170
<212> DNA
<213> Canis familiaris

<400> 11159
ctgctggcta gtgggcggtc cttcccgtgt gtgctggaca aagccctggg 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 gagtgcagca 180
tgccccagac acagggacag caggttgggtg gggcactttg ggggccagga 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 gaggaccgcg ggggcctgtg gaccctgggc ctggaaaaca 60
aaggctacta tttcaacacg gggacgctgt accgctacac gctgctgctc tacgggactg 120
ccgaggacat gacggcgcgg cccccgggcc ccaggtgac cagcagcgcg tgtgtgcagc 180
gggacacaga ggggctgtgc caggaatgcc acagctctgc ctacaccctg ggccacctct 240
gcctttccta ctgccctccg aggtactgca agcacacca gcaggcgggtg accggcgggc 300
ctgggcgccc ggccacaccc gcgctgcacg tctgctccag ctgccgcgcc tcctgctgcc 360
cctgccgcgg cggtcgcgg ctcaactgca ccgcctgtcc cccgtcgtac tcgctgcgtg 420
agcatcgggg ctcctgctcg ggacctgtgc ctcccaacag cccccccag cccaccgcag 480
tcggccaccc caggtgccac cgtggccgtg ccaggtgtgt ggtattgacg ctgctggccg 540
tggccttcgg gagcccccta 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 gcccttggg 109

<210> 11164
 <211> 426
 <212> DNA
 <213> Canis familiaris

<400> 11164
 gaatgaccca agatatatga tcctcaacga gcccttcaag tccgagatcc acaagggcaa 60
 ttacttggag atgaagaaca agtttctggc ccgtaggttc aagctactgg agcagggcgt 120
 ggtcatcgag gagcagctcc ggagggctgc ctaccttaat atgaccagg accccaacca 180
 cccagccatg gccctcaacg cccgcctggc cgaggtggag tgccttgctg agagccacca 240
 gcatctgtcc aaggagtccc ttgctgggaa caagccagct aacgctgtcc tgcacaaggt 300
 cctgaaccag ctggaggagc tgctaagcga catgaaggcg gatgtgacac gcctcccgtc 360
 catgctgtcc cgaatcccc 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 ctttctctgt 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 gccggggcctc cgccaacctg cgggtgctca 60
 tcgactgcat cctgcgggac gtggccgagg acctgcggct gcagtgcgac gccgtgaacc 120
 tggccttcgg gcgccgctgt gaggagctgg aggacacgcg ccacaagctg cagaaccacc 180
 tgcacaagac gctgcgggag atcaccgagc aggagcaciaa cgttgcggcg ctgaggcagg 240
 ccatcaaaga caaggaggcg cccctgaagg ttgctcagac ccgtctgtac cagcgctcac 300
 acaggcccaa cgtggagctg tgccgggacg ctgccagtt caggctgatg agcgaggctg 360
 aggagctgaa catgtccctc acggccctga aggagaagct tctagaagca gagcagtcgc 420
 tgcgcaacct ggaggacacg cgcattgatc tggagaagga cctggccgctc aaggccaaca 480
 gcctcttcat cgaccgccag aagtgcattga 510

<210> 11167
 <211> 233
 <212> DNA
 <213> Canis familiaris

<400> 11167
 agtgccgatt ccgacactgt gaagaggctc ttggcagtga cactgtatgc tcattatgga 60
 gagagggaaa atgttttagat ccactttgca gatttagaca catggaaatg cagcaaaact 120
 gcagcatttc atgtttctgg 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
 gttcttttagc acccactagt gggcatttat tgaacagtga ggataaaata gatgaaaatc 120
 attttataaaa atctcacagt gaatcatcac cccacattca gctagtggga aatgtgggac 180
 agcttcatgg tgtcacttct gtaaagttgt gtcgtaaaga gttacgtcag atttctgcct 240
 tggaactatc attacggcgt tctagtcttg gagttggggg tggatctatg actgctgatt 300
 ccattgaagt agctaggaaa ccgagtgact taaaaactta ggcttttaaat 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
 tagaaagga cataccgcca tggatattgc aaaggcgtag gctgactata gaataattag 180
 ttgattcaa gaaaagttgg ataacttggc 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 ctgacagga aaagggagtt 480
 gcggcgagag aggttcagtt atgaggtgga ctttgaagac ttcattgatgc cttttcagaa 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 cggttgctg ccatggtatt tagatgtaac acgtattaaa tcggtatt 118

<210> 11172
 <211> 119

<212> DNA
 <213> Canis familiaris

<400> 11172
 caatctcagg aactcgagaa acctccggac agcaggcctg cagacagctt cccaggggaag 60
 agagggggcac ccaagcggct gcgaccttcc tcgtccgaag tggaagagaa acctgatgt 119

<210> 11173
 <211> 263
 <212> DNA
 <213> Canis familiaris

<400> 11173
 aggcctgcag acagcttccc aggggaagaga ggggcaccca agcggctgcg accttcctcg 60
 tccgaagtgg aagagaaacc tgatgtaaag gtaacgtcga gcaagaagaa atttgccatt 120
 ccacagatca tcactactag agcctctaaa gagactctag ccagctacag ttccatcgga 180
 agcgaagagc agagaacatc tcaggagcag gttgaatggg gccctacta 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 taagaacca actcaccttg ctacagcaaca ggaaccctgg agtcgggtca 120
 gctcaactcc cacaatcacc tccacgaggc gggatattta ttttcttgat cctgagatac 180
 caaaggatga cctggatttc cgcttagcag ccttgtacaa ccaccacaca gggacattca 240
 agaacaaaag tgagatactt ttacaccagg agaccacca ggatatccat ggaatcatca 300
 agaccaatt cctggagaa cttttacccc ctctccgcc accttcggtc acttcccag 360
 ctaacatcag aactggatc 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

gtcgggtgtgt 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 ctggagaaaag agaagctggc ttttgaaaag 60
 gcgctctcca gtgtcaagag cagagccctg caggaaacca gtaagaagga ccagcttata 120

<210> 11177
 <211> 134
 <212> DNA
 <213> Canis familiaris

<400> 11177
 ttcctacagg aaatattcat atgttttcaa atgtgacaga tgataccac 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
 ggcattgtcca gctgggagct cccagacctc caggagggca agatcgaggc cattagtgc 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

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ggactttgaa gctgatatca ctccagaaga gttattcaat gtcttctttg gaggacattt    60
tcctacagga aatattcata tgttttcaaa tgtgacagat gatacccact attaccgccg    120
gcagcatgga cgtgagagga tgcagacacg gaaggaagaa gaagataagc ctcagactac    180
atattctgca ttatttcagt tacttcctgt tcttgtgatt gtgattatat ctgtcattac    240
tcagctgcta gctgctaata ccccatatag tctattctat aaatcgacct tgggctacac    300
catctctaga gaaacacaga acctgcaggt gccttatttt gtggataaaa actttgagaa    360
ggcctacaga ggagcatctc tccgtgacct ggagaagacg atagagaagg attacattga    420
ttatgtccag acaagttggt ggaaggagaa acaacaaaag tcggagttga caaatttggc    480
aggattgtac agagatgaac gattgaaaca gaaggcagag tcaactgaaac ttgaaaactg    540
tgaaaaactc tccaaactta ttggcctgcg caa                                573

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<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

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cagtgacaag ctggcccgct gggctgtgct gggactgggt ggcgggctgc ttgccactt    60
tctgcctccc ctctatgcca ccagccttgt cctggccgac ccctgccatg accccccaac    120
tctgagcana gccatccaca cccggcccag cctagacagg gtcctggggc cgtgcctgcc    180
gccccctat gcccgtaaca cgctgcacct gtttgcgggg cccctgtgg ccccttggga    240
tcctatcccc aacacctgcc atagcctgag ccttaactgg agtctggggg acaccgatgt    300
cgaggtcgtg gatgtggcca cagggcgtgt gaaggccgat gctggcctgg ggccccctc    360
ccgcctctgc aaggcagcct ttctcagggc cttccgccag gttgccggag ttctggggaa    420
gtccgcctc ctagccttga agacctatga ggcagccaag gctggaccct accaggacgc    480
ccgcaggcag ctgtctctcc tcctggacca gcagggcctg ggggcttgggt 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

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cttatgcatt ccttccaaaa ttggatcatt taggtcaaat tatttgatgt taaatcataa      60
gttttcattt gcttacattt acgatatcag cgtcagctac ggaatcaatc tgctgaagga      120
ccgtggctgg cggcgtgtac gatccagcaa ccagcgcctg ggacccgact tcatccagga      180
accctcaga agactccact gacattagga agactcataa gaaccttaca agaaaaagta      240
tcaaccccat caaaacggca gaaaagaaac atatcttggt attagtagct gaaattccat      300
tttctacatg ttgccatacc ttataaaaac tacactaagc tacgcttaag gaaatacatt      360
ttcttaaata aattagaatt gaaaccaatt ttttaagtaa tctagggntt caattttattc      420
tcattngn tn ttgtttctgg tgcaatcatg aanaacagca tncatttaac caaccttggt      480
cccatgtaca taa                                                                493

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<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

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ggacttgcc tcttcaaagc taaaaatgat ccagctccta tcaggagttg ctcncctcat      60
ctgaaaacat ctgttgtttt ccatgctctg aaggcgggtga ccaactgtttc tgcgatgtga      120
cgtccatgag tatctgctag gtttgcagct gagggctcca agccagcaga tagggtcact      180
tcctctgcgg gccaaaggaaa cactgagatt acttcagcaa aaagtaattt ttctgcccct      240
ctgtatcatc actcaggcag ccggttgagt taaaaaagaa aactgatatg ttgtgaagaa      300
gcttgatgaa acttttgctt gatcttttta tatctggatg cagtaatatg gagttagggt      360
atttcctcac atgcttgtca cctgctttgc aattgctttc ttacttattt gcctgctcca      420
taagattgta a                                                                431

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<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
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 agggggccagt catcatactt ccaggatagt ctttaagaaga ttttgctcca tcagatacct 120
 gccgcgggga ccctgaggaa agatcggttca 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 cccaccagg 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
 atcatttggga 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 ggcattcttct 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
tctacttctt 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 ggccaagac aaaagcctaa caagaccaat 180
gctactcagg gctcaaggca gaggttcaga aagatcaagg cttcccatgg ccagagctgg 240
cgaccagta 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 tttcactgt 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 cttagtagca gcattcaggt caagaaaaca agagccgagg ggagcagtaa 120
 aatccaagcc cgaatggaac agcagccac tcgtcccca cagccatcac agccaccacc 180
 acctccacca cctatgccat tcagagctcc aacaaagcct ccagttggac ccaaaacttc 240
 ccccttgaaa gataaccct cacctgaacc ccagctggat gacatcaaaa gagagctgag 300
 ggccgaagtt gacattattg aacagatgag cagcagcagt gggagcagtt cctcagactc 360
 tgagagctca tcaggaagtg atgatgacag ctcgagcagc gggggtgagg acaatggccc 420
 agcgtccct cgcgtgccg cacaccagca gccctacaac agcaggccgg ccgtagccaa 480
 cggaaccagc cggccgcaag gaagcaacca gctcatgaac aactcagaa atgacttgca 540
 gttgagttag tctggcagtg acagtgatga ctagagtcgg atctttcgaa atcagct 597

<210> 11191
 <211> 527
 <212> DNA
 <213> Canis familiaris

<400> 11191
 gattctgatt ccacagatgc agccctcaca tgtatatattt 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 ggggtgaagag actggggaag agcaccagaa aggtgccatt tcacatctaa 300
 tcacttcttg tcacgtcgta accatcttcc tcataccaag cccatactg atagatcaga 360
 aataacattt tcaaagttat atcttcaagg aaatggctat taatgttctt cttctccttt 420
 tagagcactg aggaatacat attaattttc tctctactta tattgcctat ttgcaaattg 480

tattcactac ccagtgtcc aatttgcct 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>
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 <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 atgctaccg 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
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 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 tcaactcaaga 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 agcaaggag 420
 aaagagcaag agcggaggag gagagaagca atggctggta ccattgatat gactcttcaa 480
 agtgacatta tgaca 495

<210> 11196
 <211> 498
 <212> DNA
 <213> Canis familiaris

<400> 11196

aagtcggtgc caggaccaat gggaaagggg gccccgggga gcagtcgcca agccccgtgc 60
agttcataac cagtcgagga gctggagatt ccagtcgctc gaccctgcag agcgtcatca 120
gtggtgttgg ggaactggat ctagacaaag ggctagtga gaaagcagag cccaacacca 180
aagacaaacc ttatcccgac tgccccttcc tgctactaga tgtgagagac agagattctt 240
accagcagtg ccacattatt ggagcttaca cttatccaat tgcaactctg tctagaacaa 300
tgaaccctta ttcaaatgac attcttgaat ataaaaatgc ccacggcaag gtcattcttc 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 ctgagtcatc caaggctggt 480
ggaagtgggt cccgactcag tgaaagcagc agcagcagca caagcagctc atcggagacc 540
gagagtagta gcagtgactc gagctcctc 569

<210> 11198
<211> 290
<212> DNA
<213> Canis familiaris

<400> 11198
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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 taaagggttag caatgaggag tatgcttgca tgaaagcaat 60
 taactttctta aatcaagata tcaggggtct gaccagtgcc tcacagctag aacagttgaa 120
 caagcgatat tgggtacatct gccaggatct cactgaatat aaatacactc atcagccgaa 180
 ccgctttcct gacctcatga tgtgcttacc tgagattcgc tatattgcag gaaagatggt 240
 gaatgtaccc ctggaacagc taccctctct ctttaagggtg 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 ctttcaacat 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 ataggagggtt ttacaccgag 300
 atctgctacg gcttgaagcc tgcagggatc tctcaactca ccaacatgga cccacctcga 360
 aagatccctc agggctgtta cgactgtgga gatggcttct ataaccgac 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
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gctgaggaga aattcaaaca agtaacagaa gcctacgagg tgttgtctga tgctgagaaa 120
cgtaacaact atgacaagtc cggagggaac cgcatacaaaa cagaaaatac aggcgactgc 180
agagacgaaa agtgcttgaa agaggaacca cggtttgaga ggccacactg cggctttcaa 240
gatgtctttg aagacaaaga cctctttctca ggcagttatt ttcccactgg tcatgtgggt 300
aaggccagga gatttcactc ctcttctttt gatgtgatcc ccatattgga cacaggattt 360
tccacgtttg tttccccagg ctccagacca agtccccctt cctctgggac atttgttccc 420
ttcgtaaacc 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
gaccggaaaag tggggcgctc ctgccagcgc atcggggagg ggtgctcctg aaggccaggc 300
acggccgcca catgacgctg ttcttagttc actaatgtta gccttattta ggacaaagtc 360
agccagacac cttgtactgg gcacgcgtca gactacagcc agtccgtttc ctttctttag 420
ccagccatcc tgggtactgta 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
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aagttgacta aacgatgttt aagaataatg ttactgacca taagcctaata gtggaaacca 120
taattaaaaa cattaacaca atttcttttg agttaaagaa gatgaaagag ctctcccagt 180
tgctgctttg tgaccttact ctacatttta atcatcctgt gaagacggat gacttaaagg 240
aaccagaagg aaaaacccgc ctctttgaag agtctgcaat atcagatgtg tcccttgcct 300
ctaataatth ttctatctga tttctttttg nttgttgnga atttataact gtattttattg 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
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 gaggagatgc aacagcacaa catgtcctgg attgagggtgc aattcctgaa gaaagcagtt 120
 gatgtcctct gccagtgtcg tgccacactc atgtacactt atgtcttcgc tttctncctc 180
 aaaaagaata nccagtccat tatctttgag aatanccaag cagatctaga gaatgccaca 240
 gaggtgcttt cggnctacc tcgaacgaga tatttcccaa gnttctctgc aggacataaa 300
 gcagaaagta caagataagt acagatactg tgagagtcga cgaagggttt tgttacagca 360
 tgtgcatgaa ggctatgaaa aagatctgtg ggagtacatt gaggactgag aatggcccn 420
 nanaaaatga actctgaaaa ctttaccatc tagagtgtc atg 463

<210> 11206
 <211> 587
 <212> DNA
 <213> Canis familiaris

<400> 11206
 gcatgtgctgc gcacgagata ggcactcact acctgcgggg cgtgaacaac gcgcggcagc 60
 cgtggcacag cgcggaaggc cgcctgcagt acgggctgcg gcccggaac cccaccgagg 120
 agggcttggc cagcctgcac agcgtgtctt tccgcaagca gccctttctg tggcgcgccg 180
 ccctgctgta ctacaccatc caccgtgcct cgcgcatgtc cttccgccag ctcttccagg 240
 acctggcgcg ctacgtgcag gacgcggacg tgcgctggga gtactgcgtg cgtgccaaagc 300

gcggccagac agacacctcg ctgcccggct gcttcagcaa ggatcagggtg tacctggatg 360
 gcatcgtgcg ctttttgcgg caccgccaga ccatcgactt cccgttgctg acctcactgg 420
 gcaagggtgtc ctatgaggat gtagaccatc tgcggcccca tgggggtgctg gacaataccc 480
 ggggtgcccc 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 tgtgaatata tgctgagctt aaaggcattt acactgtttg 60
 ctacgcattt cctggaacta tgtcatatag aggccctgta tcctaatagta gaaaacatgc 120
 attttgaagt tcagcatgta aaagacactt caagaaataa agaagcaatc ttgtatacct 180
 acaaactttg taagggactc acagaagaga aaaattacgg attaaaagct gcagagggtgt 240
 catcactccc accatcaatt gtcttgatg ccaaagagat cacagctcaa attaccagac 300
 aaattttgca aaaccaaagg agtaccctg agatggaaag acagagagct gtgtaccatc 360
 tagctactag acttgttcaa actgctcgaa attctcaatt ggatccagac agtttacgaa 420
 tgtatttaag taatctcaaa aagaagtatg aaacagattt ttccagggtg 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 aatatacctt 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 aggggtgaaga 60
 attggatgcc agtttttagga 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
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 aatgattaaa atggacagat tgaggaagaa ccaggctgtc ttacaacaga aaagtctgat 120
 tgttcaacaa agagtagaan cggaaaaaca tcaaaagaat ttattgaaac aaatgaagga 180
 aatcagggct caagaaacat ataaaaaaca ctgtgaagaa aaatttgta 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
 tgctttcttct tcattaccta caccttcgcc atcaacagat atatgccttt catcctgtgg 180
 ccgatttcgg accttctcaa tgatctgttt gccttcattt ttcttgtggg ggccgtgatc 240
 atagctgtga aaagccgaca aaccatgccc atgcactact tcattgctgt gatccttatt 300
 ggtgtggctg gactttttgc 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
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 acagtgggac cagcacatca gtcagtaaag caagcaaaga tacttcctat aagcggcaaa 120
 gcaaagatgg tgactgggac tctttacaaa tgatgaaaaa aacaaagcag aaccaactta 180
 ctctgtaac tgattcagaa gtggctttgg tcaatgccta tcttgaacaa agacgagcca 240
 ggcgccattc tcagttcagc cagggtgaatc agatccaaca tgatagtgat actactgagt 300
 gtgacagtga agaattctaac tcaggagcct cctcatggaa ggagagtga agtgaacacc 360
 atntgtcacc agctagtatt aagaagagaa aactagctca gaggcaaagg aatgtgggaa 420
 gttaccaa at cagggaaagg ccctgcctcc actgcaaagc catgagaa 468

<210> 11215
 <211> 321
 <212> DNA
 <213> Canis familiaris

<400> 11215

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ccttttaggg aacaaagctt agctgcttct tcactttcac ccaccgaatg aaggctcgga	120
ggggcaatca ccgtgcctaa ggccatttgg ctggttcatg ggtgaccgtc ctcaggtgat	180
gatgcaggaa cccaggctcc ttccagcttg tggctctgcg gtctcctagg cccttgaaga	240
tctctgcact gaagagtcac ccgctgtcag cgggtgcctgg aagctgtctg tgcaaagcag	300
aattttgtcc ctatgtcttc c	321

<210> 11216

<211> 486

<212> DNA

<213> Canis familiaris

<400> 11216

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tgctggtagt attcaaattct gctccaattct taaagcgagc cctcaagggtc aaacaggcca	120
tgctgcaact ttatgtttctg 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
tgacctgagga cttccactat tcatatgagc tgtggctgga gagagagggtg 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 gatattttcca 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

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cctangaagc ttcttgcaat 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

tgtgcatgac cagtaaactg cactgatcca ggctggggagc aagatgctgt gtctgaacac 360

cctcggggcca gagaagcaga agctctgagt tcctgtcacc accaccccc 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
 agtgctgcc a ggaagagctc cgccagctca aagagaagtc ctctgttacc aaagaaacca 60
 atgggaaaaa tggcaataag aatatgaaca aaaatgccaa tgggggttaa aataaaaagg 120
 tgaccatacc aagcctcgac tgttctgagg gcagctatga gaacgaaaag aatctggagg 180
 tggtgctgca ctacaaggcc agccacacgg atttaggtga tctaacagaa atggaggagg 240
 ggaaggaaaa aatcaaggac atgaagcagg tcctctggaa tgaagtgggt tctgtgnggt 300
 cagagcctcc agaggtgaag tccacagaag atgaggacgg ggtttatgaa gagtcnaaa 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 tccgactgggt 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 ggtcacccctc agcaggattc tccccctgaa gtttgtggag 60
 ctacaaatct gtgaccggct ccaacgcata 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 gttaaacttag gaaagctggt 180
 taaatctgag gacttaactg actttgtacg ttttttttta atgttctaca aagataaacc 240
 catagatttg ctcttggggg acatttttca ggtaaagatg tgtgacctag gagaaactcc 300
 tgaaaaatgt gcagaacgaa ataagcacat tcgtattcga tataaacctt ctcttttcca 360

gcatgtgggt atacagtcac 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 aagtgaagg tagcttttgt tgtaaaactt 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 agctcaaag aaatctacct 120
 ctcaaagtga ccatgcattg g 141

<210> 11226
 <211> 98
 <212> DNA
 <213> Canis familiaris

<400> 11226
 ggcaggcgga gaccgtgagg 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


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aaatctactg aaatgcagaa atcacaaagt acggctagga atttgacttc agatagtcaa 120
cgtctacagt tggatctaca gaaaatggaa cttctggaaa gtaagatgac tgaggaacag 180
cattctctga aaaacaaaat taagcaaagt acaactgacc tggagacata caatgatttg 240
ccagctttta 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

```

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<210> 11228
<211> 153
<212> DNA
<213> Canis familiaris

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<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
tgccccgatg 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 ggaggagct 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 tcaactctagc agccaaaatg tgtagccaag tgctttgccca ggatcaagga	60
gtgtgtataa ggaaacattg gaattcaaatt gactatcttc acctgaaccc agtgaatttt	120
gctattcaac ttgagagaag tggaagatac acagtacaag ggaaaccac acttgaagac	180
ctgcagctat tttccaaaaa attttattgc gcttgttatg ctaatacaca gtgtaaagaa	240
agagtcgacc tgactgacat tcatactggt aaagtatgcg tgggtgaaga tgtttgtata	300
gatgtctatc taaactcagt acccagtggt caccctctg actggaaggg gaaatatgtc	360
acttcagca atatcttctc tgccatgccca 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

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<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

```

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<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 aaggacagc gctgtgcaga tttgatattt caacttatga 60
tgttttaaaa aattgcacaa aaatatgcct gttggctttt cagtctatat ttgaaataac 120
aggtnacag gcagttgttt acttgtggtt ttgctgcact attgcaattt caaaggggct 180
ttgaagcaat tttttatagg attcttttga ggggtgntat cgaatccatg tcaaggtaat 240
ggtatnagga aatctcatct gcntgttgaa tccatagttt gtccagttca gattgatttc 300
caaatctgtc aattagaaat tctactttat gtataaaaag gcctttttaa 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 gccaaagcaca ccaagatgtg 60
 caaagtgaac aaaaagtata tacaaaaata caagccacac ataagcaaag agaattggct 120
 actaaatcat gggaaaattht cttggccaga acatcaaattg ctaaagcttt aaagaaagca 180
 aagagacttc aggagaaagc tatagaatcc tctagatata gtgagcacc accaaatgca 240
 gtatttcaca ggacagatat taaaggcctt aatacaacgg tgccttctgg tcgggtagta 300
 acagtggaaa gcaccctgc 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 tgtgttggtg catgggtgta tacagccaca cagattggga 180
 tagaatggaa cctatctcca gttggaagag tcacccaca 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 cccctgtttt ggatatcaga aacacacgaa      180
caaatggcac aagtttattt aaacagagaa ttggctaaca taaagaaaaa ggctttattg      240
aatgatgaaa caatgagctc tgggattatt gaaagggaca ctggattgcc tactacaggc      300
tttgagctc 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 tgggtggtcct gtg                                     573

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<210> 11237
<211> 527
<212> DNA
<213> Canis familiaris

```

```

<400> 11237
gtcaaattgt ccggtgcagga ctacagctat aagggtttca taccaggcca cccctatttt      60
cctgagaaat attggctctg tcaagaggaa gtagacaaat gcaaccata ccacctgtgt      120
ggtgaccggt ataacttatg gaggatggga ccttacaact gtaccggctg gaacaaatat      180
accacatgcc ttctcggct acctaaggag gccggaatgg agacagcttg tcgaggaatg      240
cctttgcgat gccctcctaa gccggaacga ctcaatgcct acgagcgcga ggtggtggtg      300
aacatgttga actcgtctgc acggaaccag cactgccgc aaatcacttc ccgatgcggg      360
tgcggggacc cgctgcccg tcgcttgccc ttccagggtt atgaaagcgc ttgctctggc      420
cgccactact gtctacgtgg gatggactac tgcgccacca gagcacctg cacggaacgc      480
cgctccggt ctttgtgcac ccagcagccg actcagtgtg tcgcct                                     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 ccccttttga 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 nncagtgag      60
aggaagatgc gagaagccca gacagcgagc cactcagtgc acatacagga gcccagtcctg      120
tggcctccct gcgtatacag gcagctcatg agaccaggg aggaggaaat gaggtaaccc      180

```

catcaccgnt gttccctcaa gaataggtca ctgttcaaca tgaatcagta aacttcaaga 240
 ggggtggctcg 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 cagactgggtg 120
 agaatggccc agacctaagc gaacccttaa accctgaggt tctggcctca gg 172

<210> 11241
 <211> 539
 <212> DNA
 <213> Canis familiaris

<400> 11241
 gggcaattgt cagcgtatct cttttctgga agggtttaaa agcttgggtg cttgtgaatg 60
 cctgggttcac ctatgcaatc ttgccagcat tttttgtcgt actcatcgtc cttgcttgct 120
 gtgggaaact ccgccgtcag gtgcctgcga attacattct cctgggatta ttacgggttc 180
 ttcaaggtct gctgctcgga gccgtatcag ttttctataa tgccgaggaa gtgctgtggg 240
 caacagcagc aactgctctg gtgacctgtg cgctcacttt atttgctctt cagacaaaat 300
 gggatttcac catgctgaat ggaatgctgt ttgttttact cttcgtactt attatctatg 360
 gaattctctt actcttcata cgatcatatt ggttgcatct gttgtatgct ggacttggaa 420
 ctatagtctt ctacttttac 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 aggcattgtat gagttacaga 180
agctgctcaa caaagtggtc accaaactca gaaacttcag aaccaggggc 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 aagggtgacac aggtgctggg gccagggtat 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 tgaaggggcaa 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 gaatTTTTtag ccaagggttag tgatacagtt cccagtgcct 300
tctcaacaag atatgaagaa gctctgagat atgaggaaga gagagtccaa gccaggcggt 360
cggccaggca ctactgctac agccagtatg tgttataggg gcacaancag cagcttttct 420
cgctcttact gatacctgag ggttttttcc caatcatcta aggaaaatat gacatcacia 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
 tgggtggaatc catcagtaat actgtcaaga acttcaaaaa aagtgaagta gagtgtctca 60
 taagactttt tcacagcttg gtggaaagag ctaatgtaag acttaataac tncggactag 120
 atcgtaatgc atttcgagcg atcctgcaca gcgtatttgg aatgactgat gatatgctta 180
 tgaatagggg attttttgca ttgacaaag acaatgataa ctgcataaat gccaaagagt 240
 ggggttaaagg attatcggtg tttcttcgag ggacttttga agaaaagctt aagttctggt 300
 ttgaagttta ctatttgaac ggtgatgggt acatttctca agaagagata ttgacatgt 360
 tgaagaacag tctgcaccaa cagtcacttg 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
 cctgcgggtct tgcagctctt cagactgctt tagtaaagtg atgccgccga ggaaaaagag 180
 gagacctgcc tccggagatg acttatccgc caagaaaagt agacacgatg gcatgtatag 240
 gaaatatgat tcaaccagaa taaagacgga agaagaagcc ttttcaagta agagatgctt 300
 agagtgggtc tacgaatatg cagggtactga tgatgttgta ggtcctgaag gaatggagaa 360
 attttgtgaa gacattggtg ttgaaccaga aaatgtagtt atgcttgtcc tagcttgga 420
 actggatgca caaaacatgg gttattttac tctacaggaa tgggttaaaag 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 ngncgtgtng naggatcccn 60
 ctgaggcgct gagtaaccgc gtggtgccct tcctgaagca gaagctcctc agcaccaatg 120
 atgacattcg cagcaaagct gcctgcatgc tcaactgtggt cagggaaata tgctgccctg 180
 gacgcagaag ccattccacc 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 ccgtcttggg ttatatcatt tgtcatcttg atctatatga ttcccaaagc 120
 agtggttaacg atgtaatccg agccatgaat gtcaatccca agatttcatt tcctcctgaa 180

gttgactttt gtctcctcag tgacttcac caggagatat gctgcattgc ctttgcaatg 240
 cagacttttag acccaccct 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 ccccatgggtg 60
 ccgggggggag atcggtctcc ttccagaatg cttccgccat gcaccaccac ctgcaatggc 120
 agcacgctat taaatccaaa ttgcctaac cagaatgatg gtgttgacgc tgatggaagc 180
 cacagcagtt ccccaactgt ttgaattct agtggcagaa tggatgaatc tgtttggcga 240
 ccatattgaa attcctcagc agtggcccag cggatatccg gagccatgtc ccaaattgat 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 agtgaagggtg 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 cctaggggtcc 120
 tgcttattgt cccctccct tcccaccttn ccatgtttcc aagtcagctt tcctgcaaga 180
 agaaatcctg acaaaaaaag gtcttttgtc aagggtcaag agttgaattg ggggtggggg 240
 aatggatgca tctgaagcaa agaatgcagg tgcccagatg tgctcccctg agatgtttct 300
 ctgataacgt ccctaatacat gccagagaga cgagccattt gccagaact 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 ctcgggtccaa gctgcagatg ctagcatttt ttaccacaaa tcaagaatgg	120
acctaccatg cccgttgtga acgtgcttgt ggggtttttcc tttcctgggg gttgactggc	180
atgaagatga agcattgttg gtggctgttt tgacgtcttc cgtctcatcg tcttcctcct	240
cgacgtcctc ctcgtcctga gagcttccga aatataccat gctgttgggc agcgcaggag	300
aacctgggtgg 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

taaggggaagt cgtagcaggg cacctgctga aaaaacatca cccgatggc tcaaaggaaa	60
tcgtgcttcc agatgggaca gtgaaacgtc tgagtgatgg acgtgaagag actgtgtttc	120
ctgatgggac agtcgtccac gtggaaagga atggcgacag aacaatcatg ctgagcaatg	180
ggcaaaggga aattcaaacg gccgggttcg agaggaggga gtaccccgat ggtactgtca	240
agatttgtga ctgcacgggc taccaggaga cccgctatgc atccgggtgc gtgaagatca	300
gatatgagcc tggaacatg gtcctggatg gaggaagacg cctagaaaat aagcagcatg	360
ttggcagtta gtgggttttt aactcaacg tggagaatcc ccantcaca gggaaggaaa	420
atcttgaaaa 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 tgtgggtcccc gaaatctggc tgagaaggcc ctatcaaata 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 caccaccac caccatggnc tctncggtgg ccccatcanc ccctgtcta 120
 cactatgncg agggcctttg gcccttccc tccactaccc agcaaatacga tggagaagtt 180
 ggaggttgca aggtcagaag tgaaattaaa ctgggctggc ctgtcatcga acccaaagag 240
 ccacatgggt gatctgactc ccttggtcct caaccccgga ggcttcatt tctcatacct 300
 gactggaaac agtgcgcaca agctccattg ccctggcttc ccctggacct cggctttag 360
 tggctcccc 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	caagagaggg	tgggagacag	agcacctctt	tcctctcctg	240
gcagaaagag	ggagagatac	atgtgggtcc	tgcacacatc	acagatgtcc	actgcagtgc	300
aaacagctgg	caggagatgg	accagtgtgc	catttggttc	ctcatcacta	actgctcatc	360
catgtgccac	aattagacct	tagaagataa	agctgtaggg	gcattctgacc	tctgctcagg	420
tcattgatctc	gaggtcctcg	gatggaacct	cacctcagtc	tccccactca	gcaggaagtc	480
tgtttgtccc	tctg					494

<210> 11259
 <211> 345
 <212> DNA
 <213> Canis familiaris

<400> 11259						
gagatgacta	tctccactgc	tgagacagaa	gacctgcaga	gtcccaaatac	agaagagcat	60
gaagagtgtg	cagagccatt	gggaagcagc	gttttccaag	ctggtgggac	aggccaccct	120
ccccgtgtca	gaggaacagg	agatagcctt	ggaagcaaatac	acctccagct	catgccagaa	180
aggggacagg	ttattccaga	aagccacttt	agaaaaaggg	taaggaactt	tctgcaatgt	240
cttaattctca	ataaaaaagg	caaaggactg	gaagatcccc	ttcaaaaagg	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	atgccccaaa	gtgggcaaac	aagtgcacct	tagaacatag	cccagcaaag	120
gaccgagaaa	cccatacaaa	atgtggtgag	aattctcttta	tgtcaagtta	ccctgcttcc	180
tggtcagatg	caatccaaaa	ctggtatgag	gagcaccatg	attttgtcta	tggtgtagga	240
cctaagagtt	ctgatgcagt	tattggacat	tacaccaggg	ttgtttggta	ctcttcttat	300
catgttgggt	gtggaattgc	ctattgtccc	aatcaagaga	gtctaaaata	ctactatgtt	360
tgccaatatt	gtcctgctgg	caataatgtg	agtaaaaaga	ataaccctta	ccaacaagga	420


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acaccttggtg ctagttgccc tggttaactgt gacaatggac tatgcaccaa tagttgcgag    480
tatgaagatc tgcttagtaa ctgtgattct ttgaagaaga cagctggatg tgagcatgaa    540
ttgcttaagg aaaagtgcaa ggctacttgc ctatgtgaaa acaaa                    585

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<210> 11261
<211> 130
<212> DNA
<213> Canis familiaris

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<400> 11261
gaggatgcaa aggttggcca agctaccgta gcatcaggca tacctgctgg ctgggtggct    60
ttggactgtg gtcctgagac caacaagaga tatgtcgaag ttgtggccca agccaagtta    120
attgtgtgga                                     130

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<210> 11262
<211> 529
<212> DNA
<213> Canis familiaris

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<400> 11262
aaaatgactc ttgcacagtt gaaggaagct gaagatgaat ttgatgaaga ggatatgaga    60
gctattgaaa tatatagaga aaagcggtta caggaatgga aagctcttag gaaaaaaciaa    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 tttgttttat    360
aaaaacggtc agatagaagg caaattcatt ggaattatag aatgtggagg gataaatctc    420
aagctagaag aacttgagtg gaaactagca gaagttggag caatacagac tgatttagaa    480
gaaaacccca aaaaaagcat tgtagatgtg atggtatctt caattagaa                    529

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<210> 11263
<211> 111
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

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<400> 11263

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agtgcagaag cgtggattcg aatcccagct ccgtgattga tggctgtgga nccacagaga      60
gctgttttgca ttctcgatgc tccactctcc acatttgga aatagaggta t                111

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<210> 11264
<211> 426
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

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<400> 11264
acagagagag ttctggctcc tggcatctgt ttcatttgct gcttttgga 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 ctacgccttc ctgtgggaca agaagccctt gtgaccctaa      420
aagatg                                           426

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<210> 11265
<211> 405
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

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<400> 11265
ggagcctggt gcctcaggac actaacacaa aagcatcctc tcgatccagg aaaacagggt      60
ctctgactcg tgcgggcca cgagccttct gttcctgttc ctcttgccct ggcagctctg      120
cttgctggcg tcgcctgggc ctgtgtcaca gccgcatctt tgatgtcctc cttcctcggg      180
cctggccgac catgccaggg agaggatccc caagcctcct cactttctac agaaaacctt      240
caagaaaaca ctcaagtcac cgtaattcgc gtgctccgag ctctcaggac tgctgctgtg      300
gctctggggg ccctaggagc tgcgtattac atcattgaat ctttgtgaat acanccccc      360

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aggccccgtag tccagcagat ccagtttcca tcaaggatct ctctt 405

<210> 11266
 <211> 525
 <212> DNA
 <213> Canis familiaris

<400> 11266
 aataagcaga tccttgtgtt gggcctggat ggagcaggaa agaccagtgt tctccactct 60
 ctagcttttaa acagagtcca gcacagtgtg gcacccaccc aagggttcaa cgcagtatgc 120
 attaacactg aagatagcca aatggagttc ctggagattg gtggcagtga acctttccgt 180
 tcttattggg aaatgtacct gtccagagga ttgctgctga tctttgtggt ggattcagca 240
 gatcacaaca gattgcctga agctaagaaa caccttcattc 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 atagttagta cttatcaaga 60
 gatgctcttc aaagctctga tccttctccc cggatattac aactctcaat agccaaagcc 120
 acaaatccaa actatgttcc tccaaaaagg attgaaacca agatttcagt ttctgccctg 180
 actgctgttg caactccaag aattgtagac cttgctcattc caaggatcaa gatagagggc 240
 ctatgctttg aaagagaaaag aagtgaactg cccatccgtc ctatatccca cgctgccttg 300
 ctatgcaaac ctagccctcg aataatagct ctagctaagg ccaagcctct tcatcaagat 360
 tatctaccta tccgtgatgc cactggcca gtatcttatg ctgctatcca ttgcaaaata 420
 tctcctagaa ttcaagaact agctaatacca aatacaaggt ctctgtgca 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
 ccaacccac tctttgtatg gaaagagtct cgcagtcctn gggcacttag cttcgtggna 60
 ggtgtgagcc ccacagtcct ggaccaggnc cgaagcctcg ggtgctcgca tgtgagaaac 120
 attgcggaac aaanccaccc gaaaaccgaa aaccggtcag tgtgattccc gngatacttn 180
 cctgttcaga ggtcaaagaa gaaanactga aagaacactg cttagtgaga aataatccac 240
 ggtaaaggta tcaaggataa acagcgtcag gacgggtggc atctgtgggg caggatggag 300

gtgagccaga ccgggggacg tgaggagact ctactactg cccaggttag gaatcttgat 360
gactccgagg ncgattatat tagcaaatcc tncgcacaaa tattttgtac attctttcct 420
cagtatatatt 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
tcggtt 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
gcagcagggg cgcacgctg ctgcactgcg ctgctggggg gagccgctcg gccgcgctct 120
gcctggccta cctcatgaag taccacgcct tgctgctgct ggacgcccac gcgtgggcca 180
agtcgtgccg ccccatcatc agaccaaca 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
 ttgatgatgc cgatgtgaac agcgcccgac acccgctgaa gatcctacac caacaccgaa 60
 cccgaacggtt 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
 gccaaatata aaatgtcatt caccagaacg tactcaccat cgatctcctg accgaggcct 240
 agatcgatca ttagaagaga atctttgcta tagagatttc tgacacatga aaagattctt 300
 cacatccttg ggaaagggtca aagttacaaa ctgttttttt 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 aggggggactc 60
 agaagctcac tgttctttca cgagaaccag cccctcacc acaccaaca ggcgctaggg 120
 aaatttcaaa acctaagaat cttttcaact gccacctgca ccctgtctat ttggcaatag 180
 cgtgtcattg atgataa 197

<210> 11274
 <211> 483
 <212> DNA
 <213> Canis familiaris

<220>
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 <222> (32)..(32)

<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> (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 cctgggtatct caggacgcag agggccatgg tggatgcaca 180

aggangaagc agtctcggtg gggaggaata ctgaggcaag atcccgggaa acntgaaccc 240

agaattggaa ccagacatgc agaggaaggg tctcttgggg cccacacag cagattttcca 300

acaggacggc gagtgtgaagc cagaggacag atccttgga 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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aggatgncctg caggaggagg ggagcagggg ggaggaggat cagcatagta gtagcagcta      180
gtggtggttag caggattaag cccgtagcnc ttgtgagaac acatacatca cggccaggac      240
caggccgcct tgcaaacact gcaggagtta gcgtgctgaa tcctcacgca gttctaggta      300
gttgacatca tttttatcag gcctatttta catacgtgta tactgaatac tgagggtcatg     360
gctagcaaga aaggccttga ttctcttagc cactgttcag ccagggggagg taagaccagt      420
acaactcaac aagggtgaaa acaatgccat tgaagagatg tgtgctcttg gctacagacc      480
ttttctctct ctgaggtgct caatctgatg gatccaca                               518

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<210> 11276

<211> 135

<212> DNA

<213> Canis familiaris

<400> 11276

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cctctctcaa gaatagtata catgagggtta ctccccagtt tccaggccag tttagttccc      60
agtatggcaa aaactctaata acccttaaat agtgctgaca tccacctccc cagagaagggt    120
cctcggccca gggtc                                                         135

```

<210> 11277

<211> 559

<212> DNA

<213> Canis familiaris

<400> 11277

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gaaactcacc atcatggatg ccttatcagt gacagcagtc cctcacatcc ccacctatgt      60
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 ccatgcggtg      300
cttagagaac aaggcagctt taaacagggc attagaacgg ttgaattggc ccatttcatt      360

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gaaggagctg tcgatgctgg aaaatgaaat ccttgctggg aaaatgtaca tccaacaggc 420
 tatggaactc caggaggctg ccaagaagga gaatcatgca aacaagtcac aaggagaggt 480
 agttcaagga aatccaacaa agaaaacgaa atcaaaaaaa ttggatcctc tcaaagggtca 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 cgttgggggt gaggggatca tcaacgtgac ccaggaaggg gtgtgggaca 300
 ccctggtagc caaagcccaa ggacttcgag ccgtagctga tgtggcccta cagctcgtga 360
 atgtagatga aattatagtg gccaaagaaa 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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 cacgtgtaca caacacaatt cagaaatacc naggaggact cctgcgggct taatggatgg 180
 cagtctactg aaacaaaatg tgtatgaaga agaaaatgtc aaacttgaga agcaaattcc 240

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cttttatttc ccacccaac tgcaagaaat ggaagatgaa actaccacca gaacaaaagt    300
tctttccaaa taagnacagt cgtagtactg ggtagcggt taactctttc accctacaaa    360
caaataatct ccacctgtc ctgcttggtt tctacagcgt tggcagcctg agatgacggt    420
tctattatga ggctactaat aacgtaaagt ggcattcttt aaaacttttc gcagctcaag    480
ctagtgaaac cttgtacttc tattattgcg ccgccattaa aagcagcatt                530

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<210> 11280
<211> 324
<212> DNA
<213> Canis familiaris

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<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 caggtggggg cggccgtggt    300
aaccatctgt gtcctgacag cagt                                           324

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<210> 11281
<211> 453
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

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<400> 11281
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gggtggccnc tttgaaggct ccactncnc caaggacgac tacaagcagt ggcctggcat    120
gcgcacagag ctagtcaagc ccgttcccca gttgaacatt cccactgagc ccttggattg    180

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tctgaccact atgcggggccc actatgtgcc ccacccaccc atcaatacca aaagctgtaa	240
gccttcctgg gtggggccccc 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

tgaaccgccc agctcctgtg gaagtcacat acaagaacat gagatttctt attacacaca	60
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 gaagggtgaa	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 cggggccctg	180
aacgggttcc tggccatcat ctatgtgtta gctgctactt tccgcctgtg cttttactca	240
actggtgctc agctcaccta taagggcctc ccctgccgct atgcttcctg tgtcctggcc	300
tccacctccc ttctgaccaa aggcaacacg ttcatctctt cttgcatggc ctcgcttatg	360
attctcttca tgatggacca gagctactac ccgcatgatg aaatcctgga gtctgagaac	420

tggaaaaaat tggtttatct gggaggtatc ttcattgctgc tttgtcccc gttctcccta 480
actgcttttt actgcttgct gtg 503

<210> 11284
<211> 461
<212> DNA
<213> Canis familiaris

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<222> (26)..(26)
<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> (102)..(102)
<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> (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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<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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<221> misc_feature
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<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> (390)..(390)
 <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> (395)..(396)
 <223> n is a, c, g, or t

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 agttgtaggc attcactggt ggatcttggg acttctcctt tacaggatgg gattgtttcc 180
 agaagaaaga tccacatgaa ggctctgcat taacagggag cagcacctcc atagacctga 240
 gattaggatg gccagagcac aaatgagaga cagagagaga ggcagaccna ggcagnnnnn 300
 nnnnnnnnnn nnntncaggg aggnncgacgt gggactggat ccgggggtccc caggatcacn 360
 cnccaggctg cagacggcgc caaaccgntn tnnnncggg gctgcccaca aatcatcttt 420
 ttttctaaat ataattactg catttcgtat atccacgcaa g 461

<210> 11285
 <211> 416
 <212> DNA
 <213> Canis familiaris

<400> 11285
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 tattatatgg ctacgatct ctctaccaa agggccagga cacaaaaact acatagatct 180
 gggcatgtcc atcttctctt tcatctcagg tacctgccta ttcctctgcc tcattttgtt 240
 cctgatgcaa gtgaaattgt acagtaagaa catcttggag cccattttcc tgtagtcta 300
 ccacctcaat tgggtggggca 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

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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> (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

<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

<220>
 <221> misc_feature
 <222> (402)..(402)
 <223> n is a, c, g, or t

<400> 11286
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 aggtgctgct ctgatgggtg cgggggtncan ggcagncggt gncgggttct ccaaccccgt 120
 gtccaggccn ttcccggccc ctctcccat caccaaggct cttgtgactg tccaggggtg 180
 aaggacccga tgcgctttgg tccttagcaa aacagaagga aaatccgacc cagggcnct 240
 ccgccagacc atgttctgcc ctttctcagt ctccgtagcg tgaaatccac ctcttcntgc 300
 actcctgcgg cctctgtcca cattctttga ttingaagact ctttaagatac tctgatttct 360
 gatagtccag ctttttggag aatgtctgtc atcttccaaa tncatctata agtggctact 420
 aatcactttc tccaccaacg aggattctga acagttcctg gtcagtggct gtcagagtgc 480
 ttcatttag 489

<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 atcggaacc attcttcccc acaaagaaag 300
 cagaacggct catcactggc ttaaccaacc ggaatcttct ccacttggct gaattccctg 360
 gtgacctaat gctaataaat caggatttta tatcacgggg agtcttcccc accgaggtga 420
 caaaggccag cctcctg 437

<210> 11288
 <211> 42
 <212> DNA
 <213> Canis familiaris

<400> 11288
 gagagcgtcc ggaaagagta catgcctaaa gctgcctctc ac 42

<210> 11289
 <211> 404
 <212> DNA
 <213> Canis familiaris

<400> 11289
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 ggtgcgccgg aacttgctgc atgcagtaat cagagtgatg gtcattcagc gctggtggaa 120
 gcaaatacctg acaaagctga tggagaggag gcggcggtgca gcattggaaa cctttacacg 180
 gaaggagtgg gcagcagtca agctgcagtc ctgggtccgc atgtggcgca ttcataggcg 240
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 tgcttcccgg ggtttcatca agggacacta cagagtcact gcccaaccagc tgcattctga 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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 ttggaataat ttgcaaaggg ttctacttct ctgtgcacac aagaagtga 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 atcaaattggc actatgtgcg gtccagatag ggtttgcaat 360
 aatttgcttc attgtcactg tgatgttgga nattctcttc cactttgtna accatcacga 420
 acatcaccag gaggaagtat tgataacggg ttttggaaata ggggaagtga tgataacaac 480
 ctgattataa aaagacgtgc ttcttttcga aaaaatagcc tcttgtttg 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
 aaatcctggg 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
 ggatgagggg gcagagcagg gcccggtggcg ccgggagtaa agaagggggc cggactgccg 180
 gacgttccca tagtaaattct 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
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 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
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 agaggaaagc ttcaaagaag ggcaaggaat caggtacaga atctgaagat gaaaagaaag 120
 gtcccaagaa agagaagaaa gtcctaaaga 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 ctgagagttg ctgaatgatg caaagctgag	180
actcagcagg atttgtggccg acccagaagt ctaccagggg ctcttgata aactagtgt	240
ccaggggtctg ctccggctgc tggagccgt ggtaattata cgctgcaggc cacaggacct	300
cctcctggtg gaggtgtcag tgctaaaagc catccctgag tacatggcag tctcccataa	360
atgtgtggaa gtccaagttg atcaagaggt gcacctgtct atgaatgcag ctggaggtgt	420
ggaggtctac agtggcaatc agagaataaa ggtttccaat accctagaaa gtcgactgga	480
tctcttagcc caacaaaaga tgctgaaat 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 gagaccagg aaacccaaag caggagnccn	60
cagaagaggg gatgcaagac tgggtgtcatc cacagttaca gggaagagcc acccagncca	120
ggccagaaga ccagtgggaag gtccttttaa cagactttcc caaagatctc agcataagga	180
ccagagttct cgacacattg ctttcctca gcagcttcac tctaaggctg caggtccccc	240

aattcagcaa ggggcagggc tgagagctgg tgacatcctg acccctcaac actgtaagca 300
 ctgccattgg gtccacatgg aaaagcatct ctcttcccc 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
 aaccaagac ctgaagccaa accagttgtg ggggtggaaat aataaactag ctaaacta 118

<210> 11300
 <211> 339
 <212> DNA
 <213> Canis familiaris

<400> 11300
 tctcggcgag catcatccat tgcggcctcc cggctggagg aagccatgtc agagctcact 60
 gtaccagct 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 tgggtggagaa tagcattaac 60
 aaatactcct atccctggca cttaccactt gaaaactttc attgaagaat cttattataa 120
 tccagtaata gcaacctaca attttaaaaa cgaaggaagg aaaaaaccac ctcttgtgca 180
 aagaaatgat ccagtcctaa atgaccttcc cctgtacaca cctcctgact tcttggactt 240
 gttaaagaag caagtggcca cttactcatt taaagacaaa cctcggtcga gccccagcag 300
 gctgggtttac 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 tgttcgaggt ccagacgcag 60

ctcttggaag ctatgttttg 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 acaaagtcag 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

tcttggctct cctcagcttg ctgtccctac cctcagcanc tgcacaagca gccctggcgt 60

gccctggcca aggccacat 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
 aaagtacat gaagctgtaa agaaggtgct gttaaagacg tttcccaatc aggtcttcag 120
 agtcccccta acggatgctc agaacttcag cttctggcgg tcccatggtc caggagtgcg 180
 tccagaggaa accatgccat ggatccgaag ccccgccac 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
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 aaaccagaag ganccagtgt ccactaggct tccacctatt atctcagaag atgggaatta 120
 ttccgtgcac cagaatagcc atacaaagta ccatgaagct gtaaagaagg tgctgttaaa 180
 gacgtttccc aatcaggtct tcagagtccc cttaacggat gctcagaact tcagcttctg 240
 gcgggtccat ggtccaggag tgcgtccaga ggaaaccatg ccatggatcc gaagcccccg 300
 ccactgtctc attaaaagcc caatgaccag gtttatggat cactctgttc ttagtgacag 360
 gcacttcagt ctgtactgag caggatgtgt ttgcagaagg gccaagatgg actgtggaag 420

cagggcaaag aaggagaaag tgggagaagg tgtcctgggt 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
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 tcaaggtcca gttctcacag atccaaatct tgggtgtgttg 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
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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 actgcccaaca 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 aagtgggtgga 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
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 ggaattagca gatcttgagc agaaatggaa aaatttgtgc ctgccaatag aganccttcag 120
 ggctctgttg cagttggatc cttgcgaaga caagatcgag tggataaaat ttttagcgct 180
 tggatgtagc atgcttggtg ggtcactgaa cagttcgatg aagcacctgt gcgagatcct 240
 caccaccgac cccgagggcg ggccctgcgcg 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 tgccctctcc 79

<210> 11314
 <211> 244

<212> DNA
 <213> Canis familiaris

<400> 11314
 ctcccagggtg tgagagctgg cagtagagca ccctggcagc tgggtgtccca tcctgttgac 60
 cactcctccc cacctttcag ctcatctctt tcagattgtg gatgtgagac aagtcttggt 120
 gagctgtgta gtgctcttct ttgccgtttg cattttacag cattcatttg ggagccatag 180
 tgcattccact acagagaaga ttccagtaat aaacagcgaa gagggagggtg 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

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tgctgacaa tctctgttcg tttgaatgaa cgtgaaataa ttgtttacaa gancgtgaca    60
tacaactgca cgtttgtata cccatctgaa gtnccctctg aagccccaag agcaaagtnt    120
ttcaaaacta atagttncta ttttgttcgt tgttgtaatn ctattaattg caatgaaggt    180
ggncctttta gtctggataa tgatatagtc cttcagaagc caattgaaga gcctttatcg    240
ggaattgtgc nctgggggga gtacagggtt tatctgactg ttgcttccat cctagtcagc    300
a                                                                           301

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<210> 11316
<211> 389
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

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<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 ttcgttggtg tnaatgctat gacttgcaat gaggggggac ctaccaattt    300
ggagagggat atcatcccgg attaccaat tgaggaagag ttagaaggag ccgtgcgctt    360
gggggagtcc acatttttcc tgagcggtg                                     389

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<210> 11317
<211> 424
<212> DNA
<213> Canis familiaris

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<400> 11317
catgaaagggt gttgcccgagg gcctacatac attgcacaag gctgacataa ttcattggatc    60
acttcatcag aacaatgtat ttgctttaaa tcgtgaacaa ggaattgttg gagattttga    120
cttcaccaaa tctgtgagtc agcgaacttc agtgaacatg atggttggtg acttgagttt    180

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gatatcacct gaactgaaaa tgggaaagcc tgcttctcca agttctgact tgtatgctta 240
 tggttgcctt ttattatggc tttctgttca aaatcagaaa tttgagacaa atgaagatgg 300
 aattccaaaa gtggatcagt ttcgtttggg tgataatgtc aaatccctcc tctatagctt 360
 gatataattgt agaagttcaa tgactgctga gcaagttttg aatgcagaat gtttcttggt 420
 gccca 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
 acgcggtgcc catctccgag ggcaacgtgc tgccgggcct gcngggccgg gccgactacg 60
 cgggcgggcga cctcaccgcg tacctgctgc ggctgctcaa cgagtcgggc cacgcgttca 120
 ccgacgacca cctgcacatc gtggagcaca tcaagaagca gtgctgctcc gcggcgccgg 180
 cgcccggccg cgagctcggc ctgcgcgtgg actacgagct gcccgacggc cggcgcctgg 240
 ccgtggggccc cgagcgcttc cagtgcgcgg agatgctctt ccggcccagc gtggcgggca 300
 gcagccagcc cgggctgccc gcgctcgccg ccgcctgcct gcagcgctgc cgggacgcgg 360
 gcctcggggc ggagatggcc gccaacgtgc tgctgtgcgg cggctgcacc atgctgggcg 420
 gcttccccgc gcgcttcag agcgagctgg gcctgctccg gaagacgtcg gtgtgga 477

<210> 11319
 <211> 218
 <212> DNA
 <213> Canis familiaris

<400> 11319
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 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 gaaagtgtg 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 attaatacag	60
gcctcttgaa gatgttgaag aattttcaaa cctaaggagt gaattgccaa aaataaagtt	120
ggaagagata cctttcaata ctggggccat ccagcattgt agtatgtagg ccactcgtg	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 gcacgctaata 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
acatttgga 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 ctttatcaag 60
 ctccagtttt tcaggaaga 79

<210> 11324
 <211> 100
 <212> DNA
 <213> Canis familiaris

<400> 11324
 ggctaaaact agactgatcg aagctgctaa cttaaagctt ggggtgtgagg gtggaacatg 60
 acatggagaa gaattaccac agatccccac tggacatcaa 100

<210> 11325
 <211> 529
 <212> DNA
 <213> Canis familiaris

<400> 11325
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 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
 cctattatct ctataattga tattcatcct ttccttcaaa acccagcctc ttgtaagaaa 480
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<210> 11326
 <211> 400
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (30)..(30)
 <223> n is a, c, g, or t

<220>
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 <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> (101)..(101)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (110)..(110)
 <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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 gttctcgtgg ggctgccagc tggggctttg actgccgcca ncccatctan ccagcgtct 120
 tcaccnaggg ttggctactt ctccgactgg atccatgaga tccagatgct cacacctncc 180
 ccctgatccc acatctgctc ctcaganccc gtttccgggc cagcatctgt cgacnggcc 240
 gctcctctgg gcaccctgca gcccttgtgc ctccccagac ctggctcctg ctgctgtgtg 300
 cattcagaga cccccagtag gccctgcaag tgaccctcc cccctagccc cagccagctg 360
 tctgcctcgg gccccagtct ggtcaccaga accttcaca 400

<210> 11327
 <211> 328
 <212> DNA
 <213> Canis familiaris

<400> 11327
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 ttgagaagt ggtcgatcca agcaatttta taaccagact tacggaggca ggaagtacaa 120
 aagtgattgg ggctcttctg gtagaggagg gtatcagcat gcgagagggtg 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
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<210> 11329
 <211> 395
 <212> DNA
 <213> Canis familiaris

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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> (313)..(313)

<223> n is a, c, g, or t

<400> 11329

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gttcancctc cttcctgggt ttacaccta caagttctac tgtctgaaga ctgatggact	120
cagccttctc agagtcacca caacttccag tgncccctga 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

cccattgtcct actatagtcc tgtaaggaca gaaggaacaa gacctgtacc cccttggtcg	60
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gtccagaggt atccatgcct ggggcaggtc aaaggtggtg aggacgttcc aagacattcc	180
tgaaacttat gtctatgtgc agcaggcgct atggtatgcc atgaaagagt ataacaaggc	240
cagcaaagac aagtacatct tcaaggatcat aaaggtcttg aaatcccagg agcaggtcac	300
agagagttta gactactttc ttgaggtcaa aattgcccga acaatgtgca agaaaatttc	360
aggagaaaat gaatattgcc tattacaaaa ggatcccaa atccaaaaga tgtttttttg	420
cacctttatt gttgcaacca aaccttgaa atttgagttc actatgctga agaaacactg	480
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<210> 11331

<211> 415

<212> DNA

<213> Canis familiaris

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<223> n is a, c, g, or t

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<222> (68)..(68)

<223> n is a, c, g, or t

<400> 11331

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atcagtcatc atatctcaag ctgtgatgat aaaagttgta ttgagcagga tgttgtcaac      180
caaaccagga accttggaca agagactctg gccgagagca catggcagtg ccctccttgc      240
gatgaagact gggataaaga tctgtgggaa cagaccagca cccatttgt ctggggcaca      300
gccaaactact gtggcaacaa cagccctgca agcaacgtag tcatggaaca taagagtaac      360
ctggcttcag gcatgcgtgt tccaagtct ctgccgtatg tctgccatg gaaaa             415

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<210> 11332

<211> 142

<212> DNA

<213> Canis familiaris

<400> 11332

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aacaatggaa atgcacagta acggaatata tatctcatca aatgccagac cctggaagat      60
tcttgcttct tctgctacc agtgggttct tcggggtgtt tttcctccta acctaatat      120
agaaagataa actgtctgtg ac                                             142

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<210> 11333

<211> 407

<212> DNA

<213> Canis familiaris

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<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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<222> (92)..(92)

<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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 <222> (151)..(151)
 <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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 tctagtgttg gctactgatg gggtgtggga gnccatgcat aggcaggatg tggttaggat 120
 tgtgggtgag tacctgancc ggcattgcac 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
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 agatttgtaa aagatactaa tataataaac atttccagtg ggtca 105

<210> 11335
 <211> 443
 <212> DNA
 <213> Canis familiaris

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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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 <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

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 <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 ggattcaa at gaagaagaaa ncaaggncag 180
 ccttgtagat gatgatgaag agaaagaaga tcttggtgat gaggaggaag cagaggagga 240
 tgaagaagan ggncagctct gtcctcctg 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
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 ccctctggtc tgcagtgtaa atcaa atcct tattttttcc 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
 gnaggggtgtc aggggggcctc gggctcaggg gctccagccc accacgttca cccacacggc 180
 ccaccccggg ctaccagctt tctgcagcat gtcggtggac accactgatg gtgaccccag 240
 ccctgcccac cactgggggc tgcgctagct gggctggcat cccacacctc gaagccattt 300
 cctgaaccca caaattattc ttagagaaaag atagttatcc agaaattccc cattaccctc 360
 acccacgggtg catgccagca cacacacccc aaacacagga gggccttagg gtctggccccg 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 tgctaattgtg gagacaaaca 180
 atacaggaga ccaagaaaag actctcgtaa cacaaatcat agacttgaat gcaccacaaa 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 agggagtaa 480
 ttgttgtgga ccttggaag gaataccccc cggcacctcg aagctatact cgagaa 536

<210> 11339
 <211> 539
 <212> DNA
 <213> Canis familiaris

<400> 11339

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tttcttcatc ttcattctgtc tgggacaacg tcgtagatta cttttctctg agctcaatat    60
ggaattggct acaagcaact cttctgggag agactagtcc acctcagcaa acaaatttgg    120
gtctactaga taatcttggg ccaactgtgc aagttatcct ggggatttcc tttttgcttt    180
tgttgggaat aggagtgtat gccatgtgga aacgaagtgt tcagtcaatt cagaaaatat    240
tgttgtttat aatcacactc tacaaacttt acaagaaggg ctcagatttt tttcaggctt    300
tgctggtcag ccagatggg aatcttctcc caattcaaga caataatctc ttcctgtcct    360
tgggtctgca agagagaatt ttgaaaaaac ttcagacggg ggaaaacaaa gtgaaggacc    420
tggaggggat gatcatttcc cacaaacctg ccacaaagag ggagtgtcc tctgagccct    480
actgcagctg ctctgactgc cagagtcctt taccacatc agggtttact tccacatct    539

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<210> 11340

<211> 268

<212> DNA

<213> Canis familiaris

<400> 11340

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agggaagccc tcattctctaa cttttgcacg tgtcagtgtt ggaaacacac ccatcacagc    60
tggtctcaag ctaccaccag tttaacctgt tcacaaaaat gcccaaaaac ttaacaatct    120
ggatcatgaca tgagctgccc cagcccaactg ctgcctgcag ggaaccctaa ccagcagggt    180
ttgatatgat aaactcgctc tgcgactaga gatgtggagc aggcaggggac ggattcagggt    240
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<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
tgtttcttctc ttaatcaatt ctttacacaa actggcctta tccactcaca aagtaatgtt    180
cagcaaaatg tttgtcacgg tgcaatgcat ccaacaaaac cttcccaaca cattggaaca    240

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ggaaatttgt acatagactc caggcaaaat ctccctcctt cagtgatgcc gccccctggc 300
 taccttcaca tcccacaggc actcagcact ccaggaacga caattgcagg ccatcacgga 360
 gccatgaacc agcagcacat gatgcctt 388

<210> 11342
 <211> 406
 <212> DNA
 <213> Canis familiaris

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 <221> misc_feature
 <222> (73)..(73)
 <223> n is a, c, g, or t

<220>
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 <222> (211)..(211)
 <223> n is a, c, g, or t

<220>
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 <222> (354)..(354)
 <223> n is a, c, g, or t

<400> 11342
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 gttttgaaga tctgggggctt cccccaaagc agtcactgag cctcggcctc ccctgctcaa 180
 ccacctaccc actccgcctt cagcattgca ngcgagagga cacagctctc taacgcccgc 240
 tcagacaggt cggcaggact cagcggggga caatccaggc aagagcaatc agctttggag 300
 attccaaata ggacgtgtgt agatcagaga gcatttcgtg tttggataac aggnntaaat 360
 ccttacggga tggttgaaaa tcctttgtca aaggatgaacc 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 aggccaaagt 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
ccctgcccc 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 gcaggttggc gcacagtgcg tgtttttagt ctttctcatg taccaacacc 60
tgcccctggc gagccaagcc gtcattgcgt gcagcaccga gagctgccct ggaccctatt 120
tctgcctgat ccgggggtact atggagaagc gaatgtccat ctacaccctc attaccttgt 180
ccttcatgat catcctcttc tgcttaggtt tcttcatgta cagcatccac cattacctgt 240
taaaagggct tgccagtgc aagttttggc ttgactaact tttggaagtt ttcactgaga 300
gtctccttcc ttacactagg aagcttgtgt tcctttaaat attgtgtctg gggcagggtc 360
tcctcctgct aactttcttt gcttttagacc ttcatt 395

<210> 11346
<211> 391
<212> DNA
<213> Canis familiaris

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 <223> n is a, c, g, or t

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 <222> (110)..(114)
 <223> n is a, c, g, or t

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 aggggtgactg gaaggtnccc aagatagagg agaaggaagc cctggtgccn nnnnccgaaa 120
 gccatcgaca gcttccaccc agaaccccat ccccgagtgg ctttctggat aatgaagctg 180
 ccacggcgga ggtcccacca ggacattcag gaggggtggcc gctggctcag cgagaagcga 240
 caccgcctgc aggccatccg ggatgggctc cgggagggga gtcacgagga cagccttgaa 300
 gaggggaccc aggggtcctc cactccaag ctgccagccc gcaagacca cttcctgtac 360
 atcctcaggc cctctcagca gctatagggg g 391

<210> 11347
 <211> 164
 <212> DNA
 <213> Canis familiaris

<400> 11347
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 tgatggagtg ccacagggaa aagggtccagg 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 tgcattgactc 120

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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
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<210> 11349
<211> 588
<212> DNA
<213> Canis familiaris

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> 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)..(142)
<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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<223> n is a, c, g, or t

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<220>
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 <222> (183)..(183)
 <223> n is a, c, g, or t

<220>
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 <222> (269)..(269)
 <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> (458)..(458)
 <223> n is a, c, g, or t

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 ctncagggn tanccangnc accngagnca tccaagccat ccgagccacc agagccannn 120
 nnnnnncnnn agnnnnncna nncanngag cnanccaagc catccgagcc accnnagcca 180
 ccngagccac agtctgcca accgcagcca ccagatctgt caaccctttg aagccaccta 240
 accatgggtg gagacacccc ttccccanc aaggctggca cacaattgca ggcctgttct 300
 ctctcctgtg gggcagcctg tgtggcccag agtgagatgc tgctgccaa atccctcctt 360
 cataccccct caggggtcct gggcccctcc cagtctgtga gtaggggatg ccacagagga 420
 cggctcctga tggagggcga gtggaaggaa ncgaagcngc caagacagac tcacggggccc 480
 ctgaaggccc acagagaaga taggcgaggc agatcccagg agtagctgag agccccagac 540
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<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 gaaggatggt	240
gacaaacatt atataaaacc aattacaaag tgtgaaagta gcactcagac ggatacacac	300
atattgccac caaccattgt gagatcgtat gagtggaatg aatgggaatt aagaagaaaa	360
gctataaaat tggccaatth gcgtcagaaa gttactcact cagtacaaac cgatctcagt	420
cacatgagaa gagagaatta ttcacagggtg taccacacca aggatgctag cacgcagtct	480
atgagagaag gcagcacccg agtgcccagg cccagattt acctagctgg tctccgtggg	540
ggacagagta aaatcacttc tggg	564

<210> 11351
 <211> 352
 <212> DNA
 <213> Canis familiaris

<400> 11351	
cttcatcaac agttcgaaac cctcattcca tattctcaag taagcagaat gaaggatggt	60
gacaaacatt atataaaacc aattacaaag tgtgaaagta gcactcagac ggatacacac	120
atattgccac caaccattgt gagatcgtat gagtggaatg aatgggaatt aagaagaaaa	180
gctataaaat tggccaatth gcgtcagaaa gttactcact cagtacaaac cgatctcagt	240
cacatgagaa gagagaatta ttcacagggtg taccacacca aggatgctag cacgcagtct	300
atgagagaag gcagcacccg agtgcccagg cccagattt acctagctgg tc	352

<210> 11352
 <211> 540
 <212> DNA
 <213> Canis familiaris

<400> 11352	
caagagctct tgcagaatcc atccccttta ccttctaggt caggtcacia 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
acacgggtctt ttctgtctcc aagaacaag tcaccaggaa gaagtgaag 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 aaccattat ccttgcaaat gattcagcaa tcctggaagt acgcagggaa 120
gttcaccctt 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 gccaaagccan ccatctaagc tgtgattttc aaggatatgga ctctagccaa 120
ctggtaggct acatgcaact tcctgatgtt ccacaaactg attcccaaatt 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 cccaagatc 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

acggctaattg gacgatttga agtaggcaag aagatctgtt tgagcatctc aggacatcat 60

cctgaaactt ggcagccttc atggagtata agaacagcgt tactagccat cattgggttt 120

atgccaaaca 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 cgcctactc gtcctaccag cccactccca 120

cgcagggcta tcagaacgtg gcctcccagg caccgcagag tcttccggcc atctcccagc 180

ccccgcagtc cagcgccatg ggttacatgg ggagccagtc ggtgtccatg ggctaccagc 240

cttatggcat gcagagtctc atgaccaccc ttcccagcca ggatgccctt ctgccgcccc 300

cacagcagcc ctacatcgca gggcagcagc ccatgtacca gcagatggca ccctccgggg 360

gaccccccca acagccaccc cctgtggccc agccgcccgc 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 atttgtggaag ctgaagacag atataaaaat 180
 gaactaagga aatcacttat ctgtaacaaa aaaattctgc tgaccccacg tagaagacaa 240
 ctcagtagtg aatctgctac ttctgaaaga ataanaanna nnnnaannng 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 tgtagcatt cactgttctt gccattttaa ttatgaggct 60
 gaagttgttt ttaacacccc acatgtgtgt tatggcttcc ttgatatgtt ctcgacggct 120
 ctttggctgg cttttttgca 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 cttccagtg gccaggtagg ctctcaatc tgagcaaatac tgagctcnca 60

tctctcaaga	ancagccccg	aacgggtgcag	gtccttggat	gttctancaa	acgcaggaac	120
gtgggatcct	ggtgttggca	gctaggggtgc	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 acttatgcc	60
attccttata	ttagctacta acggactctg ggaagttttg gatacaaagg aagtcactgc	120
actggcaatg	acaatgtttc aagtatataa agacacctac tattgtatca cacaaaatca	180
atctttacca	tccaaagagc ctttcctaata caatgaacta agcaatacta aatcagaaaag	240
taatatccat	atattgtttc agtataaatc tgaatctaca gaatgtgtgc caactataaa	300
tacaaaagaa	aatttgtttg attcaaaata ttctaaccct aaaaatgcag aaacatttcc	360
atcagaaatg	actaatcatc atctatacag tgagaaaagaa agaaatggac caaccagtgt	420
agatgtgtca	aaaaattcaa gtgaaaaaga atcatgcatt aaaaatttct atgaagggtgc	480
agccaagtat	attagccatg aacttgtaag tgcggcttta gtggctggat ccagagacaa	540
cattacagtc	atggttaatac ttctcaagg	569

<210> 11363
 <211> 447
 <212> DNA
 <213> Canis familiaris

<400> 11363		
ttaatatcc	aatgccact gctatttata ccaaaataaa tggacgcctc tgtgttgc	60
tggattttcc	acatgatttt attgatggca ataagatgtg ggtaaaagaa ggaactgttt	120
gtggtcttaa	taagggttgc 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
 cccaggtcc ctgcacattc tcttctgttc cagacacaga accaaataca ctggtttctt 120
 ccctcttctt agagggtcag acaggatcgg cagggtcatg cttactctct cccagtttta 180
 tacaaactgc ctttggtctt 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 gcagggtgtt tctgccctga tcgtgatcat cgccggggcc ttcattcatca 180
 caatcattta cagggtcttt caagagcata agagagaaaa ggaggtcccc ncgggtgtcc 240

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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

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<210> 11366
<211> 497
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

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<400> 11366
aggaacctgg tcactcacat gtgctggggtc cctcaagaac catatatact acagacttct    60
gaagataaaa ccatcagatt atgggacagc cgggggctgc aggtagctca tgtatttccc    120
gcaaagcagc atattcagac ctattgagag 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
atttgaacc aagatactgg agcctgcctg ttcaccctgt ccttgatgg atcaggacct    420
ctgacctccc tggctgntgg cgacaccgtc tccttgctgt gtgcaagttt cagcagagga    480
attcacctac tccgagt                                           497

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<210> 11367
<211> 66
<212> DNA
<213> Canis familiaris

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<400> 11367
ttcgaggaat tctgtgccgt tgtaggcggc ctagacatcc aaaaaagat ggtggtagat    60
gtgtga                                           66

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<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
 gggagggtctc cnttgggcgc ccgaacgagg cgggcgcttg 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 cgcattgacca 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 agcathtagg 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 ctttctgagc ctgcttctta aatcctataa tagaattcac ccctcctaca 360
ctaattggttc tgttt 375

<210> 11372
<211> 153
<212> DNA
<213> Canis familiaris

<400> 11372
gaactcaggg cggaatataga actgagaagg caccocatgg cttgttcctg tgttggtttc 60
accaagtaa 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

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agaaaacccc tacaggtgaa gactggtaga aggagacatt ttctgaagcg cccgtggagg      60
aggagcncctg gttagtgtcn caaggacgag ctcagtcttt gccaaagatg aagtagtctt    120
tgctttctgct 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
taaagctggg gctagtttaa atacgt                                           506

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<210> 11374

<211> 369

<212> DNA

<213> Canis familiaris

<400> 11374

```

aacaaggtca ttcttggcac cgggtcaagcc agttactttc gtgagtccaa gttccagaag      60
caaatacatt cctctgtata ctggttacgt gcagtccaca agtgccgatg acgtcgacaa    120
cccctttgga gacatcacgt ccattgccaa gcctcggagc tctaaaattc tctatacaaa    180
cacaagtcgc tctgccgaca ttccggggta caccagcaag cggcgctccg tagccagccg    240
ccctgcacat cctgaaatcc tgccgacaac cccgtcgacg gactccgaag cccaccgcat    300
cttacggaat gaaatggaag ttgacctctt cggtcaccag gcaccgctgt ctcgaatggg    360
cacaactgt                                           369

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<210> 11375

<211> 497

<212> DNA

<213> Canis familiaris

<400> 11375

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ctccagtagc aaaaacgccc agtgtgatag aagccttgaa ccagcagagc aagcctgccc      60
agcctgggat ctactgagc aaagccccac ccccgcccct gccgccccag ccgcccagcc    120
gcctccccca gaagaggcct gctcccggt gtcacctaac taattcacca ggttcaagtg    180
tcttaaaaat aacttcacaa gaatatttaa actatctctc tggaacggaa gttctgggtc    240

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ctctgtccaa cactggagtc ctgcagcccc cagcccccat gccaggaag tcacagacaa 300
ccaagttaaa gcccaagcgg gtcaaagctc tctataactg tgtggctgac aaccagacg 360
agctgacatt ctctgagggg gatgtgatta tcgtggatgg agaggaggac caagagtggg 420
ggattggcca catcgatgga gatcccagtc gcaaaggagc atttcccgtc tcatttgtgc 480
actttattgc tgactga 497

<210> 11376
<211> 439
<212> DNA
<213> Canis familiaris

<400> 11376
ggaactgaag ttcttgact catcaggatg ttcaacaaca aaggcaaaga agtgaagaag 60
gtggaattca agcacggtgg acactatgtc actgccccca aagaaggttc ttttgagctt 120
tgtggagacc gagtcctgaa actgggaacc aatatgtaca gcattaaccg gcccgaggaa 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 acgaggatgat caacatacag 420
gctactcagg accagcaaa 439

<210> 11377
<211> 116
<212> DNA
<213> Canis familiaris

<400> 11377
tgtgagtcctg cccatcattt tccatgtgcc atttcttata ccttgtgggc aatggcagag 60
aatgtggtca ggctaaagtt cagtccattt atatggcatg taaaaatttt caataa 116

<210> 11378
<211> 418
<212> DNA
<213> Canis familiaris

<400> 11378
tacactacgt gccagccacc aagggtgttc tgagcttccg ccggcccttc tggcacgacg 60
agcacatcga gggcgggccac tcgagcaccg cccgcccgtc gcgcgtgata ttctacccgc 120
cgccggggcga gggcgcgctt ctgctagcct cgtacacgtg gtccgacggg gcggccacat 180

tcgccggcct gagcgcgga gacgcgatgc gcgtggcgct cgacgacgtg gcggcgctgc	240
acggggccgat 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
tcattttaaac 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
gtgccaacc atccccgtct ggtgccccac catccccgct gcgagttcca gaagggtggt	120
gccaccaca gcccgggcga acataggatt actgttcggc acagcaccca caagagagcc	180
gagcatta	188

<210> 11381

<211> 344

<212> DNA

<213> Canis familiaris

<400> 11381

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gtcggcgaca atgtttttgc agctgtgctg tcaagcccca tctcttccgt tctggccatt      60
tctggcttcc ctttgaggag tgatgtgttt gagcttctcg ctttaacggt gtcattgtgta      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

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<210> 11382
<211> 344
<212> DNA
<213> Canis familiaris

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<400> 11382
gtcggcgaca atgtttttgc agctgtgctg tcaagcccca tctcttccgt tctggccatt      60
tctggcttcc ctttgaggag tgatgtgttt gagcttctcg ctttaacggt gtcattgtgta      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

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<210> 11383
<211> 163
<212> DNA
<213> Canis familiaris

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<400> 11383
tgaggcctcc aaggagcact ggtcacggaa actcggccaa agaaaacttc ctgccttcca      60
cttgtctcct ggtcttcagc caccagtgtg tgacctgctga ggagcagaat taccaccttc      120
ctaaacgcgg ggaagtaata aaggcatgaa aaggctaggg cca                          163

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<210> 11384
<211> 416
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

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<220>

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<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 gaaggggag agacagacat gccgcccttc gtcaaccctt tctggggtag 240
 ctccgccctc ctcaagcctg cagaacaggt caaggctcgc cccccagtgc tcggggctga 300
 ccccttcagc gacaagttgg atgaagatca gcctctggac cacagcagcc ttcagcagct 360
 ggtgctcagc aaccagttac gaagcagga attacactca gacagcatac cagaaa 416

<210> 11385
 <211> 70
 <212> DNA
 <213> Canis familiaris

<400> 11385
 aagaagttaa cggctctgagg 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 taagtgtat cccgtgnccc ctgagagacg cagagtcaag agcaggaaga 60
 agccagtctc tgaggctgtg cccccaagg cgaaggagg actgaatggt gctgccctg 120
 agggggagac tgacatcttg tctcagcgtg agggggaagc agccggccct gggcccgtg 180
 ggaaggaggt ggctgnngag gaagaggtgg caggggtccc aggctgggag gaaaacaccc 240
 aggtccgcaa ggagattgca gtatacgctt ctgaggcctc tgagatggag agtaaggagg 300
 gaaggcctgg gggctgggtc cccagctcc tgaggaagct ctggttgac tggttcccag 360
 cccctgacat cccgaagact cagaaccacg aatgaccaag cacccaataa atgcacag 418

<210> 11387
 <211> 354
 <212> DNA
 <213> Canis familiaris

<400> 11387
 tgcgggaggg catggcccta actatcgccc agaccaacaa tgagctcgaa gccagaggg 60
 tggccacaga attcaccttc aggaagcggc tgcgggagat ggagagagtg tacggcgagc 120
 tcaggtggca ggagaagaac accttgagg agatctccga gctgcaggag gacatccggc 180
 acctggagga cgatctgcgc agaaagtcc agaacctgaa gctatgccac acccggtag 240
 agtcccggac tcgccggccc aacgtggaac tgtgccagga ccaggctcag cacggcctca 300
 ctgacgaggt tcaccagtta gaggcaacca tcgtgcgct 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 caagctgccca 60
 gacnggganc gtcattctgtg tcggggagca gctgtncag gcgcctgagg ccctgttcgc 120
 acccgaccag ttgggcatcc agaaccagg cctctcgaaa atgggtctct gcagcatcag 180
 caagtgtgat gcagacatcc agaagaccct ttttggggag attgtgctgt ccgggggacac 240
 cactctgttc cagggcctcg atgaccgtct cctgaaggag ctggagcagc tggcttccaa 300
 ggggaccccc atcaagatca ctgctcccc 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 cacatggggtt attactcatc atataaaggg 60
 actgagaata agctgaagga tgatgatttt gaagaagagt catttgacat ccctgataac 120
 cctcctgcaa atctatatac caacatgaat gtttttgaaa attatgaagc aagcaaggcg 180
 tatagtagtg ttgatgagta cttttggggg aaaccacctt caacaggaga tgtctttgtg 240

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attatatttg aaaatccaat ttttaattaaa aaaatttaaag tgagtactgg aacagaagat 300
cgacaaaatg acattttaca tcatggagcc ctagatgttg gggataatgt tgtagatctc 360
aaacaaagta gacaatgtgt tacttactta agactagggg aattcaaaaa tggaaatttt 420
gaaatgtcag aggtgaatca aaaaattcca tttgatatac attgtataag gatatatgtt 480
acccaaacac aaaaggaatg gctgattatt aggagtatta gcatttggac ttcttagcca 540
attaaatcaa tatgtccagt tactgaagca ggctttc 577

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<210> 11391
<211> 575
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

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<400> 11391
ggagttcgcg tcacagtcct cgttgacgtg gggagaaggc acatcatctg gatgaatcac 60
tatttcgtgt cttttgcat cgtcacaacg gctaccctag cgtacttcat cttctaccac 120
atctggagac tctgggtagc ccggattcag agccggaggc ggcagcggct aaccaccac 180
ctcaagcagg ccttcgggca gctgcagctc cgggtcctca aggaggggga cgccgagctg 240
ggcgccagcg gggacagctg cgtgggtttgc ttcgagctct acaagcctga cgacacggtt 300
cgtatttctca cgtgtaagca cttttccac aaggactgca tcgaccctg gatcctggcc 360
cacgggacgt gtcctatgtg caaatgtgac atcctcaagg ctctgggcgt tcaggtggac 420
gtggaagacg gagcggagtc gttgcagggt ctcatgtcga gcgagctgtc tgccgccctg 480
tcccctggcn cggaggggac cgccgcngac ctccctgccc cgggcggggtc ggacaaaggg 540
gccctcccc agaacgacag ccagcctcgt tcggg 575

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<210> 11392
<211> 407
<212> DNA
<213> Canis familiaris

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<400> 11392

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ttcgtgtctt ttgcgatcgt cacaacgggt accctagcgt acttcatctt ctaccacatc	60
tggagactct gggtagcccg gattcagagc cggaggcggc agcggctaac caccacctc	120
aagcaggcct tcgggcagct gcagctccgg gtcctcaagg agggggacgc 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 ctaccaggt 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 aggagcaa	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 tgcgagtgt 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 gccattacg aagatgaccc 60
 caaaattgct ttcctgatgc agctacaaga cattcagtac ctggtagaga acatctgggc 120
 ttcccagtcg gtgctcagcg ccgggaatga tctcaatgat ctggtcctgg tcaggtggga 180
 tcgggtctttg gaatggtccc cctggaactg cattcttctt accaaagacg aagggtgttg 240
 tcatctcaag ctaacaagta ttgaggaggg atatgaaccc ttgtttattc acaagatcaa 300
 acacaaacat atcctggcta agaactactt ttctcacatt ccagtgcctgg 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
 tctggggctg cacacaaaaa ttcgagccta gttctctgtg attccagaac taccttgacc 180
 accacgtcat gttaatctaa aagnccagag agaagagaat aatacagaga ggaaaaagaa 240
 aggaattttg tgagccagtt gtaaagaatg cacagggttaa gagaatgcat gaggagaata 300
 tctgtgcaaa tatgctacca agccagtgag taagatagag ttcctgtttt gagggatgga 360
 aggcagtaaa tcaagcaacc cccaggccac ccaaaccctt ctaccaccta taccagccct 420
 gtgcaaaacg aaaacttggt gcccttggtt 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 catttggtcat 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 gatcttacct 240
 aaatgagcaa tggcactatg tgtggatata 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
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 accactcttt ttactaact gatttacagg atgntatacc tacaacattc caggggtgcta 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 cgcgcatgca gccacagaa gcccccatgc 180
 tgcattcagc ccaagtgtctg ctgtctggag ccaaaacctg aatgcacttg ccttaataag 240
 gattctgagc ccacatcacc caaaactcag agcaagaact ctcaaaccga acagcaaccc 300
 caaagtccaa aaggaggacc caacctaggt aatttggggc agaagaagcc aaataagtag 360

aggggtatac ccatcactta gtggggccag gctagaccta catttagaaa agctntttct 420
 cactgaccat cacttagtac aagcagaagc ctctatttcc cttcacaaca tcccccttag 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
 acttttagcac tgattaagcc tcacgtaaca catgaacaaa gagaggagat cttgaaactt 180
 attagagaga ctggatttga aataacacag atgaaggaag tagtcctaaa tgaagaagca 240
 gcagaaaaaa ttatttcaaa gataaaagga agagactttt atcaggatgt attgcaaattg 300
 ttgtctgagg gtccatcttt ggtcatgggt ctgactaagt ggaatgctgt ttcggactgg 360
 agacgattga tgggtcccat agaccagat gaggcaaac 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 aggtgggtgaa 60
 gcctcagaaa ggcagcctgg actccaacga gaagagtcag actgaggaga taccctctac 120
 agaccaggac gaagatcacc ttgaagagca ctttgtggcc tcctcagtgg gtgagatgtg 180
 gcaggttgtg gacatggccc agcaagagga tgacaagacg tcagacacag cagctcttcg 240
 tgaccaccta ttgaccttg 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 ttcattctata ancagtgcac gaaggaatag atgttacctc	60
tcctcagttc actagcattt ggcccaagtt gggggaaatg tgcagtattg tagaagtanc	120
cactgtcaca tcatttcatt cgatgtactc cctgtccttc taaaagagac cacaaatagc	180
gtgccatcct aaacttttagt ttgggacaat aaggcaccaa tcgggtgcca tagagccagg	240
gatgtttagt 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 cccagggcgc ccaggcggcc cccctcgtcc ttcctgatct	300
tctgtcaaga ccactatgcc cagctaaaga gggagaacct cacctggtca gtcgtgcagg	360
tggcgaaggc ctcggggagg atgtggtccg tgacgtcagg tgccgagaag cagccgtacg	420
agcaaagagc agctgtcctg agggccaggc 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
aggagagggtg ctgatctcca agcagggtggg ggcattccatt gagccgggag aggggagttt	240
ggaggggtgac tggaaggtag 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 cagattttcta acccaggatc tgatggtggt cagggactac aggcattaac 120
 aatgacaaat tcaggagctc ctccaccagg tgctacaatt gtacagtatg cagcacaatc 180
 agctgatggc acacagcagt tctttgtccc aggcagccag gttgttggtc aagatgagga 240
 aactgaactt gcccgaagtc acatggctgc cgccactggt gacatgcaa cttaccagat 300
 ccga 304

<210> 11410
 <211> 519
 <212> DNA
 <213> Canis familiaris

<400> 11410
 caaatactta gcttcacatt ctggctttga atgtcttcgg aacatccttc ctgaaatacc 60
 agttttataaa caaagacaga ggagagtatg tggtaatggg aaattggaag aaggtgaaca 120
 atgtgattgt ggcactatag agacttgtag gcataaagcc tgctgtgacc ctaggtcgtg 180
 tgtaataaaa actggtaaac aatgtgggtc tggggaatgc tgcacgccag attgcaagct 240
 aagaccagggt ggtataccat gcaggaaatc tttggatgaa tgtgatttca ctgaatactg 300
 caatgggggtt tcctcacact gtgtgcctga cacttatgca cgcaacggac aaagttgtga 360
 atccggtgat gccttttgtt atgagggaca atgtcggaca gctagcaaac agtgtaaaca 420
 attgattggt ggagcttcta gaggtgggtc 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
 ttaggcccc tgcaaacact taaactatgt attatattca aacaacatac gtggaaggac 120
 ttaaattaca tatacatgag gaacttcaat gtatacatcc tagaacacat ccagtatgaa 180
 gttgactttc tcttcagtat gtctgtaaac cagatcttca agaatgactt tgggggtgaa 240

aacctggggca agtctgtagc ccaactccac gcatgggtggt attttggaca tgccaaaaat 300
 ttcccttatg agagaagatc taaatcagca gctttcatcc ctcctggaga gggagatttc 360
 tattaccata gtgcaatttt tgggtggcaca cccggtgagg ttttagcctt cactgaagaa 420
 tatataaaag gaattcaaaa cgacaccaga agaggacttc agagcacata tgaatgttac 480
 ctaaacaat atttgtttat caataaaccc actaagttgt tatcaccaga a 531

<210> 11412
 <211> 546
 <212> DNA
 <213> Canis familiaris

<400> 11412
 gtagcaaatg ctaacgagcc tggatatatt 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
 gcctattggg acaaggaaga tcctaaagag gtgccatatg aaaggaatga gtcatcagaa 300
 gcatatatac ctattgggtat gggagatttt tattaccatg ctgctgtgtt tgggtggcact 360

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cccatccaag tacttgatat tgccagggag tgcttaaaag gaatcatgaa tgacaagaaa   420
aacagcattg aagcagtgtg gcatgatgaa agccacttaa acaagtatTT ctttctccat   480
aaacctacta aactcttata accagaatat tgctgggatt atggtagaat gaatggtctt   540
tattatccaa atatcaaact ctattgggcc gtcaag                               576

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<210> 11414
<211> 326
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

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<400> 11414
cctgctctga gcatccgggc cggatccatc cagcgccatg gccagatacc gatgctgccg   60
cagccaaagc cggagcagat gccgccgccg gagacgcaga tgccgcagac gaaggaggcg   120
atgttgctcg aggcggagaa ggagagtgtg ctgccgccgc tacaccgtgg tgcgctgtag   180
gagaagatga atgaacgcc agactcgcca gccaccgcga ctccgctgcg caaccaccag   240
ccaagacccc cctgccgcct cctgaacatg ccacccgctc gatgaagtga acaggagcct   300
gctaacgaac aatgccgcct gtcaat                               326

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<210> 11415
<211> 175
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

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<400> 11415
ggaaagttat gagcctgcgg tagctgaaat gtccggggcg agagcgggct cccggggagg   60
agggctggcg ggagcgtcga gtcggagccc gggggagctt tgataagcaa atgcagccca   120
gcgntcgggc gctctctatt ggctgttcct tcaccgccag attttgacac aaata       175

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<210> 11416
<211> 403
<212> DNA
<213> Canis familiaris

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<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 agtcatcca 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 gcggttagag 360
 atcatcgaca aggacagcaa gaccacaaa 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 cggaacact ggggcaagtt 120
 tctggctttt tatcagtatg caaaatcatt taattcagat gactttgatt atgaagagct 180
 gaagaatggg gattatgtct tcatgagggtg gaaggaacag ttcctggtcc cagaccacac 240
 gatcaaagac atcagtgggtg 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 ccagtgga gtttttgtga tgaagacagg 240
 atatgtgtaa atcgtgaatg tctagaagca aggatgctta gagctcaatt aaggttttgt 300
 tcagaggggt gcggagaaca cggagtatgc acttccaag 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
 gttgggttga tgtctttgcg aaagtngccg actagacggt ggggctctgg nagnagggna 60
 gnaggggtcc ctatggtggg atgctgggtg tcctgtcatt gggaactgtc ccnttcccgt 120
 atccntactc catcctgggg gcccnnggggc agcgttcaag aagccaggag gcttcagagc 180

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ncccnccagg ctcttcagac tggtnccatg nccagtaaga atctcttttaa gnaaactgna 240
aatgtgtgac cttgaggaag aggtgtactt tcatgaggag agaaaagccc ccatggtcgc 300
tggtggaata ttgaagccag aagagccaga ccatggcatc aagctgcgct gcaaattcca 360
gacattcaca agtcctgggc tgtagaatct ctcccaagtt ttgctttggt tcctatcaat 420
ggtgttaaca gctctgccaa tgttcagcaa ttgtgcgagg aggacaatac tcagagagca 480
aaatcagtac agtattgttt tatttttatg ccatatccag acagaaagat ctctcttatt 540
cattgtaa 548

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<210> 11421
<211> 531
<212> DNA
<213> Canis familiaris

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<400> 11421
ataaatacca ccatcacgca gctgactgcg gagataacaa aaattaaaaa gaacgtactg 60
caggctgaaa aggaagccaa ggactcgaag aatgtgctgg acttagcaaa gcagcagtca 120
gagctggagg atgggctttc ccggctgctg 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

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<210> 11422
<211> 542
<212> DNA
<213> Canis familiaris

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<400> 11422
gatacagccg ccatttctag 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 agcgctggc 300

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cgcaaggcca ccactgaaga tggcgcatca tggcgagatg atctatgtcg tcttatgacc	360
ctgagaatat ctggttccca aacagaaatg tcagaggctc taaacatgga actagtgacc	420
atggctcagg aggtactggc agataagcgg cccagttggg aactttttca 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 cttcagtgc	300
tgcaggaata tgataggaga gagaatggca gtaaacaatca tgttgtgtggg acaaccttta	360
agcatcatat ctaaaaccaa gccagaagtt tcagctgctc cagctgtctg tgggtggagg	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
aggatatggat 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 ctctttcggt tctggtcctt tttcctcaga gatcacttca ataaaaaaat 60
gtatgaggaa tttagacaac ttgcttgga agatgcaaaa gaaaattaca ggtatggatt 120
agaatgtctg ttcaggtttt atagttatgg actggaaaaa aaattcagac aagaaatTT 180
taaagatTTc caagaagaaa ccaaaaaaga ctacgaatct ggtcagctgt atggattaga 240
aaagTTTTgg gcttaccta aatatttca atctaagaca cagtctattg acccaaaact 300
tcaggaatac ctctgtagct ttaagagggt agaagacttc cgcattgatc ccccgattag 360
tgaggaatTT ggaagaaaaa gacattcatc tacttctggt gaggacagta gtcgtcatag 420
acttccatct aattcctctg caaagccacc aaatgctgct aagcctacat ctgctaata 480
gcttcagggtc cctgatcaa tagagaat 508

<210> 11427
<211> 280
<212> DNA
<213> Canis familiaris

<400> 11427
ataaccgatg aaaatcctgt gcttgagcat caagagtcaa tgtcaaaaac ccaactgcaa 60
gtaaagaaac aaaaaattgc taacaggga agactcacta ttcagtatga agtaccagat 120
gaaaatcatg tgcttgagca tcaagactca atgtcaaaaac cagagattca agtgaagaaa 180
caaataattc aaaagaggga aagacttggt attcatgatt atgtaccaga caaaaatctt 240
atgcttaagc atcaagattc agtgtcaaaa cttaaattgc 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 aggcattgtct 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 tgggtgtagc cccactcctg ttccagaagg tcttactgaa cctgagctcg 420
 aaccaga 427

<210> 11429
 <211> 462
 <212> DNA
 <213> Canis familiaris

<400> 11429
 aaagcaaaac ctccaattac ctcatctctc tggacccac agacctgtct cgggatggga 60
 acaactttgt gggcaaagtc agatctaattg tcttgggcac taagttcacc atctttgaca 120
 atgggggtgaa tcctgaaagg aagaatttcg tcccggagac cgctcgcatac agagaggagc 180
 tgggggctgt gtgttatgag cccaacatct tgggattccg aggaccacgg aaaatgaatg 240
 tgatcattcc agaaatcgat gccagaacc agagaatcag tgtccagcca caaacgggc 300

tggagtcact actgagtcgc ttccaacggg gggccaccca gaggtcatc ctgctgcaaa	360
acaaaacccc cttgtggagc caggagaacg gcacctacgt actcaatttt cacggctcgag	420
tcactcaggc ctcgggtcaag aacttccaga tcgtgtatcc gg	462

<210> 11430
 <211> 569
 <212> DNA
 <213> Canis familiaris

<400> 11430	
gtgggaactt tgattgcccc tcagtgggtg ttgacggcag cacactgctt tttaccagat	60
cttcagatca tcttttatgg cagcttcacg aatcttcgag actttactgg ggagatccta	120
cgttatgaga ggatcttcac ccacccaaac ttcactgcta cctctcctaa agatgacctc	180
atgttgataa agctggctat accttttacc ttcacttcca caaggcattt acagtggcct	240
actttcaaga atgcagttaa agattgcttg attcacactt ggtagagaa taaatacttt	300
attggaaatt caaacaataa tctgcaaagc atcacaattc aaatgagctc taatataaac	360
tgcaaaaaat tattgggtga aaaactccta gaagacatgt tttgtatagg acccacacta	420
ggaagtcaag aaccctgccg 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 ggggtgctagc 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 caggaaactcc ttatgtgtta	420
aatttgtgaa agtcttcagc cgaatttttg gggagggtggc cgtcgctacc gtcacttgca	480
aaaaca	486

<210> 11432
 <211> 507
 <212> DNA
 <213> Canis familiaris

<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> (115)..(115)
 <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>
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 <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
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 tcgaacacca gcacaccag ctcccagca tgggccagca gcagctcaaa gtcncttgc 120
 gacaggaact gggtatacag gacacctgca gtccgcaggg caggggcagc ggagggccag 180
 cgtagagaga aaagccaaga acgtgaggcc ccngcgtggc agcctcgggg caggggtctg 240
 cgcttgccag ccacctccat ttcaaagcta atcctctatg cttgtctgtt ccaaagctca 300
 tcntaacag tagttgatcc agccacattc agtaaggcaa tataacacgg gtgggtaaga 360
 aaacccta atgtcacca 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 tggatgaactt 120
 ggatggtgac gtaattggca taaatacact gaaggatgaca gcgggaatct ccttcgccat 180
 tccctccgat cgaattcgac agtttctggc agaattccac gagcggcagt tgaaaggaaa 240
 ggctctttca cagaagaagt atctcgggtct gcggatgctg cctctcacta tgaaccttct 300
 tcaagagatg aaaaggcaag atccagatct 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
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 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 actttttgtt 300
 ttatcattaa cccacggggc ttctctttct tatgtttgca tattcaagta tcgggtgata 360
 ggattccatg ttctcggacc caatgccggt gaggttacct aggggtttgc tgccgcaatg 420
 aaatgtgggc tcacaaagca gctacttgat gataccattg gaattcatcc cacctgtggt 480
 gaggtgttta cgactctgga gatcaciaag tcgtcgggac tagacatcac tcagaagggc 540
 tgctgaggct agcactgctg ctgtctgggt ttcttgtca tttctgctc tcagggacaa 600

<210> 11435
 <211> 505

<212> DNA
 <213> Canis familiaris

<400> 11435
 aatattggcca gcctattcag atgaggtaca tggaacatga agagagacca aaagctttaa 60
 acgacttggg aaaaaagatt cagcttggtt tgaaagtgat agaagcatac agaaacaagg 120
 atgaaagata cgatcatctg gatcctgctg atgtggaaaa agttgaaaaa tacattagtg 180
 aagccatgag ttggctgaac agtaagatga atgcacagaa caaactaagt ctactcaag 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>
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 <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 gcctgtttctg tggacnccat gtggtacctg gtgggnctgg tgagctgggg 240

ccctggctgc tcgaagagtg aggccccacc catctacctg caggtcacct cctaccagcg 300

ctggatctgg gaacgtgtca gtgggcagga ccttccccgcc ccatccaggg ccctgctcct 360

gggtgctatca ctgccccttg gcctgctctc ggccctnctg acactctcat ggtgtccctg 420

gggttgctgt cctcaccctc tgtgtcagg atcctgcagg tgttgctc 468

<210> 11437

<211> 212

<212> DNA

<213> Canis familiaris

<400> 11437

gagacattcc tatgaacttt tcaagatgag tggtttatcc tctccaatct gtcctgaca 60

gagcagtctt ctgagccatt caatttcaaa ttgcaccaat tatgtgcaga gccttggtgt 120

aaagtgtctt ctactcatt 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 acccaaattgg caaaggctgc 60

cacctaaaaa tgtttactac taccggtgcc cagaccatag gaagaattat gtgatgtcct 120
 ttgcattttg ttttgaccga gaggaagata tttaaccaatt 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
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 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
 catttg gatg 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 gcccaccac tgatttcccc tcttcccctc ctttctgact 60
 tccacagctc ccctctccat atccttacag agccctaaca ttatcttcat accactcaca 120

tcaaagacat gtcattttat gctagtcact ggatttttca gatttttcctg tccatg 176

<210> 11442
 <211> 411
 <212> DNA
 <213> Canis familiaris

<400> 11442
 aggttctgccc tccaacagat ctgggggatga aggctgccgg catcttggcc ctgattggct 60
 gtctgatcat ggtcactgag cccaaaatct acactcgctg taaactggca aaaatatttt 120
 tgagggctgg cctggacaat taccaggggt ttagccttgg aaactggatc tgcattggcat 180
 actatgagag ccgctacaat acaacagctg agaccagct 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 actttggttag 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 tgcttgggtga tgtccgaaca 120
 cttgtgaatg gattcgccaa gaacccttta caaaccagaa gagaaggatt gtatttcaag 180
 gaaaaggatt acaaattgtat ccgggcagat gactattctc tttatgctaa gaatgaaaaa 240
 actggtgtgg tggttgtgaa gaccatcta tatcttctgg tggcaactta caccgaaggc 300
 atgtatccta gtgtttgtgt ggaagccac 329

<210> 11445
 <211> 89
 <212> DNA
 <213> Canis familiaris

<400> 11445
 acagggcgcca 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
 aaagggttgcc tgctgtccac ttcttgccgc 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 tttttttgcc 120
 ataatgagtg 130

<210> 11448
 <211> 504
 <212> DNA
 <213> Canis familiaris

<400> 11448
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 ttgaatgaaa cccaaaagca agaaattaaa gaggcctttg atttattcga tgttgatggg 120
 tctggaacca tagatgtgaa agaattgaag attgcaatgc aagccttagg atttgaacca 180
 aagaaagaag aaattaaaaa aatgatagct gaaatcgaca aagaaggaat tggcaccatt 240
 acttttgaag atttttttgc cataatgagt gtaaaaatgg tatatgaaaa aaatgaaaaa 300
 gaagaaatat tgaaggcttt caaattatatt gatgatgatg atactggaag cataacacta 360
 agcaatatca agaggggttg 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
 gggctctgttg 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 ctcttggtt tcttcagctg cctgaccttc 120
 ctcgccctgg atgccacga gagccgcac gccagcacc gcttcaagac ggccttccag 180
 ctcttggtact tcctcctggc tgtcctgtgg ataggcatct ggttcgtggg cttctgcttc 240
 ctggccaacc agtggcagca ttcaccaccc aaagggttcc tcctgggaag cagcagtgcc 300
 aaggccgcca tcaccttcgc tttcttctcc atcctcacct gggtaggat aggctacctg 360
 gccctccagg acctccgga tgatactcca gtcccttaca agcgctccct ggatgagggt 420
 ggcgtgggtgc tgaccaccct ctccccgcc tctgccacca gccctgtgaa cacaccacc 480
 actggcccca acaacctgag ttatgccggt tctgcttcgt cccctatct gaccactccg 540
 aaggccccc 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 tcccttgta ctggtgggga 360
 aactgaggca tacagatgta acttgcccaa aggtacctct catggctctg gaa 413

<210> 11455
 <211> 512
 <212> DNA
 <213> Canis familiaris

<220>
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 <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
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 aaaagcttct annatcccaa tgtctggctg cagccttata tggctttcaa ccaaagaga 120
 cctgtactgg acatattaat tctgtgctca cttcnctga tccctgccct tgtccgttaa 180
 ggaaatacca tgctcacagt cttcctgcca aggtgnccaa atgtggtgcc atcagtttca 240
 ctgatccaag aggtgttagn cttggcaagt tggaatagc 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 tcctgggggag aggggcacaa tgatttcaca caaccttggt ccagggtggtt 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
 ctattctttt aacaggatta caagtgaagt ggcttcatcc tcagaccttt attttgcttt 180
 gaggtactgt tgtttgacat tttgcttttt gtgcactgtg atcctgggga agggtagtct 240
 tttgtcttca gcttagtagt ttactgacct 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 ggcataatgca cagattttta 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 cagtgaagaa atttgggtac caccgttaca agttcgttat aaaagtatta 360
tttattcaaa agactgggtca ggcaataaat atcgccagca gatggatctg ggatgttgca 420
tgggacagct ggggttggggc aaaacatgaa acggaaacgt atgttgcctt ggccctggtg 480
tttgctctct attgtgaata gctcattaca tgtac 515

<210> 11461
<211> 588
<212> DNA
<213> Canis familiaris

<400> 11461
gttttagcttc tagaagtcgc tggaaagagc aatacaagga acgggtggaa aattattcta 60
atgtaagtat tcaattgaag aatcctgaaa actgttcctg ccaagcttgt ggattgcac 120
gccactgcag atactcagtg catttatcag gaaagttgta taacaccagg accatggaaa 180
tagatgattt catgtcacat gataaacagg tgtttactgt tggcagaatt tgtgctaata 240
gcaccagaat ttatcataaa ctgaaacatt ttaagttcaa gctgtaccag gaatgttgct 300
ccattgcaaa gacagaagaa gttgaggatg aacagggttaa ggaaacagtg gaaagaattt 360
tcaatcagtc aaaggaaagt ggctggatta aggagaaata tgggtcaactt caagaatatc 420
taaatttggc ggattacttt caagatgaga agtttgactg aattgtaaca catttccttc 480
agagaagatt ttataaattc ctgtaaatgt gaagatcatg agtcttgttt ctctgtatca 540

tgtgacgtat ttatatatatt tatgtgtact ttcattggcaa 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
 ctctaagggtc aaaatcttgt ggagcgaaca atcatatgtt atacccttac aaaactatct 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
 gagtgggtcaa cagtgttcct attacaaagc aaagttcttc acgaagtggg aaaagtaaga 60
 agttgtcagg aacacctccc tctccaaca gcgttaatga agagctatca gaagtcttac 120
 agactttaca agatgaatct gggcaaatga gctttgatca ccagcagctt gcgaaactta 180
 tccaagaatc cccaactgtt gaactgaagg acaacttaga gtgtgaactg gaggcattag 240
 tggggaggat ggaggccaaa gccaaccaaa taactaaagt tcggaaatac caagcccagc 300
 tggagaaaaca gaagatagag aagcaaaaaga 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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 agttttttcca atatggatgg agatgtacca ctaatgagaa ttcctattca aatcataccc 120
 tgatgggaaa ctggaaccag gaaagatatg acctgaggaa tatcgtgcag cccaaaccct 180
 tgcctttcca gtttggacac tattttgaaa caacgtatga catgagctat aacaacaaaa 240
 ggccactttc aactcatagg ttttaagagag agcctcactg gtttccagga catcagcctg 300
 agctggatcc tcctcgatac aaantcacag aaaagtcaac ttatatggct agctactca 359

<210> 11466
 <211> 520
 <212> DNA
 <213> Canis familiaris

<400> 11466
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 ggctgcgaca gctgccccct cgacgcgggc tacaccttcc ggaaccccga ggacatcttc 120
 cgtgagtttt tcggcggcct ggaccctttc tcgttcgatt tctgggatgc gcccttcaac 180
 agcgaccgcg cgggcccggg ccctgggctg cggggcgcct tctcggcggg cttcggggag 240
 ttcccggcct tcatggaggc cttctcggcc ttcgacgcc tgggccgggc cggcggtgcc 300
 agccgcacca ctttctcgtc cacctccttc gggggctccg gcgccggcag ctcagggttc 360
 aagtcagtga tgtcgtccac cgagatggtc aacggacaca aggtcaccac caagcgcadc 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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 cgctccnctc gaaggtgctg tatcgactg tcttgctctg ggccaccgag agcaccacagc 120
 agaggctgaa gagctgtaaa gggaaaactg tcacggtacc tggggctggg aactaacagg 180
 acacagccag aaggctgata tgggtgcggt gggcttcctc ctcatagggtg 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 aaggggccac atcctgggtt ggcctgtgaa 180
 agagcttagg gtcctcgtct gggttttggt gatgttgag 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 gctaattggct 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
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 agctttgaaa acctgcaatg gtttccgaag aaaatctagg atgacaagtt tttctcatct 120
 agtgaataaa caggggaataa aggctatcaa agaagaggaa ttgcatgcag aagtctgcta 180
 tgctgagtgc ttgattctga aatccactgt aangtttata caagacgaca gtatgtttgc 240
 tttccttaaa agtgcaatca acatcggggtt 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>
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<222> (119)..(119)
<223> n is a, c, g, or t

<220>
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<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
 ctctactca gcttgncaag ncnccgcaaa aggctccgac tcaacctgca aagccncaga 240
 aaaaagctcc gactcagcct gcaaagccac agcaaaagcc ttcagctcag ttttcaaat 300
 cacagcaaca gctttcagct cagacttcaa aatcacagca acagctttca gctcagtctt 360
 caaaatcaca gcaaaagctt tcagctcagc ctttaaaatc acagcaaaag ctttcagctc 420
 agccttcaaa atcacagcaa aagctttcag ctccagccttc 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 cgcctacta ccccgatctg cccaccccag aacagcagcg agacatgacc 180
 cagttcatac atttattttc caagttttnc ccgtgcgagg agtgtncga 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 atcattttcca aggggtgtgcc 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

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 <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
tttcttgagc ttctctntat cctgggaaga gatgttttat gcacaaaaat gtcaccgctt	180
cctgactgac atcatcctgg attccatcag gcaaaaggac cccaaagcca tgacagccaa	240
ggtggtctcc ctgaccaacc agctgtggac cctgcacatc agccccaagc agtttgtggt	300
ggatttgctg gccatcaccg gcttcaagga tganccggca caccaggaa 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 agaattgtgtg tgcccatctg	180
aaggtgtgtc agtctatctt 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 aagcgctcgg	180

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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

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<210> 11477
<211> 397
<212> DNA
<213> Canis familiaris

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<220>
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<223> n is a, c, g, or t

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<220>
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<222> (51)..(51)
<223> n is a, c, g, or t

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<220>
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<222> (60)..(60)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

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<400> 11477
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cccctcctgg gtcctcaann gcagccgccg aggccatgag cacctgttca tggggcgagg 120
accctggccc tttcccacgg ccatctcctt gtcccggcct gtcaggtctt ccccgggtgc 180
agtctgcttg ggggtgaaac ctttaacctc cgagatgacc tgtgttcaca agagcagatg 240
cccaggacca cagggacgtg gtctccacga gagacgcccc ctctagcagc cggctcgtgc 300
ggggctgtga gggcgaggg cctgacgcg agagctcaca gcctaacgaa cccttcattc 360
gagattccca ctgtcctgcg acataagcat cacgtga 397

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<210> 11478
 <211> 391
 <212> DNA
 <213> Canis familiaris

<400> 11478
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 gcatacatct attaacaac 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 tgttcccgt gtctcccca gatatagtct tcccagctc 360
 tttggctgca cagcattatc tcctggagga a 391

<210> 11479
 <211> 530
 <212> DNA
 <213> Canis familiaris

<400> 11479
 tacagaggt ccttcgcagc tatgtgcctc aagatatcag ggatagaaat cgggttcgag 60
 tcacctcatg ggatggcagg aagtggggag aactggaggg agacacctat gaccgggtgc 120
 tgggtggatgt gccctgtacc acagaccgcc atttctttcg tgaggaggag aacaacatct 180
 ttcagcggtc gaggaagaag gaacggcaga tgttgcttat gcttcagggtg cagctgctcg 240
 cggctggact cctcgccacc aaaccaggag gccacattgt ctattccact tgttactgt 300
 cacacttaca gaacgagtat gtggtgcaag gcaccataga gttcctggcc aatcaataca 360
 gcatcaaggt tcaggtggaa gacctgactc acttccgaaa gcttttcatg gacacatttt 420
 ctttcttccc atcctgccag gttggggagc tggttaattcc 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

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catgggaata cagagtga aa aattttgt aaacacaaat gcagncgatg tcattatggg	120
agtggctaaa aagcctaaac caatttatgt tgacaaaaga actggagaca agcatgatct	180
tgaaacctca ggactagttc ccaatacat caataaaaag gattatggtg tcacacctga	240
atatatatgt aagcgaaatg aggaagtaaa gaaagcccaa gaagaatatg ataattatat	300
ccaggaaaac cttcggaag 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
atgaaaat ttcgcgagaa aatagaagac ttcaggagg 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 gaagtccttc 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 cctacagggt ggtgcgcac	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

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 <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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 gtggcagggc cagctctcca nccaggactt aaacaccgtt ctggaanccg ccaacggcgg 180
 caggcagctg caggtcttcc nagccagcca tctacaagtg cttcgtgcag caggagctca 240
 tggctcgggt caaccccagg ccctttcccg acgtgccgga ggccctcagg gaggaggagg 300
 caggccggca gcagggggcg agggaggcct cgaaggggaa ggccgggcct gtcctcaagg 360
 ggctgaagtt gacgctgctg gtgggcatag tcctggggct gctggggctg ctgctcaagt 420
 tcttccacca ttcccagggc aaaagaagtg accagggtgct 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
 gtaatttttag 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>
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 <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>
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 <222> (116)..(116)
 <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> (336)..(336)
 <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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 <223> n is a, c, g, or t

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 <222> (429)..(430)
 <223> n is a, c, g, or t

<400> 11486
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 tccgagagct tctgggtgag cgagcancn gggccggtgt gagtgtctgca 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 aaaaggggaag aaaagngcag caagaagagg ccaattaggg 360
 atgcccgggt agctcagcan ttgagcatct gntccggct cagggagtga tcacagggtc 420
 ctgagatcnn gtcttcgatt gggctcctca cgcaagagc 459

<210> 11487
 <211> 409
 <212> DNA
 <213> Canis familiaris

<400> 11487
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 tctacttctg cctatgagga agaagcagta agcagtttgg agatgccatc tctgcctgag 120
 tatagatata aaagggccaa cttgccacct gataagacaa gagaattttc ctcatcacia 180
 gatataatc agtatattca tgaaatttca gaatttcaga agaaaagtac aaacaaaatt 240
 aaaaccttaa gcaatatgtt ttgggggaat catccccaaa gaaaacgcag aggatattca 300
 gaaaagtgtt gtcttacagg atgtacagta gaagaactga gtattgcatg cttcccatat 360
 actgaatata 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
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 aagcacatct ttcattgtccg atcgctccac cttgggtcacg tggctaaaag cttcgggctg 120
 agagatgccc cccaaaagct tagtgtcaca gctgtgaaga gaaggaaagc aaacctgaac 180
 aggccctgacc ttcataagaa gagccacagt acacaccacc gccttgctga aatcttgcgt 240
 tccgaatact caagtgggat ggaggccggc atcgccaagg tcgaaaagc 289

<210> 11489
 <211> 558
 <212> DNA
 <213> Canis familiaris

<220>
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 <222> (26)..(26)
 <223> n is a, c, g, or t

<220>
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 <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

<400> 11489
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 ctgctacnaa nctgacattc gttgaatacc tactgtgtgt cccctttgga aatacgacag 120
 tctcaaaaca gcagcactat gagtcagcag cagaaagcaa gccaagatga tcccttttaa 180
 aacgactgga aattcttcac attttaatgt tactatttag ctgtaaatgg gtggtgcatg 240
 tactagacca aaattacagt cgttccgatt tgagggcctg ttctaaggct agttaatgcg 300
 cggcgggtgga gaacagtcac atccctcgct accaagacga tggagcagcc ctggcctctg 360
 cagctgttta taatccttaa gtcatgactc ctccacctgt ctgggtaaat ctatccctgc 420
 aacaaatgca gacaacactt ggagcgctca agaattggctg tttacaagat tctagtagga 480
 aagttttgag caaatcagag tgtaggcctt cccatgtcat tcatgtttcc tcaaggcaga 540

cctttttcaa tatttcca

558

<210> 11490
 <211> 414
 <212> DNA
 <213> Canis familiaris

<220>
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 <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
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 gccaccactg cagctcatgc caccctgca gctcatacca cccctgcagt tccagccacc 120
 cctgcagctc atgccacccc tgcagctccc accaccctg cagctcatgc caccctgca 180
 gctncngcc acccctgcag ttctgccac catgaccaat gctgttcaaa gcaccactcg 240
 agctggcttc ttcagctcga ttggaaaat agtgggttga aatattacta agatggaatt 300
 agaggcatct gcatttgatc ttgcagggt cagcacaagg cccatccatt tgatttaatc 360
 tagctgctta tcaagtctac catctttatc ttatccttaa tcagtttatt gggt 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
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 tcgaggacat ctgtacaac 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
 gaatgccccca ttgaggccac cgcttaatat ttcccctttg tcttcccctt cttccgttta 420
 ctgattgata a 431

<210> 11492

<211> 79

<212> DNA

<213> Canis familiaris

<400> 11492

tgcagaaagg cgtgttttccg 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

gtaccacga 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>
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 <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
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 aatgtcgagt gatgatanca ataaatctag tgaacccaag aatgagccca agaattgtga 120
 tcccagatgt gaacaaaagt gtgaagccaa atgccanncc agctgtttta agaagctgct 180

gcaaaggtgc tctgaaaagt acccagcaga aaangtgncc agcaccaccn aaagtgccca 240
 nccgtgcccc ccaccatgcc cttctccatg cccgacttcc tgcccccca 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
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 tctctgcctg gctcgggttt cctgggactt atcccttaaa gacaactgca tttatcctaa 120
 gccctcagag gacactgggc agtagcctca caagcaaacc ncnnncagag agcaaccact 180
 atagatgctt gctctcagga ggttcatgcc aaagaccac 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 taccctccag 120

tttgtctaga tacttctatt tccaaatttc tgggtcaatt 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
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 tgtcagaggg gtacaggatc ccnctgcaac nccatccnag ggagaattga gcccagtgag 120
 aaattcagag nccccncca 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
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 aaatcctgtg catccacgac accttcctga agctctgtcc ccctgggaag tactacaagg 120
 aggcaacact gaccacagac caggctcagct ccctgccagc cctgaggggc aacccttttc 180
 gagaccgaat ctgcaaagtg ttctcccaca acaatgtgtt ctcttttgag 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

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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 agagcagtg	300
tttatatctc tgtcatgagg atagtatcag atatgtcaag cacctgaaga tagatgaaga	360
agacaactca tgtatggaat ttggggcctc tgatatgaaa tactttactat atgaggatga	420
acaggatttc aaggattatg taaacctggg tcccctgcaa gtgaagctca tgagtgtggc	480
gagcaagaaa atgccaattc attttcaaga aaaagaaatt ccagtcaa	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

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cttcaagcag tgatagtggg gggagcagca gcagcagcag cagcagcatc nacagcccgg	120
acagggcagg cgggcnagag agcagcttga accacacggc tgctnggtcc ggccctcaca	180

cccctcagcc tgttcccagag 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 tacatttggt cactccaagg gagacagcct gcagtgagct 60
gctttctgca tcacagtccc ataatcaaag cctcacctct ctagctgtca gattttttca 120
agaagagaaa gcagaagcct gcagtcctaa ccaagtcctc aatgtgaagg cattaacaga 180
gaacagtgaa cgagcttcta tgcagcacag atctggctgt gggccccaag tatcacacca 240
tgggtgccag cagaccttac attcagtcct gcctcacgcc tcctccagcc ccttcagtca 300
gatgggcgtt gttgatagga agaccctttc aagcaccttg gggctggagt ggtttccaga 360
gctctatcct ggttatcttg gacta 385

<210> 11505
<211> 246
<212> DNA
<213> Canis familiaris

<400> 11505
ctgttgagc agaggaaggc ctactgggtg cagacagagg agaagatagg ccccggggag 60
gaaaacaaga cagccccctt gcctcatgag gaggcccatg tgcctgggct gctgccagac 120
cagagcacag gcctctctc accttttgag gagtccaagg ggccgtcgac cccccaggag 180
gactccaaga cactccgggt cctacgccag atggtcggta acctgtcttg 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
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 tccttacata cagaaaatgt aaagcttcaa ttgacatag aagcagccca ggaacacttt 120
 gaggaatata tgataaaata taatgaatat tatacaaaaa tnaaagcgca taaagatagt 180
 ttggtggagg tagaaagcaa atgggtcactg 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 atttgaa 577

<210> 11507
 <211> 326
 <212> DNA
 <213> Canis familiaris

<400> 11507
 ttatccaacg caaggccatc tcaggctatg ctggcttcgt ccctcagttt gcctgggtga 60
 tgggggtcaa ttaccgag ggtgtcacac aggctatgga tgaatttgac aagaaccagt 120
 tcctcttcag aaaccccatc tgtgccctgg gtgaaaggct gccagaaca cactggccca 180
 gcaacaccat ctatagcagc caaggcctga tccctttcta catgggggtc ataccatcca 240
 tgcaagacaa ctacgcaatg acatttgga acagtacccg cagggcctat cagaaggaaa 300
 tggagaggca acaccagaca ctatga 326

<210> 11508
 <211> 247
 <212> DNA
 <213> Canis familiaris

<400> 11508

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tggctagttc tgacgtgaaa ccaaaatcaa taagtcgtgc caaaaaatgg tcagaagaga      60
tagaaaatct gtacagattt cagcaagcag gatatcgga tgaaattgaa tataaacaag      120
tgaaacaagt ttctatggta gatcgttggc cagagacagg atacgtgaag aaactccaga      180
gaagggacaa tactttctat tactacaaca aacagagaga gtgtgacgac aaggaagtcc      240
acaaagt                                           247

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<210> 11509
<211> 417
<212> DNA
<213> Canis familiaris

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<220>
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<222> (44)..(44)
<223> n is a, c, g, or t

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<220>
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<222> (82)..(82)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

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<220>
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 <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
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 cctggcatta aagcagaacc anatgagagc antgccggtt attttcatgt ggtcattgct 120
 ggccccagn gttccccctt tgaggaggagg acttttaaac nggaactatt ccttccagaa 180
 gnanaccga tggcagcccc naaagtagt ttcattgacca aaatttatca tcctaattgta 240
 gacaagttgg gaagaatatg tttagatatt ttgaangata agtggtcccc agcactgcag 300
 atctgcacag ttctgctatc gatccaggct ttgttaagt ctccaatcc agatgatccg 360
 ttagcaaag 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 cttgccctc 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
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 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 cctggggttg 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
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 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 ttacatcag gaataaatcc cactgacat 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
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 cagacncttn ttttagtctt tcttttcagg aaaaaaaaaa ctttcaagtt acctggtctt 120
 tggatttaga gtaaaaaaga ggggcatggt acgtatcaga ttttaagagac taataccatt 180
 agaagttacc aagttttaat agttggagaa agttttgggt tgtacagaga aaaataatat 240
 gcagcagctt tgctgctggt 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 ttacgggtcat cagtgaagttt caaatgggat tcaaccttat 60
 catgtaacca gaaccttgta ggtagtggt 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
 gaatcccaa atctcggagc ctggatttgc agaatctttg atcttgcctc cgccctctga 60
 gccctgctg cccctttctg ggggggtaca 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 cgggggacac ttagccagag aggaggtgaa 180
 gaaaatgaag tcaggtgatg ctgaaggaga gaaaagagag ggaaatgagt gagaagactg 240
 gttttactcc cccgctcccc agaaaaacat gaaaaaatca tccagatcca tcagcctcgc 300
 tgtgattgtt gtttttttct tagtaaggga gatgtgatgt agtgaaataa catttgttgc 360

tggtgtgaaa atctgtcatg agcatttggt 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 agagttatnt atcaacgtta ctacttcagt 120
 atttcnactt ctatnttata cagtaatatt cttaaactag ctaaaacttc aaatgtatac 180
 cttat 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 gtgacagggat 60
 tgagtcctgt ccccagggcn aaaaatgctg tagcaccggc tgtgggcacg cctgccgtgg 120
 agacattaag ggcgggggtgg tgattgtcca aacatnttgg tgggcctgtg cattgttggc 180
 tgcattatgg 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 ttgcatgtct 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 gactttctat aactgagaag tctggcttct gtcac 105

<210> 11522
 <211> 268
 <212> DNA
 <213> Canis familiaris

<400> 11522
 aagggccatt cccatcagat gttgagcagc aggctaattg 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 aggcctgggt ctacaaggcc aacagaggcc gtagctatgg 120
 actctatgnc cattgtctag agctgctggg ggcacaattt gtgaaatgaa acaggatggt 180
 gctacttgga agaaggaaac ggaagccaac ataatgggga ttaattagtt gattgatggt 240
 gagatggtaa cagatttgcc ccataccat ttagccagcc atctcagacc tagcagggaa 300
 ggtgaggatg aagaagcctt tgttcaggct tgtagatgcg tggggctgaa ggctttgcc 360
 ccatgggatg tcaacagcca taataataat aatttgcaat 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 tatgcggttag gtggctttga tggagcaa atcgacttagga gtgcagaagc 120
 ctacagccca gtggctaata cttggcgcac aatccccact atgtttaatc ctcgtagcaa 180
 ttttggcatc gaggtggttag acgacctctt gtttgtggtg ggcggcttta atggcttcac 240
 taccaccttt aacgtggagt gctatgacga aaagacggac gagtgggatg acgccccatga 300
 catgagcatc taccgcagcg ctctgagctg ctgtgtggtg ccagggtg ccaacgtcgg 360
 ggaatatgca gctagacggg acaacttcac aggattagca ctgagagatg 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

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<400> 11526
aggcggagcc acacaccctg aggagcggcg agctttagaa aactaatatg gaaggaatgg      60

tcagttatct tgcttgttgg tgcttgctca ggagctaagc agtgaaaatc ctttcatacct      120

tgtatactaa gaatgtcttt gtgcaggatc tacaggataa atctctaaaa attggattgc      180

tggggtcaaag gaaaagcata cttaaaattg taaaatgcgt ttncaaattc ccattcaaaa      240

gactattcta atccacactg ctaccagcca tttttctacc cccttaccaa cagtgaattc      300

tacgaatctc taactttggg tgacctgata gataaaaaaa tgggtgtctct ttatcttgat      360

tttg                                             364

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<210> 11527
<211> 546
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

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<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 cgggggtncg aacgggagtt caaggtnntg ctncagatga gagagccnaa 120
 ctccgagggc aaggttgaga tcctcatcat ggggagggcg cggtaccgga agcgtgccaa 180
 aaggctgatt cgcattcttg cggcgaagcc ccgagggaaa cgctatggag gcacaatgat 240
 gttcagccta gaaacatga agtcttttga aagagaaaat gttcattctg atgatttcct 300
 ctccaccgcn atgatgagta gcctggatga agccatgcag tccctggaaa taggtcagga 360
 gactgtccag gaacctgtta ccaaaacagt gtaatttttg tgattaggaa cccagtgcag 420
 ggggnacggt ttgggtcagg agccttacct tcagaggccc ggtctgaact ctgcctttgt 480
 tcctgtggct aangagaaaac aagtattgtn ggtggtctat ccaccttcct cttcataga 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
 ctaccagtt tagcaaaaca cctgtttcgg gcaacaatac atctcaaaag 170

<210> 11529
 <211> 129
 <212> DNA
 <213> Canis familiaris

<400> 11529
 ggaaaatgct atacaggagt cttttgtggt ttgggggtgga 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
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 attgttttcga tttcatcata tttatgatcc atatccttgc 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 ttgttttaaat 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 ctcatatac 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
tggaactat gaccagaaaa agaatatattt caaatgtgtt tctgtcagac nagcgtctgt	360
ttctgaacaa aaatctt	377

<210> 11533

<211> 318

<212> DNA

<213> Canis familiaris

<400> 11533

tcatggcaga agttttagg gcaattaaac aactggatta tgaatggaag gttgtaaacc	60
cttattatatt 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 ctttccatgt	120
ggaacaacag gaagcccggg aaggagaaga attcgaacaa cggaagtac ctcgtcagag	180

aactcctgtc tacgtgcccc cggaagtga agagctgaca gacaatgtta tggtttccaa 240
gccagcgc 248

<210> 11536
<211> 226
<212> DNA
<213> Canis familiaris

<400> 11536
agggttctag ggtgcctcta agttgaattt tgttcccctc atcttcaaatt attgttatga 60
ttcttgaatt gactgggtttt gaacctaaagt taaccatcct tttcggatgc tgacaaaaga 120
gtcttgtata ccattctttc acaatccctg tttctgactc ttaagaaaac taggccgccc 180
tttgaacat ttgatgaatt tgaatgtctg ttatttatctt 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
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 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
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 tctgaagcct gtgggcagga aatcnccact aagcagatgt tgcctatcgt gttgaaaatg 120
 gcaggagncc aagtagcgaa tgtccgtttc aatgtggcca aatctcttca gaaaattgga 180

ccaattctag atactgatnc tctgcaggag gaagtgaagc cagtgtctaca gaagttaggt 240
 caagatgagg acatggatgt caaatacttt gcacaggaag ccataag 287

<210> 11540
 <211> 271
 <212> DNA
 <213> Canis familiaris

<400> 11540
 atctcggagt tcgacgcaa 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

agtcctaataat gcagatgccca tggccccctg aagaagaaga aacgataaga acgtgtgtgtgg 60

aatccaatcc aaaggttggc ganttaggcc tcctatccca ttagaggncg gtntttnaaa 120

ctaaaaactg agaactgctc gaaggcaaaa aacaaaactg aagcggcttc agacagtgcg 180

gccaaagctag 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

ctaggttagga ctgctgggaa cccccacct cacagatgaa gacaccgcag tctgacgaga 120

atcaactata gtacatcaca ggggccgaaa cacaccctct ccggatccaa tacacacctg 180

agaagcaaac caccacacac ttcacagtaa ctacgtccgc 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
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 ctctgcgccc tcattctatct tgctcatatt tcattatttg gcgaaattgt actctcctac 120
 taggctatga gctcctcaag atttttcatt ttttaatttcc cagtgcacaag gacagtgcac 180
 atagaatgtt aaataaatat ctggcatgtg ggttttttag tgnnnnnnnn ctgtctttgg 240
 attgtgtcca gttcatcatt tttggtaatg gtgtggatga attttagagg tgacatgagg 300
 tcgaaaaaca gaactacatt ggaagaatgt acttgaaaat gtattggtag cttggaacaa 360
 agggccaaat tcaacaagat gatggaataa gagaataaaa tcctgtatgt gggcctccag 420
 aataactaca aag 433

<210> 11545
 <211> 317
 <212> DNA
 <213> Canis familiaris

<400> 11545
 gactgagaac agcttccgtg aagaaaaaaaa cttttttgcc 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 caggagggt aagtgatgta gtagagtctt 300
 cttttactgg tattcaa 317

<210> 11546
 <211> 161
 <212> DNA

<213> Canis familiaris

<400> 11546

agggctctca ggaacagaat tgtgaaatgg accaccagca ctatgccagg gaattgctga 60

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 tatggcggtc accaattgat tttatttctt 40

<210> 11548

<211> 285

<212> DNA

<213> Canis familiaris

<400> 11548

gagctagaca atatttccca tcttttaagg aaaatatcaa ctgatatcaa tgaaattaag 60

ggaatgaaag cagcaatttt gacagtggaa gcaaactctt ttgatttaaa tgttagagtg 120

tcacagaatg aagcaaaaat ttcattctctg 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 cntgtgtac cagagcatgt attaaagttc gacgttgc 118

<210> 11550

<211> 298

<212> DNA

<213> Canis familiaris

<400> 11550
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 gaccaccagc agtaataatc aaatcacaaa gaccagggcc acagtctcca ctgagtccta 120
 tcccagcctc aagtgtatg accagtgtaa agcgtgtatc aactacaatc ccccgccacc 180
 gtgctactat gatataaacg agggactctg acttgggtgg acacaaatat cttcatgtgc 240
 agtattttctt ttccagtaga atttattatt gaagtcaggg tcaagtagtg tttacatc 298

<210> 11551
 <211> 230
 <212> DNA
 <213> Canis familiaris

<400> 11551
 cacattacga ggatgcagac ttgagggccc ggacaaaaat agttttattcc acatatagtc 60
 gaaaatctgc aaaagaagtg agagataaat tgttgaggtt acatgtgaat tactatgttt 120
 tagaagaggc gtggtgtgtt gtgagaacta agcctgggtg 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
ttccaatata gcgaaccctc ccttatgtag catcttgctc aaagatgcga ggccttactt	360
caccacagta tticagaata 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
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<210> 11554

<211> 407

<212> DNA

<213> Canis familiaris

<400> 11554

tgacgccttc actccctgga atgtgcaggg aggtgctcat gaagacgttt gcagggtttc	60
caggcattgc tcccaaaata gaattttcta caaggacagc catcagagaa tgtgtgtttc	120
tgcaaagaaa cagatttcct gaagacagac ataagtcaag gaggccttta tctacaacac	180
aggggccaaa actcccctta aataatgcga agatgaagcc aaaggagaat aatctcaaca	240
gactgcccc aaacacgcaa tcccgtcac cttctccctg ttccaccagg cgcattcttc	300
aggaccagcc agtcaacag aaccctggaa ataacctcag aatctctggg ggaagcaagc	360
ctccatttgt agttagacat gtggacagtg ccaagccttt tggtgag	407

<210> 11555

<211> 195

<212> DNA

<213> Canis familiaris

<400> 11555

cagagatatt ttttaagctgc tgtcttatgg gaatctgaag gaaagctgga ggaacatctt	60
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gaagatctct ctcaaggagc caacccccac atccttagag aaatgaacaa ccatttttgt 120
 tatgtgtatc aaatcaccag ggtctcaccc ctttcaaadc aaaccctgta ctcagtcctt 180
 tgtggccagg taaga 195

<210> 11556
 <211> 371
 <212> DNA
 <213> Canis familiaris

<400> 11556
 aacgccatct ctgttttgtc ggctaggggt cacagcacta atggacaggt gcagcctgag 60
 ctgcaagtcg gaacgtgaca tggacaaact ggcccgcac ttcagctgtt acattagtga 120
 catcgtggag cgtgagtgac cactgtaggg aagccaggag gcgtgggtgcc gggcttcccc 180
 gagcgagcga gcgtctgtaa caacaggagg aggcctgggc tacttgaaaa gatactaaag 240
 ggttacgcct tcagtgttac tcatcttttg tttcttttat tttctttac tgctaccaac 300
 aggctagggt tttgtttttg tttgttttgc 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
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 atggacataa ctcttttggc cgaatatggg aaaccctttt ggtgtctcag tttccctgtt 120
 tgcattgagat cttctgtgcc ctctgatggc cctaacttct tgggacagac ttactgtgtt 180
 gactatgtgg actcgaagg cnaaagtgc cgtggagctg gtgtggatca aagagacaga 240
 agaatacttc atcgtgagcc tggtccttta cctgaagata gcaaaaataa accactgggt 300
 tgggacagca tactaagtat tgcttggggg 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
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 tcgcaatctc tttaaccaaga aaggatccat tgaaaatgga tatgtgaagc ttgtttgttat 120
 acgttttaaa aataacacag aacacctacc tcttattgga aaagttggcc tttcttggag 180
 aactgatgtt ttcagtggct gcataaagag ttgttctata atggacataa ctcttttggga 240
 cgaatatggg aaaccctttt ggtgtctcag ttcccctgtt tgcattgagat cttctgtgcc 300
 ctctgatggc cctaacttct tgggacagac ttactgtgtt gactatgtgg actcgggaagg 360
 cnaaagtgca cgtggagctg gtgtggatca aagagacaga agaatacttc atcgtgagcc 420
 tggtccttta cctgaagata gcaaaaataa accactgggt 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
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 gatgttgaca taaatcctaa agnccaacag cacttgggct ccgaacagca actgctcagc 120
 gagcactcag gaagacttgc aaatgtttga ggaaaaaaga gggaaatccc agcacattat 180
 ccagtcacct gttaaggccc ttttcagcaa tggtagtgaa tgccagaagg acctacacaa 240
 cagggtagag ggaaggccat cctagagact ccacacagct ccccccacatc aggagcctcc 300
 gtaaagctta ggaaacagaa agagaggcta aatgcagcag caacatgaaa atagtttaaa 360
 atgaacaatg tgcacacctg 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 cgcattgggca 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
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ggtaccaaga ggctgttgcc aagctccacc tgccccaggt gacaaggaaa cctctgggca 120
cgtcccggcc ttgtactcat gcaggacttg gggagtgag gctctgggtc agttctgttc 180
agggcctgan gtcgccacca cccccatcc cgggtgctgcc agaaaggccc tgctcccttg 240
tctccacacc atgagagtgg cctcaccttg ctgccccagc cagggaagtg ggcaaanggc 300
agggggccctg 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
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 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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 gttaaacc aa acncaacaaa gcaagttccg tcttcagaat ggagatggaa gaatgactgg 120
 aagccggacc ctgatcccag cagtagaaga cggaaggcgg gaagtgtgcc cttgcaggaa 180
 gagggggctg 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
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 ccggccaggc tcgcgggccg agcaccgggc cgncncaag ctgggagcca aaaccagcc 120
 ccggctgttg gtggtgcccg agaacgagga caggatggag gacaggctgg ccgagacctc 180
 caaggccaaa gatcatcacg tcaccggagc cgagggtggg 219

<210> 11567
 <211> 88
 <212> DNA
 <213> Canis familiaris

<400> 11567
 gcggtgcatg gtgtgcgcc 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

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aatggggagc aagtaaattct ggaggttgag agaagagaaa aatgagaaaa gagaaaagtg      300
ccagatatcc tctgattttac aatcaaaaat gaaaattcaa agaattgagat attcaagtac      360
tccatactat atactgggta gccaaagatg ataaaatgca aattctgaaa ataagatgca      420
ggaagtacat tgtgctcttt caaaactgat aaaaatgcaa attacaaaca gctgcctgtg      480
tatttatata ggtctggaat tcattcgatg cattgccaca a                          521

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<210> 11569
<211> 271
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

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<400> 11569
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ccagccaaga aggaaaaccg tgtccctaaa gaagtcattg nccatgcggc caaggagggg      120
cctaaaagcc aaggctgctg ctctccgaa tgggtggcagg tctaagatgc tgcctgaaca      180
cctggccagg aagacagagg cccccagggg ccctaggagg actggcatgc ccaccaagtc      240
ctcctcatcc aaactggcca gtaggaaggc a                          271

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<210> 11570
<211> 460
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<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
 aggccctccc aatccagcca aggtgaaagg gggcccagga agccaggaga ggcgaggnc 60
 gctcctccca aaccaggtgg tgagnccnc aggaaaacaa agctgggagt cggaattcaa 120
 aatcccccat cccaagggc acgaatggtg ctgcttcccc agccaagaag gaaaaccgtg 180
 tccctaaaga agtcattgnc catgcggccca aggagggnc taaaagccaa ggctgctgct 240
 cctccgaatg gtggcaggtc taagatgctg cctgaacacc tggccaggaa gacagaggcc 300
 cccagggggc 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
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 cgcacgccgc gcccgggccg cgggtggtcg ccacttcta cgccaagcag ctgacgctcg 180
 agcagctgct ggcggtggag aagggcgccc gcgcgcgcaa ggaccacggg ctggaggtgc 240
 taggcctggt acgggtgccc ctgtataccc tgcgggatgg tgtgggaggc ctgcctgcct 300

tcctggaaaa ttcctttatt ggagctgcaa aggagcagct gctggaagcc cttcaggatt 360
 tagaactggg ggaacctggg tctcttacag ccataagat 400

<210> 11573
 <211> 145
 <212> DNA
 <213> Canis familiaris

<400> 11573
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 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

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gccaggtact tccttcgcca ggcccgggag gaggcccagc acgccgagaa gctgatgcgc	120
ctgcagaacc agcggggggg ccggatctgc ctgngggacg tcaagaaacc ggnccgggac	180
gactgggaga gcggccnnan gnnnatggag tgtgcgctgc tcttgaaaaa gaatgtgaac	240
cagtcgttgc tcgaattgca cactctggcc tcagaccaag gcgaccccca tttgtgcgac	300
ttcctggaga cgcaactatct gaatgagcag gtgaagtcta tcaaagaact gggatgatcac	360
gtgcaaaacc tggttaagat gggggccccc gattncggcc tggccgagta cctctttgac	420
aagcacagcc ttggaaacga aaacaatcag aactaagcca caggctgccc tcctcgctgc	480
ccagggnggg ccaagacca gagtctgcag actcctgctt ccttgccctt aaaatgaacc	540
tcta	544

<210> 11575

<211> 397

<212> DNA

<213> Canis familiaris

<400> 11575

gacaaccatc cagagttttc aaaggggtcca gggattttaag aagatgggtg 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 actttttaag attttttata agtcggtgta ttaaaccttg	60
ggagttgaag gcggggggagg 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

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atattggcca 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

cttcctgtgc ccaatgatac agttcagtgc tatcaaggaa gacttcagat cactggagga 360

ggcatcaact cccttttggg ggtcaaaggc tgcatttcta 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 tgggtgcatgc 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
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 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 gaccattctt 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
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 naccctcggc agccccgagc atgcctggct gccaccacca gcttttccaa gatctctgag 120
 gcctaccagc atgagccagg tcccacagtt gcaggatgag atgcgccggc agctgccact 180
 gctgctgcac cttcaggcag ccatggctaa ccctcgtgcc atgcatgccc tgctacagat 240
 tgagcagggg ctgcagggtc tggctactga agccccgcgc ctctctctct ggttcatgcc 300
 ttgcctagca gggctgggaa atatggcagg cagtacagag cctagggagg gctctgtgca 360
 gccacctgg gctgtttcttc agcttctcta tgcactagcc aaagcctggt ctcatgccac 420
 acaatnctca ctatctcat tctccctccc tgaaggctgc ttccagcaag aactggagca 480
 tctgaaggcc atggggtttg ctaacatga 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

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 <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> (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 tggcatcggt aataanatgg 120
 ttggccgtgt tggggacncc ccatgcatag gatctggcgg ttatgctgac aatgacattg 180
 gcgccatttc aacaacgggg cacggggaga gcctcctgaa ggtgaatctg gccagactca 240
 ctctctttcca ggtagaacaa ggaaagaccc tggaagaggg agccgacatg tcattggggtt 300
 atatgaagtc aaagctgaag ggtttaggtg gtgtcatctt ggtagcaaaa 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
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 aatagcatat cattgggtgaa 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 ataacaaaa 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

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gtggatagcc tgagaatcaa aatttttagga acttctgtgc caatagaaaa gtttgttgct 120

gagaagggcc agcgctatgg cactactaca ggctgggttta 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 atacattat tacgaactag gaattcttca ctacctaaaa 480

ggagattatg agagtgaac 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

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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> (80)..(80)
 <223> n is a, c, g, or t

<400> 11587
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 tgcttgatg ctgaaacacn gtgcgcagca gccgtggcct gagcagcact gtgaacgtga 120
 gtgtcagcaa gaggagaggg tctcgcacgc caccctaaaag taccaacggc ttgcctgttt 180
 cctgctctga aaatcccttg agccgagcac gcagttttag cactggcaca agtgctggtg 240
 gcagcagcag cagccaacag aactctccac agatgaagaa ctccccagc tttccttttc 300
 atggcagtcg gcctacaggg ctgccaggtc tgggctctag cactcaaaag 350

<210> 11588
 <211> 442
 <212> DNA
 <213> Canis familiaris

<400> 11588
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 ttgtactcac agaagcacia aaacagctta tgatttgcca cctacctcag gttctcagac 120
 tacatctcaa acgattcagg tggtcgggac gtaataaccg agagaaaatt ggtgttcatg 180
 ttggctttga agaaatctta aacatggaac cttattgctg cagggaatcc ctgaaatccc 240
 tcagaccaga atgttttatc tatgatttat ctgctgtagt aatgcacat gggaaaggat 300
 ttggctcagg aactacact gcctactgct ataattctga aggagggttc tgggtacact 360
 gcaatgattc caagctaagc atgtgcacta tggatgaagt atgcaaggcc caagcttata 420
 tcttgtttta taccagcga 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 aggcctttttg 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>
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 <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

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 <221> misc_feature
 <222> (156)..(156)
 <223> n is a, c, g, or t

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 <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

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 <221> misc_feature
 <222> (442)..(442)
 <223> n is a, c, g, or t

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 ttccaccag tttttgcagt aatcatgaga tactcttcat tctctgggtg tagctggcaa 120
 gagtacgccg ccatgnccag ggactngcaa aagcgnctgc ncacgagtag aaacaaagct 180
 cccctctcca caggcgctcag cgggatgaca ctctcaaacc ccgccaggac gtgacctccc 240
 acgtgcatgg gactcttgnt ctcaatcatc atgtacatga tggtaatggc cgcttcaaac 300
 acgtagtagc cgtagctcat gtcacgaag tctaaaatcc cagacacttg atatgcagca 360
 tctccacagg ctgacttact ggactccact aggatgttat ggtcattaag atcccatga 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
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 gaaaagtctt cagggtccctg gaataaaaca gctncagtac aagcacctcc tgctgcagta 120
 attgttacag aaaccccaga accggcaatg actagtgggtg 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
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 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
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 gtgggtggcc tgcatcagaa gggggaccct ccgagctgca tcaagaagcc atccaaggag 180
 ctggagtctg aggaccaggg aaggggaccta cgaagtgaca ttgaagatgc cagctgtcag 240
 gcagaccagc aggaggacaa gcaggaaaag aatcaggatg ccctcgagaa gttggaccct 300
 gatggaggaa ggacggagcc agaagggag ggctgccgcc cagaggccag tggcaagaga 360
 gcctcctctc ctctccagcc caccctggaa cgccatccac acctctctgg tttccattca 420
 cagaaacat 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

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 <222> (89)..(89)
 <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> (166)..(166)
 <223> n is a, c, g, or t

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 <222> (171)..(171)
 <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> (190)..(190)
 <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> (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 gcctccgtn ccaccgcagg gtgagcatga gaagatgtgc 240
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gacaggtggg agngancaaa gcggaatgaa gaggaggtag agggaggaag taagncaaga 360
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gaggaggaca agagaagaaa tagaccattg acagatgcct ccctaagctt ctatttatct 480
aattttaaac ttgaaagtaa ggccatatat caaaacagtt gtgttttctt ctctgtgcca 540
agtactctgg ata 553

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<210> 11595
<211> 300
<212> DNA
<213> Canis familiaris

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<220>
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<222> (164)..(164)
<223> n is a, c, g, or t

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aatcacatgg tgggtggacca ccgccccaaa gcactaacag ttgnngggatt cattgaggag 180
gagaaagatg aattacttca acattttctca actgcaaacc aagggtcaaa attcaaagac 240
cgtcggctac aaatatcatg gcacaaggcc aagggtgcctt ctgtatccac tgagactgag 300

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<210> 11596
<211> 355
<212> DNA
<213> Canis familiaris

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<400> 11596
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aacaactttt taaaattatt taaagaagtc aatgagccaa aaatTTTTTT tatttttctt 180
ttccacacag taggtttaag gacagcaagt ttgctattta aacacatctc ataactgttc 240

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atgatattaa agcaccaaag gcctagtgac ttttacacag ttgtgaagat ccacaggaat 300
gatacggata atctctagag cttactttc cacaccacct gttttgttgc tattg 355

<210> 11597
<211> 133
<212> DNA
<213> Canis familiaris

<400> 11597
gttgattctc tggaccctga aaagctatta caatgccct atgataaaaa ccaccagatc 60
agggcctgca ggtttcctta tcatcttata aagtgcagaa agaatcatcc tgatgtcgca 120
aacaaattgg cta 133

<210> 11598
<211> 219
<212> DNA
<213> Canis familiaris

<400> 11598
ccgtgaaggc ccgagaccag aagggtggctg gagacctgga ggcagcccgg cgattcggct 60
ccaaagccaa gtgctacaac atcctggcca cgatgtgggc gctggtgccg cctctgctgc 120
tgttggcgct ggtggtgacc ggggcgctgc acctgtcccg gctggccaag gactctgcgg 180
ccttcttttag caccaagttc gaggactcgg actatgact 219

<210> 11599
<211> 521
<212> DNA
<213> Canis familiaris

<400> 11599
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gaactcaagg acctgcatga tcgccatgat ctcaccaggc ataagctcct gtgaatatac 120
tttaaacaca ctaagatatg cagacagggc caaggagctg agccccaca 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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 gagtgtgagg acagagcaga gtccagatgc caagcttgga aggtgttagt ggttatgaga 180
 gtgcctctgc tctttctacc tgatccccga agggccttct tctcttctcc caccctaatc 240
 tgctttctcat 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>
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 <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>
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 <222> (261)..(261)

<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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<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> (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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 <222> (382)..(382)
 <223> n is a, c, g, or t

<220>
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 <222> (395)..(395)
 <223> n is a, c, g, or t

<400> 11601
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 catttgagtt caataacaac cacgagtcgc tggacgagga gctgcacctc ctgggtcttgt 180
 cctgtcgnaa agctgttntn ctccaagatc tgggcctttc 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>
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 <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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 tttctnctg cgggtctctg ccgttctctc 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

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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> (64)..(64)
<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> (100)..(100)
<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> (158)..(158)
<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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<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 11603

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aaanccatgg aatacaatat ggtgggaaga ncagtgcctn acatgttgat tcgtgaggtg	120
gtcgagaaga gncctggctat gtatgagcat aaggaggnc 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	
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accactcagc ggccaggcag cagtgccagc aatcaggtaa cgatgtgtag gtcccctcag	120
cccatggaaa ttatgttgta ttaccacaac atgttttttt gtctaattga ctgggcaaatt	180
caaat	185

<210> 11605
 <211> 178
 <212> DNA
 <213> Canis familiaris

<400> 11605	
acaaaccaac agagagctgt gaagttttaca 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	
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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
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 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
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 agcgacatgc atatatagga ggaatgtttg gtgccgggat ttattttgct gaaaattcct 120
 ccaaaagcaa ccaatatggt tatgggattg gaggaggaac aggctgcccc acacataaag 180
 atcggtcattg 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 gaatgccac tggtaaaggc cacattggat 480
 ttcaacctgg gactggatta cagtggattg ttccaacaa 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
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 aagaatctca tacccttgaa gagttttacc taaaattttt aactactata atttttgtgn 120
 cctctttgaa gaggtatact acttttaaaca 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 tttaaagtct 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
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 aaacagttgt accgggccag gatgaatgcc ttggacttga acctgaagac caaggaaagg 120
 attgtggagg aggccaacaa ggcctttgag tacaacatgc agatatttga tgaactggac 180
 caggctggct ncttgttggc cagagagatc ctggaggacg gantcccagt gcacgatggg 240
 aaggagatg tgcgtaaattg cccctactat gctgctaaac cagacagagg tgccctggag 300
 ggcagcagct gcccttccg 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>
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<222> (50)..(50)
<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>
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<222> (63)..(63)
<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> (81)..(81)
<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> (108)..(108)
<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

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<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 ncaaattccag atngagaaga ccccttcncg ccggggggaga 120

gggtcatctt ccccnnggag atcaacaacc agnccagcaa gtgcatcaag acgggtcatct 180

ttgccntcta cggncacgt gcaatacgag ggcttcanc cccaancncg gagcggcggt 240

cgcgggcgga cagcagttag ctgntccggc aggaggccaa caccagatc acgcctttca 300

acaccaccaa gatcgtcagc gccctcaacc tcccgcaggt gctgtccgtg agcagcnagc 360

acacgcgaca gcgagatcat gagcaccac tacgagctgg tcagcaccgt ccacctgcc 420

tggtccctga ccagtgtgaa ggccaagggt cccatcatcg tcaccagtgc ccctgtggac 480

gcggccagct gccagccggt ggagggggacg 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 ttcattcattg tgatatttgt ctacataaca 120
 gtggaaaagg agccgttctt tggctaagtg ctttaggaac agagcaatga gtgagcacct 180
 gagcatgcct ctaagccgtc ctgctgcagg gaaggacaga aaggctgctt gaaaaaggga 240
 tgcccagccc catagccagg tagctttcct ctctgctgct ctcacaaaac cctaccagg 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
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 cccgtacaga catgatggag taaagactga gcactacaaa acaggtcttc attctccgag 120
 acgacaagcg ttggatagta tagagcccat gtccaggggtc 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 ctttaactcac tcacattttc ccttgtatat ggataccaac agtaccactt 240
 cagactcgcc tcagagtga ataaagaatg taaaaaggga agatgaatct aaaccacac 300
 tttccaaaga tatttatggc aactagatg atgaattaga tggtagtgaa acatagagcc 360
 aaaatcacag cttttagaga gttaattgca aaagaaacag catttcaaga tcagattatt 420
 gagactgaac 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
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 tcggggacac catccttttt cgagggccaa ctggtcgcct cttctataat gggccaggga 120
 acttttcaat caagccatac aaaacaagtg agcctgaaaa gaagctggtc agtcacctgg 180
 gaatgattgc tgggggcaca gggatcacgc ccatgctgca gctcattcgc cacatcacca 240
 agaaccccaa cgacaggacc aggatgtccc tcattcttgc caaccagaca gaggaggata 300

tcttggtgag acgggagctt gaagaagttg ccagaactca cccggaccag tttgacctgt 360
 ggtacaccct ggacaggcct cctgttggct ggaagtacag ctcaggctac atcaccgcca 420
 acatgatcaa ggagcacctc cctcctccgg ggcagtccac gctcatcctg gtgtgtggcc 480
 caatgccctt 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 catgccaaagt 60
 cgaattattg tgtatcggga tgggtgtagga gatggctcagc tgaaaacact ggttaactat 120
 gaagtaccac agtttttgga ttgcctaaaa tctgttggtg gaggttaca cccaagacta 180
 acggtaattg tgggtgaagaa acgcgtgaat gccagatttt ttgctcagtc tggaggaaga 240
 cttcagaacc cacttcccgg gacgggttatt gatgtagaag ttaccagacc agaatggtat 300
 gattttttta tcgtgagcca ggcagtgaga agtggcagtg tttctccac acactataac 360
 gtcacatctg acagcagtg cttgaagcca gaccacatac agaggctcac atacaagctg 420
 tgtcacgtct actataactg gccaggcgtc attcagagtc 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
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 ctcaactaaa taatgcatag tgggtcaatct catgtagggc cactactcta cctcacttag 120
 gatgaagagg tagtgtgtcg tcaaactcct gaattctagt ttacttggca ctcaaatca 180
 cta 183

<210> 11619
 <211> 129
 <212> DNA
 <213> Canis familiaris

<400> 11619
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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 ccagagtgc aagcagagata 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 aggcaaattc 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
ttcttgtttgc 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	
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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
aactgggtcca ttcaagaaaa gttcaaagggt tatcaatcca gcggggcccag cggaaatgtc	360
caggataata gtagcacttc ggatgaagag gagggaaaaac agcccactgc gaccagtaag	420
aaggaaaacg tggacaactt ggacgcgaag tgcacagctt cccctctggt cagacacctt	480
ctccctgggc tcaaaggaga gccccccacg actgcaggcc aaggaggggc aaccaaattc	540
actgcgaagt ccaat	555

<210> 11624
 <211> 499
 <212> DNA
 <213> Canis familiaris

<400> 11624	
aactgggact gttctgtttg cctcgacggc cccacctact ggggcaagga actccccggg	60
ggggcccagcg cggactctac catttcgtgg ggtgggcctg cgggctccga ctgcaccacg	120
tcctggggct cggggctgca ggcggactgc accacctctt caaaggggta ccagacttca	180
gatctcccca cgtcctccga acccagccag cagtcggacc gcgtaacctt ggcttggttac	240

cccaaaagta accaccgagg tcccattcag ctgtggcagt tcctcctgga gctgctccga 300
gacgggcagc gtagcaactg catccgctgg accggcaaca gccgagagtt ccagctgtgt 360
gaccccagag aggtggcgcg gctgtggggc gagcgcaaga ggaagcccgg catgaactac 420
gagaaactga gccgaggtct acgctactac taccgccgcg acatcgtgcg caagagcggg 480
gggcgcaagt acacgtacc 499

<210> 11625
<211> 231
<212> DNA
<213> Canis familiaris

<400> 11625
accagcccg agatggagta tgactgtgag aatgcccgct attaccaacc tgggatgcgg 60
gacacccttg gcctgagcat ctatgaccaa aagaagtgtg aaaagttggt tctgtccttg 120
tgctgcaata gcctcagcct gcccttcac 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
aagccacac agatgttccg gatgtttggg tttggtatga tcagcatgat catgctggga 120
tgtctgccca tttattgctg tactctttgc cggaggagca aatgggcca tcctttacga 180
ag 182

<210> 11627
<211> 195
<212> DNA
<213> Canis familiaris

<400> 11627
gatgctgaaa tgtcaggagc agcagaagag gaggaagggtg cagggtgatga taaagagcaa 60
gagaccaaag cattatcttc ccactaagaa gaatgtgaac cattcagagc agaggagact 120
gtcccagtca tctaaacctg atggagcatt ttagtacaaa aattaattgt ttttttgtc 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
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 ggaacatggc cntcttcccta gaggtctctc cgtgggagca catgctcttg gggacaccac 120
 ctgcacagtt ccgttggctt tgatacgctt gcaggccact tgccgactgt ggaatccttc 180
 accgcaagac acagagcact nctgaccatg caccctgtgag ccacctgaga aaaaaaacta 240
 tggcagctta gtgaggactg caatgtcaga tcccagaggg agtgtctgga aaaggaaaaa 300
 ttgagcaaca gaattaccag attaaaaccg tcattcccca ggcttctcca gacaaccaga 360
 ggtatccgtg gcacagaaaag 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
 cttagcccc cttggggagg accagactat gctactgcag agacctttga cattaggacc 120
 atgatgtctc ctgatggata tcctttagaa gggctttccc agaagatcac taataatatt 180
 gtttattttt 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
 agctatgata ctgcctccat gaaagtcgtc agcaatgcat cctgcaccac caactgcctg 60
 gcgccccttg ccaaggtcat ccatgagcga tttgggatcg tggaagggtgatgaccaca 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
 aagggtcatcc atgagcgatt tgggatcgtg gaagggctga tgaccacagt tcatttcctat 60
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 gccaccaga acatcatccc agcctccacg ggggctgccca aggntgttgg caaagtcatc 180
 ccagacctca aagggaagct gacaggaatg gcgttccggg tgccaacccc agacgtatct 240
 gttgtggacc tgacctgccg cctggcccag cccaccccat acgaggccat caaagaggcc 300
 atcaaagcgg cagccaaggg gcccctcgtt ggcatacctt 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 ggtgggggtgg gctgaggtcg ggcggtgaca gccatccctt cccagcccca 180
 gaagcggggc 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 tgattttttg 240
 accttgcaact ctatcatcat tagcttggtt gaagctggcg ctcacactga catgacaaat 300
 aaacagaata agactccgct agacaanagt accactgggg tatctgagat actacttaaa 360
 actcagatga agatgagtct caagtgcctg gctgcccagag 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 ctctgcccc cattcaggtg ggcagaagaa gagacagagg ctgcccggtg	420
gaaagtaatt gctgacttcc ttaagcaaaa ccaagaaaat gggggtgccc tccaagctct	480
gctgtcacca gatggagtcc atgaaccttt tgacatttca gagcagacct atgacttggt	540
g	541

<210> 11636
 <211> 331
 <212> DNA
 <213> Canis familiaris

<400> 11636	
gcagcttgga tctgcccagc cctgtgtctc tgtcagagtt tgggatgatg ttcccgggtat	60
tgggccctcg cagtgaatgc agtggagcct catccccga atgtgaggta gaacgaggag	120
accgggcaga aggagcagag aataaaacaa gcgacaaagc caacaacaat cgaggtctca	180
gcaacagcag tggcagtggc aagagccaaa gcaacacctc ccgtgagggc caggccttgg	240
agaacaggat gaagcagctc tctctccagt gctcaaaagg aagagatggg attattgctg	300
acataaaaaat 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

gtcatgtctca tcagaacagt ccaaaaaaac agagaaagga aactcagcgg aaagcaaaat 180
gatctcacca ggtctctgcc gacaaaattc cccagagctg ctagagactg aaactcactt 240
atcagaaaca gacgtcagag aggagccaa ggcatgcccc agaagtcctg agagaaggga 300
gaaggttgca gacatcttcc aaataactgc agtaaagtct cttctcccca ggcatgatcg 360
tttaaatacca ccaataaaaa gtcaggataa atcaggataa attaccttct tcaagacaa 419

<210> 11638
<211> 85
<212> DNA
<213> Canis familiaris

<400> 11638
acaaaaatct aatccttggg 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 gatgcagggtg gaaacctgcc atgtcccgtg caaaacatca 120
acgctggatt tcatacctt 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 aggagcagc tggaagagtt tggctggggc agttcccgga 180
agctccgccg gcagctggag gagcgcttcg gagagagccc tttccgcgac gaggaggacg 240
tgcgcgcgct gctgccgtg tgcaagcgct gccggcaggg ctggcgggcc gcggccgcgt 300
ccccggcggc gcaactggcg gcctcggagg gaacctgca gcgcctggtg ccgcggccgc 360
ccccgggaggc ccaccggccg ctgcccctgc tggcgcgcgct 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
 agtcatttc 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 cccctaccta ataggaggcc 60
 gcaagtttga tctgcgtgtc tatgtgctgg tgatgtcggg 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

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caccagactt cagtcgggct actggncacc cagcagtcct gagatcggtc nccgtcccct      60
cttcgggggc aacgtggtcc cgagccattg ccnccccgcc ggaccaggac cttctcagcg      120
acgggtgcggg cttctcaagg tcctgtctac aaaggagtct gcaaagtctt ctgtcgctcc      180
aagggccacg gcttcattac cccggccgat ggcggccccg acatcttcct gcacatttcc      240
gacgtggaag gggagtacgt ccccgaggaa ggcgacgagg tcacctataa gatgt          295

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<210> 11644
<211> 266
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

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<400> 11644
gaagatagcg aagctcctct gcagagaaac aaatncaaaa gccctagaac cgggtggtgc      60
cgagctcggg gctctagccc ggctactagc tgnacggcg ggaagtggag ccagcgcggt      120
gagcacctgc ctgtgctact gtgccttcta cctggccatc tggaaaacta ctgctgcacc      180
aacgcaagaa aaatgtaaaa aggaagcctt ggggtgaggtg acatttttca ggtgttattc      240
aaatcctaca gctgggtaaa tgcaag                                266

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<210> 11645
<211> 366
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (147)..(147)

<223> n is a, c, g, or t

<400> 11645

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ccatctcagc tgggttttggc gtcagtcngg atcctctcaa ggtgtcacag ctgtctcccc	120
tgtcacgaag actccgatgt gaccagngca cgagcctacc agaggaagcc ctcgatgatg	180
tcacccagtc cctctaccac ctgtctgctc ccggacatgg ggacatcatc agatgcccc	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 agagtcttc cattaaattg	180
gcctcatagg ttaagggtc cgaacatttt tgaattcctc ttcataatcc actataaagt	240
aatcatctgt gaatttgaca tactgatttt ttaatcttac aggcccttag gatagagttc	300
caatgtttat cctccctttc cataaagaag tacatatatt 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 tcaaggtcac	120
ggacagcctg cgagactcgt caaggtcacg gacagcctgc gagactcagt caaggtcagt	180
gacagcctgc gagactcggg caaggtcacg gaca	214

<210> 11648
 <211> 495
 <212> DNA
 <213> Canis familiaris

<400> 11648
 ggagctgata ttaacaaggc ccttcttgca aagagaaaaa gactagaact gtataactaag 60
 gcttctctca aaaccagcaa ccagaaaatt gaacatgttt ggaaaactca gcaagagcaa 120
 aggcagaagc ttaaccaaga atattctcag cagtttgtga ctttgtttca gcagtgggaa 180
 atggatatgc agaaaattga ggaacaagaa gaaaaactag ctaacttggt tcgacagcaa 240
 caaaagattt ttcaacagtc tagaattggt cagagccaga gactgaaaac agttagacag 300
 ctatatgagc agttcgtaaa gaatatggaa gagttggaga agaatcatga taacctactt 360
 actggtgcgc aaaatgaact taaaaagaa 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 ataagggttg tgttttctta gactatgagt ctgggcatat agcattctac 60
 aatgtgacag atgagtcctt catctacagt ttccctccca cctctttcca agaggctctc 120
 aggccatatc 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 cgtgttgagg gtggagagct tcacttcagg gaggcactac tgggaggtgg 180
 atgtggaaaa ggcaaccagg tggctgttgg ggatatctga agactctggc agtggacaca 240
 gtgacctacc cactgctgcc agagataaag tcttactcat aggttctagg atgggaacta 300

attacacgtt ctgggtcttt cccctctga agaaggtctc cttgagggga gagcagatgc 360
 acaaagttgg agtcttccta gactgcaagt atgggcagtt atccttctat gatgtgacag 420
 atagatctct catttataat ttctcttctc ttaccttccg gggagctgtc agaccatata 480
 ttctcttttg tatcccaact ggaggcacia attctgactc actcagtatt tgctgtcctc 540
 atgttgcgtc ttgtgatgtt 560

<210> 11651
 <211> 542
 <212> DNA
 <213> Canis familiaris

<400> 11651
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 gggggccgtg ttgctggtct ctttcagcat ggcagcccca ggaatttcca gccaggctga 120
 ctttgctgag aaactcaaga tgatcgtgaa gattctgcta acagatatgc atctgccctc 180
 cttccatctg aaggatgcc tgactaccat cggggagaag gtctgcctgg aggtgagcag 240
 ttgccttgcc ctgtgtgggc tcaactccctt caccgcggaa aaggaggccg tgctcaaggg 300
 ccagatccag gctgtggcca atcccagca ccccatccgc aggatcatgg attcccgaat 360
 cctgatcttc ttagagagct accttgccac aggtcatcag aagccagtgc ccacggtacc 420
 cgggggattg ggcccgggtc agagagagct ggaggaagtt gctattaaat ttgtgcccct 480
 ggtcaactac aacaagctgg tcttcagtcc ctactacgat gtcacctca gtaaggctct 540
 cg 542

<210> 11652
 <211> 424
 <212> DNA
 <213> Canis familiaris

<400> 11652
 tggagccgta ttcgtacctg gtaaaagcag gagttgcttc cagtataag ctacaggagt 60
 ggctccggtc tccccgggat gcagttagtc caagatatga gcaagacagc ggccatgaca 120
 gcggaagtga agatgcctgc tttgattctt cccagccgtt cactctggtc accataggca 180
 tgaagaagtt ttccataccc aagtcagcca cttctgcca tgaacctgag aataggggtc 240
 ttcccatgcc aacaagtata gggattttcc ttgactatga taaaggcaga gtggctttct 300
 atgacatgga tcacatgaaa tgcctttatg agcgtcaggt ggactgttcg cacacaatgt 360

accagcatt 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
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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 gtcgctcct 60
actggaactg gatccggctt tggaactatg cgcagccccc agacgtgatc ctcgagccca 120
acatgacgcc tggcaactgc tgggccttct cgggtgaccg aggccaggtg accatccgaa 180
tggcccagaa ggtctacctg tccaacctga cactgcagca catccccaag accatctcac 240
tgtcgggcag cctggacact gtccccaaag acttcgtcgt ttatggcatg gaaggctctc 300
ccagggagga ggtgttcctg ggggcatttc agtttcagcc agagaacatc attcagatgt 360
tccagctcca gaaccagcct gcccgagctt ttggtgctgt caagggtgaag atatcgagca 420
actgggggaa cccacgcttt acctgcctgt accgagtgcg tgt 463

<210> 11656

<211> 303
 <212> DNA
 <213> Canis familiaris

<400> 11656
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 cgccctcatgg acagtctgaa tgcctcaggg cagatggctc cagggatggg gggctgggta 120
 ataggcagca tgagcctcca gcatcagcaa gaaagcaggg ccttcaataa caagattgta 180
 aagacacatg tgtgcatgaa cctcgtttgtg gagttctggc tggagaaaga tgagtttggc 240
 cggagggatc tgggtgatagg agattgccat gtggagccga gtagcatcta catgacagtc 300
 cta 303

<210> 11657
 <211> 453
 <212> DNA
 <213> Canis familiaris

<400> 11657
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 gtctttccat aaggagcggg 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 ttcagagggg ccttggaaca agttatccca aaccagtag aaagtcaggt 360
 gtgtcctcta atcgggtgaaa tcctcagaca gctggacgtg aaactgatga aaagcctcat 420
 ggggtcccag atccctgccc atggctgctc aat 453

<210> 11658
 <211> 572
 <212> DNA
 <213> Canis familiaris

<400> 11658
 gtgattctga acatagccac tgtcagtggt agaatccagt tctcccagga ccaacaaaaa 60
 agcccttcag tgggtgacaag attgaattgc ttatcctgaa ggccaagaga aatctagagc 120
 attgtagtga agagttaccg aagtctacaa aaaaggatga tagtccttgt tcgttagata 180
 aacttgaagc agaaagatca tgggaaaata ttcctgttac tttcaaattc cctgttcctg 240
 ttaactctga tgatagtcct caacaaactt cacaagcaaa gtgtgctaac gggttccttg 300

aagatttttt aaatgatgat aatcagagtt gtaccctttc 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 ctcaaaccga 120
 aatacagaga cagactgata ctgggtgtcca agtcactaga atttcttgat ggaaaagaaa 180
 ttagaaacat ggaaagacaa ttcctaataa attggaaagc atccaaagat gccaaagaaa 240
 tcagcaagaa aaggaatagt caaactgaag atgcaagtaa ctcacacata agtaactttg 300
 aaacaatgca tcacatagtt gcttattacc tacagatggg taagccaaaa gtagtttttt 360
 tctctgatat acacagatac cttccaaatg gaaatgcac tgcagaaagc tccaagaag 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 tccgtgggta 60

taaccatgct tgtggctata tatgtttctcc tctgcaagag aaccagcac attccaaact 120
 agtgatgttt a 131

<210> 11662
 <211> 490
 <212> DNA
 <213> Canis familiaris

<400> 11662
 aagctcctac atggttgact atcaacccta cggaaggac aaatactcca gggtcacacc 60
 acaagagcag gtgaagctgg atgcccaact ccgggacaaa gaattgtata ggcccatccc 120
 cagctccaag cccaagctag aggatgggta cccgccttc agaacactcc acatgaccgc 180
 cagagacctg gggcagcccg gctttcttccc 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 agttcccat cttgaaccga tggggcccct tgatgccatt 480
 ttaccagtag 490

<210> 11663
 <211> 562
 <212> DNA
 <213> Canis familiaris

<400> 11663
 gtatatattgc cttgattctg tagaaagttg taatctgttt aaccagcata gtgatacaga 60
 tgacagcgga gtcagctggg aatctgagtc tgagagcctt aatgaagcac tgcggagggtt 120
 taataagaat gtggagacat ttcctcctct gacggatttt agaacagaaa tgccttgcct 180
 tgcagaatat gatgatggct tatggtatag agcaaagatt gtgtctgtta aagaatttaa 240
 tcctctagct gtcctggtac aatttggtga 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 agtaaatac tadcagaaaa attaaagttg agagacagat 60
 ggcttggagt ctggaagact aaccctgagt tattctttgt gaaatatgaa gaagcttcta 120
 tcccttttgt 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 tttggtggtg tttcactatt taatttttaa gaagcctatt ttactagtgt 120
 tttatatgaa aaaaatactg cagaagttaa acctgtgttg ttttttcct gagatgcttt 180
 gtgttagtga ctactgagac cttttccgct cggtttttat atgcgggaaa cagagtttgt 240
 acgggctatt tttgtatcac ccggttaactt gcaaacagac caaatgagtg tgtggagggg 300
 ggcgcaggcc gggggccggtt gacacgctgt cgtttg 336

<210> 11666
 <211> 289
 <212> DNA
 <213> Canis familiaris

<400> 11666
 tggcagaatc cgcacatgct cttcctggat gagcccacta accacctgga tadcagagacc 60
 atcgatgccc tggccgatgc catcaatgag tttgaggggg gtatgatgct ggtcagccac 120
 gacttcagac tcattcagca gggtgcacag gaaatctggg tctgtgagaa gcagacaatc 180
 accaagtggc ctggagacat cctggcctac aaggagcacc tcaagtccaa gctgggtgggc 240
 gaagagcccc agctcaccag gaggaccac 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 ggcattggctg atggcgagag agaagagttt ttggttcccc attccaactc 120
 ttctgcagtg tgtttgtggc agtgttgtta gtcaacttgt agtgatcagg ttgagagatg 180
 gcataaaact cccccaagt gcaaaaggaa caacaacca ttcacagatg ctgttcttct 240
 cccacaggcc tggaagtaac tcctttttgg 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 ccccgtcac 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 ctggggggttg ggggggttggg caggggggaaa taggaggagg 60
 agagactgta atacaaacnc taggagagca agtgncctgga aagancctggt gcagaagnng 120
 ggncnccctt 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 gccactaac cacctggata tcgagaccat cgatgccctg 120
 gccgatgcca tcaatgagtt tgaggggggt atgatgctgg tcagccacga cttcagactc 180
 attcagcagg ttgcacagga aatctgggtc tgtgagaagc agacaatcac caagtggcct 240
 ggagacatcc tggcctacaa ggagcacctc aagtccaagc tgggtgggcga aga 293

<210> 11671
 <211> 565
 <212> DNA
 <213> Canis familiaris

<400> 11671
 gaaaattacg ctgctgccgt ggattgttac acacaggcaa tagaactgga tccaaataat 60
 gcggtttatt attgcaacag ggctgctgct cagagtaaatt 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 ggctagttaa 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 ttggagtggg ggactgcttt gacnccaacn ccgggggatgt 60
gggtccagtgt atcaccttcc ccattgactt caaccaccgg cccctgctct ctttccatca 120
ggacaacatc ctctgtgtac acagccaccg gcagagtgtg gaaatcaatc tgcagaagat 180
aaaggccaac aagacgacca cctcggtgcc tctcttgctt aacaactgcc ccttggtatgt 240
gtcccatgct atatgctcca ttggagacag cagagtgttt gtgtgcgggg gtgtcaccac 300
aaccagcgat gtccagacaa aggactacac catcaacca 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 atgtctaatt tataaatcca agggcttcca 180
tactgacgta cttggcaatc ttttgcattg 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 tcgtgctggg gatgtactgc tcccagttct gattcattgg 120
 ccgcctaggg tttgtcattc tatccccgcg tctgcaaaca gcgtggggtcg gttttctgta 180
 gtccagctag cttaaactgga ttttgccgcg ccngcatatn cagctgcagt taggnncnnt 240
 tgctaacttc taatggaagc agctcttaac gtttctgatt atcctcaaga aaaatcttgc 300
 gttccttaaa ccttgctgga ggctggttga 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

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agagaaattg agaatattca aacataccaa tctactgcag aagagaatth tctgaaagaa 120
ataaaaaatg caaaatcaga agcaagtatt tataaaaaata 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

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<210> 11676
<211> 160
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<400> 11676
agcgggagcc gctatgatgc catttgaggaa aagggactgg ttgtgaaggg cacatncaca 60
ttctcagatg ggctacagta cgantcggag cactggcatt actgtgacag ctatgatngg 120
aggttttaca ccgagatctg ctacggcttg aagcctgcag 160

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<210> 11677
<211> 52
<212> DNA
<213> Canis familiaris

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<400> 11677
gaaaggaatt ccaagtcaac tgcattcaatt gcttccatct aagatatgta aa 52

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<210> 11678
<211> 407

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<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 ttacgggtc acaaagactg gatggacaag tgtgtgtgtc tcttgactgc 60
 cttctccgag cgcatgcgcc gtgtccctgt ggcattgccg gagatgggtc gcgccctctc 120
 agcccaccag cagaccctca agcagatcgt gatctgtgga gatccccagg ccaaggatac 180
 caaggctctg ctgcagtgtg tccnctccat ctacatccct aacaanggtg ctgatcctgg 240
 ccaacngggg ncccctccag 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

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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 tggagtgcct aa            232

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<210> 11680
<211> 512
<212> DNA
<213> Canis familiaris

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<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

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<210> 11681
<211> 219
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

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<400> 11681
gcctcgggtgc cgagaacgac attttcatct acatggcggtt gatttacctg ggcagccccc    60
acaaaaacct gaagcggatg gccatgaagt tcatcggggg catcctgcag gactacttta    120
ccgacctctg cttttccctg aagangggcg acctgaaaat cttcaagaaa tacttggagg    180
tcctgaagaa ggactcagac tccgtgagcc gcagattct                                219

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<210> 11682
<211> 136

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<212> DNA
<213> Canis familiaris

<400> 11682
aaagggatgt gaggtttcat gaactggaac cggatccagg atgctctgca atcacaccct 60
aggatttgta ataagttcaa gtgttcatgt cacccttgtc 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 aatgatgggt 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
ggagtgcacat ctgcaagggt gtaacccag 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


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gggagagcct atgaagcaat agccaaggctc ctgcagagcc aaggagagat gacagaagca 180
attaaatact tgaaaaaagt tgtgaaaatt gcaagaaaaa attttcaaag cctagatggt 240
gtgagagcaa gtacaatgct tggggccatc tacaatgaaa aaggatacta caacaaagct 300
tccgaatact ttcagcaagc ttttgacaca acagcagagc taacaaactt gcgtcaaagt 360
gatgagacga aagttcatta tggaatagca aaagctcatc agattatgcc gagagttaac 420
aattatatcg agtctgcaga tctcactagc cttgacttcc tgctgtcctg gaaggaaagt 480
agaagcaaaa ttgcatgtga accaactatg ggaggatcta gaagatccac aagggaagt 540
ttatgtcaaa tcccagaga 559

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<210> 11686
<211> 395
<212> DNA
<213> Canis familiaris

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<400> 11686
ggaactctga gttgcctggg acacggcaaa gcgagccgag 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 atggttttta gccacaaaaa tttgaggaag 360
tttgtaagc agcatatcag acatatttcc tcctt 395

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<210> 11687
<211> 371
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<400> 11687
aaagctgccc tcagatgtat tggcaaactg ctctcaggac tgtcctcttt ccacagaggt 60
ctcatttttc catggaatgt gcagaaagaa ctgggttggg atgtagaggt gaggagggga 120
taaagcagtg attaagaaga agaggacttc acaccagctt caaccctttg gagagacatc 180
tttattctgt gcatctgaag agaacagcac cagagtaagg ccaacattaa gcttgaagaa 240

```

```

tcagagtttg gcattcagga aaaaattctg atgaagccac tatccatgga gaaaaagaaa 300
gcaattaaata taattttaac aacanagagg ctcccaaatt tgtggataag tttggaccta 360
gctgtgcttg g 371

```

```

<210> 11688
<211> 528
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

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<400> 11688
acacctgctg cattcaagag ttcacatacg tctgcagtca caaagcctac agtatcagat 60
aaaaggctcag ggatggcgac agcagcagcc atcncagatc caggaggaag cncaggagaa 120
agaccatagg ggggtgattc ggcattgtct 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 ctccaccag cagtactgac tctttaggaa agagcctcaa 420
agccctgcac cacaccatgg tgcagagggt gacatctcat ataagactgt ggaggagatc 480
agtgtcatcc accctcacac aattcatctc aaatttctctg ctctaatac 528

```

```

<210> 11689
<211> 155
<212> DNA

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<213> Canis familiaris

<400> 11689

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gctcggcaaa gaaaagggag tgtctttgat gaccttgcac 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

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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 gcacttttagc atgagacagt cctggattcc attccaacag tttctcat    478
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<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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gagcagcgtc attccagata acattcgtca caagtttggg agcagcatgg tggaccagct    60
ggctctccgag gaccaggctc gaagggccat cgggtgaggtc tttgagggcc agaagagggc    120
aaactcgtgg cccagcagga tccagagtcc catggaaatc ncctccatct tctcagacta    180
ctatgatttg ggctacaata tgcatcaaaa cttgtttcaa ggggcccccc aggagacgaa    240
```

gagcctcatg aaggcctcct atactccaga ggtgattgag aaatcagtga gggacataga 300

gcacntggca tggcaggaag acggatgata tgggacggtg gcaccagaaa aatgctat 358

<210> 11692

<211> 274

<212> DNA

<213> Canis familiaris

<400> 11692

attttcatag gagctgtgtt tggttatatt ctgcagccca agttacatta ccctgggtat 60

tttaagctga tgacatgtta ctttcattct 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 gtggctggtg gtgccaattt cccatttggc caaaaagcat 120

cccggaaaac attgatgtag taaaccaaca ttgtctcact gaaaatccag ctactgtgt 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>

<221> misc_feature

<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

<220>
 <221> misc_feature
 <222> (289)..(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> (352)..(352)
 <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> (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> (411)..(411)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <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 tccccgggc tcagttatct tatctgcaaa 180
 attgttatgc ccatgtagat tcagcagaca ncaccgggtc ttcggataca tctttcttgt 240
 ctttctgccca ccctctgcnc cgtttcttgg ctccgagggg ggagtatgnc actgngactg 300

gctatttgag tcatccgagg aggagatgga gcctcgacat tgtccctctg cncggggcag 360
 gnccaggncc ggctttctgat atgggttctc ccncctgc 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 ggcatactct atcgtttgct gagggaggtt aatgcaccaa 180
 agcaaccctt atataatgtg caggtcag 208

<210> 11697
 <211> 589
 <212> DNA
 <213> Canis familiaris

<400> 11697
 agtaggacaa gcattgccct ggcctgcaag cttgccaaagc actaggaacc caaggaagaa 60
 ctctgtcatgc caatcaaacc tggtgggtgg atatgtgggc aggtgttgaa gaacttttct 120
 ggaagaatcg aggggatcca gaaagtaatc atggacctta tagatgagtt taaagatgaa 180
 ttccctacca tcctaagatt atcacagtct aatcagggtca gaaggggttc tttgtttgaa 240
 atcattttctt ttccagcaaa gactgcttta attagcataa tgtatgcttc atatgcagca 300
 ctcatatttatt tggtaatctg tgtaaatgct gtgctggaga agataaagaa aattttccaa 360
 gaagaagaaa ccataaggca aaacagaaaa gagaatgaaa atcttagaaa agccttttct 420
 gagcctgtgc tttctgagcc tacatttctt gaagggtgaaa tcaaagcaaa accttacagg 480
 tcattaccag agaaaccaga cagtatttct gatcgcccca aacttcctgc taataagttg 540
 agtaataaga tccaagtttt acattctgtg ttgaccaat 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>
 <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> (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 tcnnctctc 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
 ggcactccac aaatgttcac tacatacaag attctncctn cttcagttaa gtatctataa 60
 gcagctaaaa acagatttct ttcccgatcat caatttccta ggagacaact ccgaaaaaat 120
 ttcttcaggg ttctttacag taactgagag ggctgctgtg atgataaagg gataacgtat 180
 acagagtgtc ggcacaggat ctggcacacg atgctcaggg taagnctcca ttctctgtat 240
 acctggaccc aaactggaca caagaaaact catccccncc gccaccacct tcatcatcac 300
 catcatcatc atcatcatca tcttcttcat cttcatcact actgtcgcca gaaagtgcga 360
 ggaagaggaa ggagaaagga ttgtcgtaca tactnccnca acaaaagcaa aaaaggtcat 420
 caggaacaa aggaaaanca agaggtggaa aagcttttgt aactgctgtc tctt 474

<210> 11700
 <211> 232
 <212> DNA
 <213> Canis familiaris

<400> 11700
 gaaccagtgg attgcttgct gaacaacatc ccaaacttct atttgacctg atgcccata 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 ctacatgac ttgacatca caggtgatcg 240
tcgtcttaat tacaaggaat ttaagctggt 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
gaaggttaata cagctcttag gaaagattga ggcttccagt tctgagcaaa tctcaaattt 60
aaagatggtc cagggagatt atcgccatga aatgaacctt ttggagttca aatttaattt 120
actttcaaata 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 actccctcca 480
acaaatacag aaaacaaaga tggattttaga gaaatataaa gtacaaaaag acctaaagaa 540

attacagcgt aagatagtg 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
 aagaactgcy tcaatgccat caaggtgtac ggggatggag cgtgggtgct gtacgaggag 180
 cccaactacc gcggccgcat gtacctggtg gagcggggtg acttccgcag cttctcggac 240
 tgggaggccc acagcgcccg catccagtca ctccgcaggg tggtaactt cttctag 297

<210> 11706
 <211> 201
 <212> DNA
 <213> Canis familiaris

<400> 11706
 atgaagctcc tttggctgac tgtggctgca ctgctgctcc tgaccagct cactccaggt 60
 ggcacccaaa gatgctggaa tcttcacggc aaatgccgcc agaaatgctc caggagagaa 120
 aggacctatg ttactgcac 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

<220>
 <221> misc_feature
 <222> (72)..(72)
 <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> (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
 aaatgaggct ccatgtgggc tgagtagctc acccagagtt nccccgacag tgagcagcag 60
 agccagaatt cncaccaag gaaagccncc tccaaggncc gagcactttc tgggtgtggga 120
 cgcacaatcn gggcaagtgg tggaaagtgt ggaggggtcac aagtcacgga tgctggtggn 180
 ngcatcgccg tcatggtcac tgccaccccg ggcagagtgg aggagggtcag gtgaacaggt 240
 gtccagactg gtgcaagtga atggtccaga cccgagcaac aatagcttcc ctccctctcc 300
 ctgcgaagcg tcaactgtga ctaatgtcat agtgtgaaat gtctggattt tctttctttt 360
 tgagtgatgt gcagatattt ctaaaccagt tttgatgggg attcatttct agtggctata 420
 gaaataactca 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
 gtcttt 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
 gcaagcactt caccgggacg aagctggagg tctatgggga ctgtgacaac ttccaggaca 60
 gaggcttcat gaatcgggtg aactccatcc gcgtggagag cggcgccctgg gtctgttttg 120
 atcaccctga cttccggggc cagcagttta tcctggagca tggagactac cctgacttcc 180
 tccgctggaa tggccacaac gaccanattg cctcctgccg gcccatagga atgcatggag 240
 agaactaccg cctggaaatc ttcgagggtc gcaactttac tggccagtgc ctggagtttc 300
 aggatgactg cccctgcctg ccaagtcagg gctgggtccaa 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 gagccccac acctggccaa 60
 ncctgactct agaaaantgc ttccgagtgc ctgaccacgc actgatgacc accgggtttg 120
 ccagagcggc cctagccttg aggtggagcc agactcagct ggactgtccc agcctgaccc 180
 catggagcag gcctgccgct gccttgagcc cctgcactcc catcagagcc tggggctggg 240
 ccgggagcag tgtgcggctt tgcggggcgg 270

<210> 11711
 <211> 431
 <212> DNA
 <213> Canis familiaris

<400> 11711
 ggttgctggg acagcctctt tgaaaaggta taaagaaaga acaagagaaa aaccatcaaa 60

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agaaaacaga gacaggttta agaaaccaac agattattta aggtttttca tagggaattt 120
cctaaagact gctctgtctc gacggatcct ggtcacctac ctcagccgta ggggtgacagt 180
tgaagccata gacatttggt tatttatgga gataattccc taaatatttg atattcttat 240
aagggttttg ttttaaagca tcttaatctt ttcagacacc gacaccgaat gcctttaaat 300
ggctacagat gcttaacatt caatattttc atcagtttag ccggagccta ttttcacct 360
gttctaataa ctttcagatt ccatagccag taagatcatt ccaacttgca gcttaagacc 420
cattttcctt a 431

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<210> 11712
<211> 526
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<400> 11712
aaggttatca ggacacccca tgggagagnc tttgatgnct ctttggaag atgtgatgag 60
tacttaagct caaggtcatg tagcaagccc cagcattcag caaggacctt actagtccat 120
tcagcacctt caacaatgcc gaagcattct ccaagccctg tgttaaatag agcttctctc 180
agggaaagat tccattctga ttggtgttca cttcaaact gcgatgagat ccatgaccgg 240
gatgagagag acccagagaa ggaagacgaa ctggaactga aaagaggtct ttatacaga 300
gactctgcct acgacagtga cccagagtat agctcatttc agcggccacg tggcactctc 360
catttgatg atggtgaata ctggtccaac agggcagcct cttataaagg aaaatccac 420
cgacccgtct ttgagaacag catggacaag atatacagga acttatacaa aaaggcctgt 480
agttccgttt ctcatacaca ggaaagcttc tgataccatc catgat 526

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<210> 11713
<211> 462
<212> DNA
<213> Canis familiaris

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<400> 11713
gagtgggtacc tacccagctg agagagctgc tgttctactt gacattctaa tgtccaaagt 60
caaggacttc ttcagaacat cttgatacaa catcatggag ctttgtccat gaaatcacat 120
caagaatata aagcattgct tatcagcctg ggtcagagtca ctggtggtct gcggaagaac 180
agtgtgtgct atggtagggg aataattgtc atcacgaacc ttcctgggac tttggcaaaa 240
tgccatcagt ctttcgcagc taaatgttag ctccccccac caccactggt ccaccaaccg 300
accagataa catgctcatg cagcgtgcat gaaaatacta gaaataactc ccttttaagc 360
tatcccgat tatataaaa ttgactcttg aaagtaactg aatattttat ttacctctat 420
gatctgatct gagatataaa cctattgtgt gtgcttcattg aa 462

<210> 11714
<211> 193
<212> DNA
<213> Canis familiaris

<400> 11714
gtggcgaaat tcacatactc gctgtatgtg gcagatgaca ctgagccaga ggagaaacct 60
gtatgctacc ctaaggatgc aggacacat 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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agagtggcca agcttgatt ccaaagggtg aatgaagact ttgtgaggaa acccgactat    60
gcgctgagtt ctgtgggggc ctccatcgac cttgagaaga catcacacga ttatgaggat    120
gcgaacactg cctatttctg gaatcgcttc agcttctgga attacgcacg gccgccaacc    180
gttatcctgg agccagatgt attccccggg aattgctggg cttttgaggg cgaccagggc    240
caggtggtga tccggctacc gggtcgtgtg caactaagcg acatcacctt gcagcaccca    300
ccacccagtg tggcacacac cggaggagcc aaaagcgccc cccgcgactt cgcagtctac    360
ggcctccagg ttgatgacga gactgaagtt ttcttgggga aattcacctt caatgtggag    420
aaatcggaga ttcagacttt ccatctacag aatgatcccc cagctgcctt tccaaggtg    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

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gatacctgcc tctaccgaat ttgttcaaca gccattccta gagctgctaa tagaagaaga    60
caggaagtct gacacattca agaaatttcg acaagatcaa atgggagcta tctggaatac    120
tgatctgtcg acttcaagct acccaataac agagaagaca tcaatacatt tgctctgggc    180
ccagctgggt gggtagccag atattcctat gctactccaa ttagangttc aatctacctt    240
cagaaaatct cttgcatcca ttaaatacag gt                                           272

```

<210> 11718

<211> 498

<212> DNA

<213> Canis familiaris

<400> 11718

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aagcgagatg gctatggcac cctcagcttt tctgaccaag agatgggaaa gcacaggaaa    60
gtatactctg gctggtggaa aggcgataaa aaatcgggct atgggattca gttttttgga    120

```



```

cccaaggagt attacgaggg tgagtgggtgt ggtaaccagc gcagcggatg gggccgcatg 180
tactacagca acggtgacct ctacgaaggc cagtgggtga atgacaagcc gcatggggag 240
ggcatgtttgc gccagaagaa cggaaccgc tacgagggct actggcagag aggcataaag 300
aatgggtcgg gccgtttttt ccacctggac catgggtcaac tgtttgaagg cttctgggtg 360
gacgacgtgg ccaagtgtgg cacaatgatt gactttggtc gcgatgaggc ccctgagccc 420
accagttcc ccattcctga gatcaaaatt ctagaccctg atggtgtgct ggaggaagcc 480
ttggccatgt tcaagaag 498

```

<210> 11719

<211> 163

<212> DNA

<213> Canis familiaris

<400> 11719

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cccaagctgc caggaaagga ggagaaaaag aagcttcagc ctctaaatca gcatgatgca 60

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```

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

tagcgctact gttcttctgt gtgcgggtgt ttgcgcactc gtagtgggcg ttttacttgc	60
agctttgaag gatgtcgttg cctacatatt taccagtgc naaagatatt atttaccttg	120
tgagccaagt gatgcctant ttttgctccc tttcatctat ttgatgcact tgcagtctct	180
ggctctggatt gatagtctgt gnttttcttt cangcccttt tntatatttg tgctcatctg	240
gaagacaaac tgggagagag ttgccgagca ggcacaggtc cgagctgggc tgaaggggat	300
catcagagag accacgccgt caccagcaga tctgcctgtc ttggagaaag aagtaaccga	360
tggagtcatt ttancctgat atcatcacac ccgagagcca gaccctcaa ttaatgggga	420
tagagtgaag ctgagaagca ttcagtaaaa gtaggaagg aacagtccag agagacacat	480
gctcttttaa aagactgaga ctttatcatt caactataga acatttcctt ccccccacacc	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 gtgacagggtt cttcttcagg 60

aagttggatg aactctgctg gacaagtctt caggccttcc ctcttcctct gtccatacct 120

taagtcacca aacacaattc aaatcccttc agaagagcaa cttttgactg tcaaataatg 180

gtcagtgaaa attaccacaa tcaaggaatt caatcttcag ctactataga ctttcaant 240

cactgaattc tcagaggctg tgaccttntc tctttncat ttgttnacct ttcctaaaga 300

gtcnccaacc cctgaagaca aagggtcagg atggtaggtc tgtatcaggt aatctgccac 360

cttagctcca atgcttggc tagtggtg 388

<210> 11722

<211> 50

<212> DNA

<213> Canis familiaris

<400> 11722

agccaccgct actgaggagt ggccttgtat taaatcactt tgctgtctgc 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 gtgcttgca gaaagtctca gaaatgactg gactccatgg	120
tagcacctaa ctgatgctcg tctaggacca tgaagtagag gacagagtat ttctcaaagg	180
aagggnatt gaataaacia cagganatt ntactcatcc accatcctca aaatctcctt	240
tgttt	245

<210> 11724
 <211> 557
 <212> DNA
 <213> Canis familiaris

<400> 11724	
gtatcctgat atcctgaatt ttgtggatga ttggaacat ttagacaaag ctagtaaagt	60
ctctgtagaa acgctgaaa agaatttgaa gcagatggga aggcagcttc aacagcttga	120
gaaagatttg gaaaccttc cccctcctga ggacttgcac gataagtttg tgacaaagat	180
ctttgttatc agcgcaaaag aacaatatga gaaacttcta aagttacatg aaaatatgga	240
gaagttatac cagagtgtga tgggatacta tgccattgac gtgaagaaga tgtccgtgga	300
agactttttt aatgacttga ataatttcag aaccacattc atgcaagcaa gaaaggagaa	360
catcaaaaaa agagaagcag aggaaaggga aaaacgtgcc caaatagcca aagaattggc	420
agagaaagaa agacttgaac gccacaacaa 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 ttcttcaag atgaatcctt taaaccaagt gttcaggcgc cccaatatta	60
agttgtattc caacaactta ttgcttcatt attggaaggg tgtcagacac acagtacctg	120
cattattgct cgatcttgca ctgaggttga 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 ttctattctg cttctgtgat tatgacagca tgagaccatg 350

<210> 11727
 <211> 349
 <212> DNA
 <213> Canis familiaris

<400> 11727
 tatttgccat tctccaatct tctgattgct tgagtccttc tacatggcct atggctgtag 60
 ttgtactgcg gggttacagt agctggaatt tcgctgtgga tttttatggc caaaccaccc 120
 ttgacttccc acttagcttt ccatttgaa aagagatgct aataaggaaa cacttatcgt 180
 atgtattccc gctaggactc acaactgcc cctgtcact aataagtgcc accatgttct 240
 tctgtgaaac atctttcaca aaacaatgga atcaagtga 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 tgnccaagac agaagtaatt gtttcctcag atacctctgt 120

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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 ttttaatttat tgtctctgga tgaagaaata 420
gttatttgta agatttcaaa tacatgggct ggatttatta gggaactatc taccaatgct 480
gataaatttg gaatccagtt tccacttgat cttgatgtta agataaaagc actgatgctt 540
ggagcaagtt tcctcattga ctac 564

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<210> 11729
<211> 219
<212> DNA
<213> Canis familiaris

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<400> 11729
tgtgttggcg gctgcaggcc ttcggggcct ggttcggctg ctgcacgtgc gagctggctt 60
ctgctgtggg gtcatccggg cccacaagaa ggccattgcc accctctgct tcagccccac 120
ccacgagacc catctcttca ccgcctccta tgacaagcgg atcatcctct gggacctcgg 180
ggtgcccac cagcattacg aattccaggc cagccagct 219

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<210> 11730
<211> 537
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<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
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 tccaagagat gttggatcca aatnaatcat caaaggctgc aaagcaaagg acagcatcnc 120
 cattatcaac aaaatttttc aaggacaaaa ataccatcat ggatgagact tttcaagttg 180
 gtgctcctca gagttatcac ggactctcag acaattcaca attctctatt ggcaatgagg 240
 aaaaaatttt caataatgaa cacagcattg atgagagtta ccagatcggc agtcctgagg 300
 gttttggaaa gaagaattcn caaancgatc aatataaaaa actgtcaatt ctggacaaaa 360
 tccttcaaaa cattinggaaa atctnagggc actctttgca gtaaatggaa gaggagggnn 420
 aggctctgaa gaggtgcaga gggcaatcag cacggggcnc 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
 ttggcatgg gcaaggtgac ctataagccn cnaacttcta gcagagttac agancaaccg 60
 actccaagca cctcagggag aaaagagaag accccctttc aactcgggtc cagagacagt 120
 gacatggtag ccaagacaat tatgaaagct aaaagatatc ctcaagggag tttaagagaa 180
 gacacctctt ccagagttcc catcccttta attaattcta agaaaaccaa aggatcaatc 240
 ctattcagcc attatcacia gctgaatgaa aagctgaatc aaaatgaacc caagcagtcc 300
 caagagagtg tagaaaaacc caccatttca 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
 gagaccaac atagaactct gccgggacat ggctcagcta cgtcttgta atgaagtgt 60

tgaggtggat gacnccatcc agaccttnca gcagcgctg aggggaagcgg 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 gagaagggtg cgcctctgga	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 gcccactcc acctcactct	120
cactcaaaag agcatcaatg gaaatatac catcagcacc aaggacagca gccctggctg	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

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aggcaaactc tcactatata ggcaacaggc atccattata tctcgtaaaa aagaagccaa      60
agctgaggaa cttcaggaag caaaggagaa gctagccaac ctagagagag aagtgtcagt    120
gaagacaaat cagacccgtg aatttgatgg caccgaagtt ttgaagggag atgatttcaa    180
acgatatgtc agtaaaacttc gaagcaagag tacagttttc aaaaagaagc atcaaataat    240
agctggattt aaagctgaat tcggtctctt acagaggaca gaagaacttc ttaagcaacg    300
tcatgaaaat attcaacatc aactgcaaac cattgaagat aaaaagggtg tatctggata    360
tagttacacc caggaagaac tagaacgagt gtctgcactg aagaccgaag ttgatgagat    420
gaaaggccga acactcgacg acatgtctga aatggtaaaa aaactgaatt cattgggtatc    480
tgaaaagaag tcagctctag cccagttat aaaagaacta cgacagttgc gtcagaaat      539

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<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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aagtttctga cttcatttcc ggatggaaca acgcaaatat tctacccatc tggaaaccta      60
gccatcatcc gagtgcccaa caaatcagtg 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 ttgcgcatctt agaacaagac    360
aagatttcag tcacttttct agcaatgggc caacaggcaa gaatcagtgt tgggaccaa      420
gtgaagctac ctaaccctga ggagattcca gttctccgat acctgaatga ggatgacctg    480
ctgctactgg ccaatttaat caagattcga cgcctgtttc at                        522

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<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
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 ggtcgtctca gaaagcagcg aaactgtttc atccttggat tcattcctca taacaaaatt 120
 catggaaaac atcagtgagg aagaacaaat cagtatcatc aagggtggcct cagaactagt 180
 gacagcgatt gggcgggtgga gaatattgag gatgaaattc ctgaagagga agaaacctca 240
 ggtccnnaag cacaatgagg cgngaataca caggaggggg tccctgggtgc agttggagta 300
 tacctgctac tttgtagact gagt 324

<210> 11739
 <211> 538
 <212> DNA
 <213> Canis familiaris

<400> 11739
 gtctcaatgg tcagcatagc ccaagccccc ctgaaatcga aagatgcact tatccatttt 60
 ttcttggAAC aaagcttact ccaattagca tgtattcttt aaaatccaat catttcaatt 120
 ctgcagtaat gcatttggat tattactgca acaaaaaataa ttgggcacca ccagaatatt 180
 atttatatcc aacaacaagt caagatggga aagtactctt ggtatataaa attgttattc 240
 ctgctattgc aaatggatcc cagagttact ttatgccaga caaactctgt actacattag 300
 aagatgcaaa ggaactggca gccagttta cattacttca tttggactac actttccgtc 360
 gcagctcaat aaatagtctt tcccctgtta gtgctactct ctcttctggg actcccagcg 420
 tgcttcctta tacttcaagg ctttattctt 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 caccaggttg ccataaaacc aagagtgtgg taaccttaga taatgactct 180
ttgattcaag ttcaggattg ggatggcaaa gagaacacca taaggagaaa gttggtggat 240
ggaaaaatgg tgggtggaaag tgctgtgaac aatgttacct gtactcggac gtatg 295

<210> 11741
<211> 136
<212> DNA
<213> Canis familiaris

<400> 11741
cgcggaatcg aggagaatcc taaggaggaa ttggacagct gagccgcat 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 ccaggggtgga 120
tggtcccaaa catacacgca aggacaaaaa agggctgccca tacattcatg gccaacaaac 180
agcttttagaa aggggtccaga tgttggggag aaaggggttaa aggaattagg caagtcttct 240
gttgcggccca 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 gacctcgggg    300
tgccagtagg ggtgacctca agtgtgaccc ctaatctctc atcatttgcc cgattgtaaa    360
agtacagact tcaactgcttt ctctggaaac attttttctc tctctagatt agaaaaatat    420
gcagatggcg ctgtaatgtc ctatttgc                                     448

```

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<210> 11744
<211> 560
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<400> 11744
gatgtctgat gatattgcct ggtacncanc ccaggggggt gtgcaaggta gatctctaca    60
gcccaacagg ncagcaagat caggaccgga aaagtgatat gctttgttga tgtgccaccc    120
tgaatgtgga agataaagat nccaaggatg ctgctgggtc cagttcagaa ggtgacttaa    180
ccttgggaaa tctggaagaa aaagagatta ttgtgatcaa ggatactgag aagcaagacc    240
agtctaagct tcctnaagtt tcagctaagg cggcagagaa ggggtacagt gtaggggatc    300

```

```

ttcttcaaga ggtcatgaag ttgccaagg aacgacaact ggatgaagcc gtgggaaaca   360
tggttaggaa 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

```

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<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

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```

<400> 11745
tgcaagtgcct gtgccatagg tacatcctct acaggcgctt ccagcacctc cgacaggaag   60
tgatcaacca catacaagtc atccgagaaa cagggactac ctacaaggcc cagaacctct   120
atgtcttctt cgaaaacatc gacaatctgc agaacttctg gctgcaggcc tggacagaca   180
agcagaagga agtggaggag aagnaccgag agtgctgag cagcatgggtg accatgttcc   240
ccaagctcca gctggagtgg aatgttcacg tgcacactcc tgtgggtcacc 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 cccccagcc tgctctggga ccagctagga gggtagccag   540
atattccccg gctgttggcc ttgga                                     565

```

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<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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aatggtggtg tgtcctctga tagatgtcat tgacnctatg acccttgaat accagtcctc    60
tcctgttgta aggggtgctt tcaactggca tctagatttt aagtgggata gtgtttattc    120
ttatgagatg gatggaccag aaggaccac tagaccatc cggtcacctg caatggctgg    180
aggaatTTTT gctataaaca ggcattatTT taatgagatt ggacaatacg acaaaggcat    240
ggatctctgg ggagcagaaa atttggaact ttcactgagg atctggatgt gtggaggcca    300
actctttata atcccttgct cccgagtggg acacatcagt aagcagcgct tttcaaacca    360
acctgagctt gtaaaagcca tgacatataa taatctcaga ttggtgcacg tctggctgga    420
tgaatacaag gagcagTTTT tttacatca gcctgggtctg aaatctgttg cctatggcaa    480
cattagttag cgtgttgaac taaggaaacg attgggttgc aaatcatttc agtggtatct    540
ggataatgtc ttcccagaat tggagacatc taagggcagc ctat                    584
```

<210> 11747

<211> 52

<212> DNA

<213> Canis familiaris

<400> 11747

```
acaattgtat ttccaatac 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>
<221> misc_feature
<222> (181)..(181)
<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> (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
 ataaggcagc gcatgccagg cacagacgtg nagctccgtg cccggcggtta cctgcaacaa 60
 ctcagacgcc tccatgcagn ggagccagag gctggggcctt cggcccgagc aaaagaccct 120
 gaagcacttc cggagnccgn cccagncccn actgtggggg ctgctgnctc gaatgggcct 180
 naagtgtctg aggccgccct ggctgtctggg gctgagggct tggccccagc tgaggtgcca 240
 gctgggggnag gcgaagcccc tgcagatagt ggtcncctgct ctagatcacg gctgcgcctt 300
 ggacgagcca cgtgcacctg cggccacccc ggaggaggag caggccctgg cacctgcaac 360
 nggggtcccc agagtgccag agccgccaat tncctctngg acaactggct tcaacctctg 420
 cgcagccccc tgacctnctc gggagcccg cccagctccc accgcanggc tcgtcatgcc 480
 tgcagcccaa tngaggcttg cccttcccg 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
 cccagaaga gtcaaaggct aaattacaac agctggaggc ttctgtgtga gtccaagaga 120
 aagaactagc caaggctcatg 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

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<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 11750
ggaatccagg gattcttcta tccatngagc tgtanaggag atgtgtngga ccggganagc 60
tgtngggggc aggccgcaat cgagaatccc aatctctgtc tgngtctacg ctgctgctac 120
cgtgatgggg tctgctnccn ccagcggcca gatgaancta tgcggaggaa gcatatgtgg 180
gcgctggggc ggacatgtgg aggcctcctc ttcctaattc ccagcatctg cttgttctgg 240
tgggccaagc gccgggacat gctgcacctt ccagggttct taaagggcaa atgtgacctg 300
tcgaggaccg tctctctgtt atccaaggac cggggggactc tgagtgataa aaagacatct 360
gcgggcnagc gtgccaacct cccttcctac ggaggggaac gcggatgtgt caggagccac 420
t 421
```

```
<210> 11751
<211> 443
<212> DNA
<213> Canis familiaris
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```
<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
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<400>	11751						
aaagcaagtg	accagatggc	tccccaggg	gaagccactt	aggacatctg	cttcttggcc		60
atgaccttct	aggactcacc	atccccagaa	tggaaacatt	ttctgcgtag	gattaaggac		120
agtttangnn	aagcgtgcg	cacccttaga	ctggtgggct	ctcctgaacc	tcacacatac		180
attatcgagg	ctggcaagag	gggcccccaa	aagcttggat	cagccttcta	ggccacaaag		240
cagcatgcca	ttagaatcag	gagactaaac	caacgccagc	cagaggatcc	caaaggtcac		300
gttcagatgt	gtaagaagaa	aaccttaatt	gtacagtgga	gcacagaggc	tctacaggag		360
acatcactga	gaagccatgc	tgtccccttg	aacttggaac	acattctgtc	tcaccttggt		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
 taccggaact 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 ggcattccagg gcgcctacgg cctgaagacg 360
 gacggcgagg gcctcgcggc caacgagatg atcaacggag aggatgaaat ggagatgtac 420
 gacgactatg acgacgatcc caaatcagac tatagcagcg aaaacgaggc ccccgaagct 480
 gtcagtgcc aactgaggagt gtgtgtttgc cgaatcaaag tacttggaca tttcacctcc 540
 cctctcccc 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 gtggctcgtg acctccttaa cattgtcaac 180
 cagaaagcct ccctgtggaa gctggatctg tgcaccacgg tcttgccgca gatcgagaaa 240
 cttctgcaga gcaagtatga gagctatgtc cagaccggct gcacctccct gaagctgac 300
 ctgcagcggg ttctgcccct gatcactgac atcttagcag cccccccctc 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 gtgaggggtac 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
 accttttcca tcngccttgc agtcatgagg agacaactat tgtaaataaa 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
 acaggcccg g attatataaa ggatcatgta cctaaagttc atcagcacac ttcctatata 120
 ggagaaaagc gccagctatt ggaaaagact ggagatctca gatattttatg 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 cggaatggtt ctttaagcct tctcttatca agtccatgca 60
 gctgggcctn cacaccaga cagtgtcctg ccttaacaag tgtgacattg ccctcaaacg 120
 ggatctcatg gggaacatcc tgctgtgcgg gggcagcact atgctcagcg gtttccctaa 180
 ccgctgcag aaggagctga gcagcatgtg tcccaatgac aacccccagg taaacgtggt 240
 gcccgagaga gacactgcag tgtggacggg cggtccatc 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 gcgagcacc accctacaca tacggagctg agcccacgtn 60
 cngctcctgc agtattaaac gaggccttggtg 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

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cgtctgtccg cncagcgtg gcacgttaat acgaccccaa gaaatcctct cgagtggtna    120
agagcccacg aatttgggag ccaggtcatc aagctctccc ccaactgcta gagtgcacagc    180
gaagtacagg agcctcatct aacatggagc tggacttgat gagatgccgt ggagttccat    240
cttaggtgca tctaacgtga actagttaaa tagggcagaa ggttgccagc cacagttcng    300
tgcaagtgtc agatgggaga ccagactttg ttctctttgg ct                        342

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```

<210> 11761
<211> 300
<212> DNA
<213> Canis familiaris

```

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<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

```

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<210> 11762
<211> 290
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

```

```

<400> 11762
agagccacgt ggttccgccc gttctgcgga agactgagca ggatcacggt ggcacaggaa    60
gagacggctg gatagtggac tatttccaca tcttcgggca aggacagaga tacctgaaca    120
ggagaaattg ggcaggggca ggncattcct tccagcaggt gaccgggcat gattactaca    180

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atgcagaact gaggatgatc aggggggttca atggccgant ttggctaccg ccgaaacacc 240
ccnagccctc cgccagcgcc cgtcggtctt tggagaggtc acccagttcc 290

<210> 11763
<211> 393
<212> DNA
<213> Canis familiaris

<220>
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<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 ncatttccttc 180
cagcaggtga cggggcatga 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 ttctgcccc acactaatgg ggacagctgg 60
tggctagggc cctccatggg ctcagggtcac ccccttgact gggctcccct tccttcctga 120
gagtgtctcg ggccctccgt gccctccac tgggtgctct gcaagcgtgc gacagccgtg 180
ttcctgttct caaagcagga cagcactgac ctcccccggt tctgtggcat aagctgtgta 240
actgagcatt acagacattt tagcatc 267

<210> 11765
 <211> 425
 <212> DNA
 <213> Canis familiaris

<400> 11765
 aggcccttct cctactgaga tggactgca ggcgccctat gggaaaagtg gtgaagctgg 60
 tggggctact ggaaatcaca tttccatcat gtgcataaag ctggtctact gtggaagaga 120
 atgacattga ccagcaaaaa catgcagaga ggagacaaag aaattcccca gatcgctga 180
 atgtctggct ctggttcctg agttccctga gaccaccctg gttctcacct tccagaaatc 240
 tagtgcgga gaaccatccc cctctctcac gcttgggtga agaagttcat tggaacagct 300
 gcttttctcc ctcttggtta 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 caacctcng ctgcgatgna accccagtta gaagagactc 120
 agcaacgagc cacaccctaa gtcaccttg caaagaaccc catctggaca cagggtgata 180
 caggtccttg aggttgccct acagacagca aaagcaaact gaagagnttc tttcgaaagg 240
 aaaagaaaac acctgtagag catacangag gcaggcagat ttcagagcag ctgctatgaa 300
 ccaactctgc aacctgtgaa gacacatggg agccctgcac ttttctgac ccttggaatg 360
 actcagctgt ggagcaaggg catccagggc aaagactcat actgccnacc tgctgcacca 420
 cttgcctngc tctgcagacc tctgagcatc aggggaaggac 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
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tcaataaaca gccaaagtctc 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 gaccagctc aaagccctgg cccctggatc ccaggagaga agtcat	357

<210> 11768
 <211> 128
 <212> DNA
 <213> Canis familiaris

<400> 11768	
ggagagaagc tcatcgttct ctgggggtggc tgaccagtga ccgtcagagc aggaagccct	60
cctccctcct gcagctggca caccagggct gtagcaagca gcgtgtaaata 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
tgatggcat ctcatgagt gacgaagtgc tgagccagct caaccactc tttatcatca	480
accatcgaag taacttacc cagcctttgt cgacacctac caccagcca ggtgataaac	540
cacctcaac cacttacaat atcattgaag cagcccatgt gatctccac	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
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 ctgccatccc agctagagct atgtgagcag gtgtttgggc tctcagcctc atctgtagtg 120
 caggctgtgg cccagacaaa ctctactac ggtggccaga cccaggggc cacccaagtg 180
 ctcttcatta acggggacac agacccttg catgtgctaa gcataacaca agcctcaggt 240
 cncctggagt 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 aggagttcg agagagacct ccggcgttat gcctctcatg 180
 agcggaagat gatcctggat aaccatgcat tatatgacaa gaccaaggta gataaaactt 240
 tcaactatgtc agcattgaga tatttaaaaa tatctgaatg cacatatctc tttttatact 300
 ttcagaaaat attcctcaaa gcagaaagtg aagaagaaat ttttgacat ctgggattgg 360
 attacattga acc 373

<210> 11772
 <211> 402
 <212> DNA
 <213> Canis familiaris

<400> 11772
 ctgcctgcag acagagaagc gtcattgggt 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 gccattggc 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 ggcgccgag agaccttcgt 120
 gcctga 126

<210> 11774
 <211> 97
 <212> DNA
 <213> Canis familiaris

<400> 11774
 agctacagca agtgaccatc tcctaagacc ctctgcca 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
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 tggaattgct ggcagatgtt cagtatgcct tcgggcttcc cttctatcct gtctacgagg 120
 ggcagtttac tctggaggag aagagcctgt cgttgaaaat catgcagttc ttttccaact 180
 ttgtccgatc tggaatccc aactaccgc atgagttctc aaggaaagcc tctgagctcg 240
 cagccccctg gcctgacttc gtcccgcgca ctgntgggga gagctacaag gagttcagtg 300
 tcctgctccc caatcgccag ggctgaaaa gcgctgactg ctcttcttg 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 caggtttagag 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 ctaagcgggtg cagtaatctg agtacctgtg tgctgggcac 60
 atactcgaag gacctgaaca actttcatac attctctggc atcggcttcg gggctgaaac 120
 acctggcaag aaaagggaca tagccagcgg cttggagagg ggccgctaac ctcgctttgg 180
 ggtgccccag gatgccaaact gatctccttc cactccttcc tgacttccct tcttgctccc 240
 attgatgaat ttaatgcatg cagatttcac ttggattgct cttccagctg gcattggtag 300
 ctttgcttgc gagagagaat attggggatc tcaggatgga aggggaagtga 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
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 cgagaatggg tcaactggctc aggaccccag ggagcaaggc cctcccagtc catgctgtgc 120
 agacctcagg cctcacaaag ctctgcagtt gcccctcctc actaggcatc ctcttggttc 180
 tgctcagtga atccttggcc ctgctagcac cccacctac ctttcccacc acttgagatt 240
 gcacccccac cctaaagcca ggggccggga agcaaacagc tcttctgtga agcaaagctc 300

agcatggagg cggctagtct tggaaggcag ccaagctcgg tcacctgcct ggtggacatg 360
gagtgtgggg cagggggccag 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
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tcttgtttct cttgggtctg caggctgctc tgtccatggg tgttaggtct tgttccactc 120
cncatcaagaa 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 acatgggttaa agtaatgatt gtcattgtttg 120
caatttgttt tcttgc aaaag tcagatggga aacctgttaa gaagagatct gtgagtga aa 180
tacagtttat gcataacggc aaacatctga gctccatgga gaggggtggaa tggctacgga 240
agaagctcca ggatgtacac aactttgttg cccttggagc tccaatagct cacagagatg 300
gtagttccca gagggccccta 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
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acaagctgct aacattttca agctcttaag attaataaat gccaaaattt acatgtaatc 120

cattgttagc catgatagct gaaatttttaa ttgatntttt tgattctagt ttaattcatt 180
 taagagctct ttttaattggtt ctatttctat tgnttattct ttttaaagta tgtttttgca 240
 taattttataa aagaataaaa ttgcactttt taacctctct cccatcttat gatgcaaaat 300
 aaaaattttaa tgatcataat tttaaanann nttnnnnnna nnannncnnn nnnnnnaact 360
 ctaagcattc agtaacttca cattctttat accagaaagg aggcagactt tacatctcat 420
 tagtactaaa caaaacaagg aaaaatgggc gcccttttaa 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 gaccggtccc 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 gcccgaagtg gggcccacac	300
gganccctgg acctttgtga tngtgaaaga cctggatgtg aannacaaga ttcganagat	360
cattgaggag gaggaggaaa taaactatctt 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 tcctgggtcat 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 gaccctgtg tgaccaaccg tctggaaggc	120
tggttgccca gagctgagcg catggtgaaa	150

<210> 11785
 <211> 566
 <212> DNA
 <213> Canis familiaris

<400> 11785	
ccccgtgtgc agagatatca atgagtgtga agacgcgagc cccccccct gtcacgggtc	60
ggcccgggtgc aggaacacca aggggtggttt cagggtgtgag tgcacagacc ctgagggtgct	120
cggggaggac ggaacgacgt gtgtagactc cgggaggctc ccgaaggcgt ccttgggtctc	180
catcgcgttg ggcacgtgctc tggctggttg cctggcgggt ctcacctgga cgctgggttg	240
cagggtgggca catgcggggc gcaaagcctc actgagcatc gcggagttgg gcggaagagg	300
agcccccccg ccgggccgtg gagcggggcca ggacggcgcc tctggcagcc tgggtgcccc	360

cctcggggccg cagggcagga cccggggccgt ggaccccaca tccagtagga gccacgtggc 420
gcaggggaagc ccggcatgag caggggcagc tgcggggccac ctcctgggag cagaggtcgg 480
tccccagcac gacggggggac ggtgttccct ctggaaacaa ccccgacccc cacgtttcta 540
cctaataaag tgtgtgccgc ttcccg 566

<210> 11786
<211> 232
<212> DNA
<213> Canis familiaris

<400> 11786
ggctccccag cgacgtatc gaaaggggcc gaaacttcaa gattgtcacg gaggtgcagc 60
aggatggaca gaacttcacc tgcgttttgc ttctcttcca ggccaccgtg cacatggacg 120
gggggaagat cgtggtggac ttccccaact atcaccagac ctcggagggt gtgggtgaca 180
aactggtgga gatctccacc atcggaacg tgacctatga gcgtgtgagc aa 232

<210> 11787
<211> 381
<212> DNA
<213> Canis familiaris

<400> 11787
gagaagttct tgggtctgtt gccactagt gtcctggcgc tgctggggct ggcctgcgtg 60
cagccttctc tggccagggg gtcgaaggcc atgaagttcc aacggcagca catggactcg 120
caccgcccgc 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

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<400> 11788
gtgcactttg atgcgtgtct gtagctctcg gcctgaggcc agagaancgg gcgccctgtc      60
gcaggtggca cctgctaccc ctcccctgcc ttcctgtctt ggggaatccc tgcagccggg      120
gctcctccgg cttgctccca aaccggggct gccctgccca gggctgctcc gcttggtcgg      180
ggggcggggg ccccatgtta gccacctcac cgcttctttc aataaag                      227

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<210> 11789
<211> 262
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (139)..(140)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

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<220>

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<221> misc_feature
 <222> (191)..(191)
 <223> n is a, c, g, or t

<400> 11789
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 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
 ctactgtcc tgttttctta ggcactgagg gatctgagta ggtctgggat ggacaggaaa 60
 gggcaaagta gggcgtgtgg tttccctgcc cctgtccgga ccgccgatcc caggtgcgtg 120
 tgtctctgtc tctcctagcc cctctctcac acatcacatt cccatgggtg cctcaagaaa 180
 ggcccgaag cgccaggctg gagataacag cctcttgccc gtcggccctg cgtcggccct 240
 ggggtacat gtggccacaa ctgctgtggc cccctgtccc caagacactt ccccttgtct 300
 ccctggttgc ctctcttgcc ccttgtcctg aagcccagcg acacagaagg gggtagggcg 360
 ggtctatggg gagaaaggga gcgaggctag 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 ttttagtaa catgtttcat ggggaccac tgtacagccc ttcattctgc 120
 tgtgtcagtt tggcctggcc tgacactggc tgccccagcg gggaccacgg aagcagagtg 180
 agagccttcg ctgagtcaat gctaccttca gccccagacg catcccatit 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 tccaccatit atttgtgatt ttgtaagagg gttctcttct 60
 ttgtcttggt 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
 aaatggtttag 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
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 ccncaaggac atggactcta ttgacacact anccctagca nctcagaaga atgncctgac 120
 ancatagaag ttgatttngc aaatgtttng ttgaaagaat aagtgattga atgaatgaat 180
 agaaactatt ttnccttatct atgtgccaat agtagnccag gtagaaaata taatggtgat 240
 gaaaagagat tgataggaac aaaaattatt aaaaagagcc taggagtaaa ctttaaaaat 300

acgtaggacc tacattcatt cattgactca gcagtctata tcaagcactt aactctgcca 360
 ggccactatga ttttaaggat aaataaggca aacatgatcc ttgcttggtt 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 attattttaa aggcactatg 60
 aaggtagaac actaccttaa tatttntatc ctagtcagaa gcctgattta aactgaact 120
 ttgaaggga gcttagctgt agctcatggc ttcaaagat tagaagaaac atttactggt 180
 tctatggaaa atagtcttct tgctaggtag attggaaaca aagaaattgc attggtggtg 240
 ttaaaatcta acatttataa caaatcctgt ttatttctag atgaaatact tagacaattc 300
 ttccagtga aaccagtga cttttttaac 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 tgcagttagc caaagcaaaa cataatagaa taaaagccag agactgtata 60
 tatttataaa ttagatccta atctactgca agnataactt ttctattttt aactatataa 120
 aataacctct gtctcagcat ngggactgtg ttagcaacta ttattgtgga ataaccaga 180

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acattggatt tataccaaca aataggcaat attaatacag tgtattaata aatttattac 240
aaattattaa tacagtgtat taataaattt attacaaatt attaatacag gtaaattgttt 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

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<210> 11797
<211> 523
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (375)..(376)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (445)..(446)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

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<400> 11797
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tgcattgctt tctatgcttt ctctttatag attactcttg cctgtctttt agttacaaca 120
attttataca gactttgttt ttactataga tattttcttt aaatactttt tctttgaatt 180

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caaaaagaaa tgcaatgtaa gttaaagact ctaaaaataa ccaaattagg acaaagattt 240
tagcaatggc aattaaagga aggacatgac attcaacagt gaccatagaa ttcccttttc 300
aagggagatt caggtangta tttgcatttt aaagatgctg ataagtcttt cagttaataa 360
anccttttagc ctganntttc atacttttgc ttgagcattt gaaacttttc tcaagttaga 420
atattatgct agaatgatat ttttntnttt ttatgctata atgttgcgtt gatcttgggt 480
attcaaaaat gtgctgaaac tacagtaagc tcacttcttg ggg 523

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<210> 11798
<211> 283
<212> DNA
<213> Homo sapiens

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<400> 11798
gtgctgtggc caggggtgaga gctgctctgg aaaatgtgac ccagatcctc acaaccacct 60
aatcaggctg aggtgtctta agccttttgc tcacaaaacc tggcacaatg gctaattccc 120
agagtgtgaa acttcctaag tataaatggg tgtctgtttt tgtaacttaa aaaaaaaaaa 180
aaaagtttgg ccgggtgcgg tggctcacgc ctgtaatccc agcactttgg gaggccaagg 240
tggggggatc acaaggtcac tagatggcga gcatcctggc caa 283

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<210> 11799
<211> 315
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

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<400> 11799
tgaggtcagg caaaccttcc agcaatcngt tctgccaga gaacatactg acgacagaga 60
acacactgag cgntatctgc ttctagttag agcattgccg attgccttca taattcataa 120
tgtgctgtgc tcctctgagg gtctatctgt atttctcttc aaagaattcc ctttttaa 180

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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 gaccaaattcc catagcgagc 120
 ccctagtgc tttctgtagg ggtccccata ggtgtatggg ggtctctata gataatatat 180
 gtgctgtgtg taattttaaa tttctccaac cgtgctgtac aaatgtgtgg atttgtaatc 240
 aggctatfff gttgtttgtt ttgtttgtca gagccattaa tataatatff aaagttgagt 300
 tcttgagata agtttttcat cttgcccac 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 ctcatatfca ggaaaactff ccaaataaaa taaatgttat tctctgataa 120
 agagctaata cagaaatgtt caagttatff tactttctgg taatgtcttc agtaaaatat 180
 tttctttatc taaatattaa cattctaagt ctacaaaaa aagttttaaa ctcaagcagg 240
 ccaaaaccaa tatgcttata agaaataatg aaaagttcat ccatttctga taaagttctc 300
 tatggcaaag tctttcaaat acgagataac tgcaaaatat tttcctttta tactacagaa 360
 atgagaatct catcaataaa ttagttcaag cataagatga aaacagaata ttctgtggtg 420
 ccagtgacac ctaccttccc acccatcac 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
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 cccactaaa 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 actttttact 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 aaatgggtgag 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	catgtttgat	ttatggaaga	aagagttgtc	ctgatgtttt	360
tctgtgttac	ttatattaga	gtcagagatc	ttgggtatggg	ctgttctgtt	tcctgtgtct	420
ccaagcctct	gtcttttctg	ggatgtggta	ttgggtgcttt	gtgtctaggg	cagagtatgt	480
tcttgaagaa	aggcaaactc	gactttttct	gtgcgcccta	aacaattctt	gta	533

<210> 11805
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 11805						
ctgggtgggtg	gaaggggtgcc	tggttttaggc	gggggtcccag	gaggggggtga	gggggtgacac	60
ccttgggggag	ggggcctgca	aagggcactg	cctgtggcca	cgtgggtgtct	gtgggaattg	120
gtcctgggga	ctttgatggg	tgtttgcggc	cccagttgcc	gccctgctcc	ctcttccagg	180
gctcctggct	tgggcccccc	gacccccctg	ctcagctcgg	gaaaatcccc	gtgcggtctc	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	ggtgggggtgc	cccagctagg	aagcaagatc	120
gctgtgctag	gtctgaccaa	aaccagaggg	cagtctagtc	ctgggggtaa	agccctcaga	180
tcccagggta	cactcttctc	cattccctcc	accacttgc	ctgtcacccc	agtcacctaa	240
gcaatcactg	ggcccagagg	agaggagaca	gacacacact	ggctcctgga	cctaaaggggt	300
atgagctgga	gctaaggcca	gctagagctt	ccactgtcag	ccctcactgt	cagccccact	360
gcacccccct	gtgcctgctg	ggcactgggc	actagctaga	tgcttttaggt	tgcttcagct	420
gatccttcaa	ctctgtgagg	tg				442

<210> 11807
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 11807
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 actactttcta catggtgacc aacacacttt tctacgtcag ctcagctgtg actcctcttc 120
 tctacaacgc cgtgtcctcc tccttcagaa aactcttcct ggaagccgtc agctccctgt 180
 gtggagagca ccaccccatg aagcggttac ccccgaagcc ccagagtccc accctaattg 240
 atacagcttc aggctttggg gatccccag aaaccggac ctgaatgtaa tgcaagaatg 300
 aacagaacaa gcaaaatgac cagctgctta gtcacctggc aaagcaggtg agcaacctca 360
 tcactaatca ttcaagcttc gcagccaggg cgacttctat caaccctgc tctgctgaga 420
 accatcaagc gcaggaagc cacgtgaccc ctctagcct caggctccct cgtctgtgta 480
 gtggaga 487

<210> 11808
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 11808
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 aaaattttct tttgtaaaag caaaagccac atctcttttc tggatccttc aggactgggg 120
 tttgtttgct tccttttctg tttctgtctt ctgctgtctc tgtgcccttg gttgttttgt 180
 ggtggtcctg tcgtccctcg tgcccctcgg ccacctgctg gcagccgatg ggggcactcg 240
 gacatctaca accctgcaac tttgtacaga gaaacacaat cagctctttc tgcattgtgct 300
 ggtcaaattc aaaccagag 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 gtgacagaa agtggtattt 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 atcttcaa atttcttaga ttgcttgcca gcaaagatgt ctcttgatct	60
tgacactgga attcaatgta aaaatcttga atgatatttt gtactgatat gaatttctac	120
tgtcccataa cactgtgtag tgacttcaact gtatattaac ttcttttcta cagatgtttg	180
acttatgaga tgaattaatt gaaaaagtca aagcctatca ggagctatct tatatgatgt	240
tggtagcctg tgaaaaaata aatgtctttt ttcttataca aactgataac aagacttgct	300
ttcacaatta ctatttacet 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	
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ataattagaa aaatcaatca gctggaggac cccccaagt ttaatacatt ttcaatacca	120
ccaggaatgg atttttggtc cttttctgca ggtctgggtt gccagacgtt ttatttctgg	180
ggaggagggc tctgggctga ggagctcagt ggggtggagg agggaaatggg actgttgctg	240
atcctcaaag gcctctgtag gatggagggg ggggacctta ctcccttccc caccacagat	300
gcaggagtca ccagcttcc ttctctgccc tgtttccttc acaaattaga cattgggttg	360
ggaaacaatg tagcctcggt aaaca	385

<210> 11812
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 11812
 attagttgca aaatccagta ggttaaaata ctcacatatt ttactttaa tttcttttaa 60
 ttacttata tgttattata attttgaatt ttttaagttct atgattcatg ttttaaagat 120
 ggaataatth taatacatat ttgttttaa tataatctat aattgttttg taatgtaaga 180
 ctaattacta atatttatgt agcaactttt gtgccagaaa aaagactgtt aattgtttt 240
 ttcttgcttt tcatttgatt accctgcttg aaatacagtt agttgataac ataaagccat 300
 agttttcttg gattttcttc caagatatgt tattcccaag aagaaattga tttattttta 360
 aactatcagt tactgaagac ttatgaaaag gtcaattttt acctgtcttt taatccagtc 420
 cattttctga cacaatatta aacagaacgc cagttgcatt tactttggtg atttgcaaac 480
 ttggaatgaa gccaccagtc attttttaag 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

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attgtttggac aatgaaacat acctggaccc tttgagtgtg tgaatagtaa aggctgtgat 120

aactgaaatg cagctaancn naaagggcta attagaagac ttttgagaca tgatttacct 180

aaatggnaat agtttggttt tcaatccntc nctgtaataa caattatttg catctattaa 240

gtgttttcta 249

<210> 11814

<211> 456

<212> DNA

<213> Homo sapiens

<400> 11814

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cttacaagat ctagcacctc tgccagtgc aagataggac tgttttaaat gatttgggaa 120

cttttggttg cctgcagttg tgaacagaga acttctctac agagaaacaa accactaaaa 180

gcaatatgac cgagttgaga tgtggtttcc aatgagcaat tgggtgaattt aagcaacctg 240

gatgtgcata tgtggaggct cccgtctcac tgtttgatca aacttctttt atgtagtcac 300

gtagacttga ttttttctgc tgtgaaaatg aaaaaataaa gcaatatgac aaaaagttaa 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 accagtgcac atggatagaa tgggctgtgt 60

ttccaaacag attgacttgt caaagactct cttcaagcca gcacaagcat ttagatcaca 120

acactgtaga aatttgagat gggcaaatgg ctattgcatt ttgggattct tcgcattttg 180

tgtgtatatt ttacagtga ggtacattgt taaaaacttt ttgctcaaag aagctttcac 240

attgcaacac cagcttctaa ggatttttta aggagggaat atatatttgt gtgtgtatat 300

aagctccac atagatacat gtaaacata ttcacacca tgcacgaca cacatacaca 360
 ctgaaggcca cgattgctgg ctccacaatt tagtaacatt tatattaaga tatatatata 420
 gtggtcactg tgatataata aatcataaag gaaaccaa atcacaaggag atggtgtggc 480
 ttagcaagga aacagtgcag gaaatgtagg ttaccaacta agcagctttt 530

<210> 11816
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 11816
 aaaaacctgt ccttcctaga tgaagatcag cttcgtgcaa agggttatga caaacacca 60
 gacttcattt tacaagtacc agttgctgta gaagggcaca taattcactg gattgaaagc 120
 aaagcctcat ttggtgatga atgtagccac cagcct 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 cttacgcac tagctcctat gcaccttcag 60
 tctcaaagaa aactgatgag catcctgcaa ggtacaagat gctngatcag aggatcaaaa 120
 tgaaaaagat tcagaacatc tcacataact ggaacagaaa ataggccgag gggaagaaga 180
 gagggagtga aggaggggtct acctatctgc ttctcagcac cactggcca 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 tgttcacctc tttta 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 ttccaaacag tagtgatttc taatatataa 60
 gaataaggta cttctgaggg aattttatat tttcagagtt taaaattatt gctactccca 120
 atttagaaaa anggggagaa agctggaaga acaaatgaca tgctcaaagtg tattgcataa 180
 gtcaacctca caccttaata ctgggagctt ctctgcctcc tgatcctgtc ttgcagataa 240
 ggtcccctgg ctaggtttgc gtttatagtc aggttccatt tagctcatta aaggctactg 300
 ctgcttcaaa ggactttgcc cagtggatgc cattcataac cacagatgaa tgttatcagc 360
 tatttatcca aattacagga aatgaaacct gaaaagggtg 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 cgggtatactt tattctcttt cttgtgttgt 60
 agaaccagct gggagaggtg tgggtcagtc atgggcttgg tatcccctgg tcttcactat 120
 tctagcttgc cattgaattt gtctcccaga ggaaaagaaa gaatggtatt tggaattaaa 180
 ttcaagatgt taacttgaca tctatatatt gcacatatc ctgtatagtg aatggatgac 240
 ctctgggaa tagttcctgt gactgatttt agtgataatt gatcatgaag aaatggcagt 300
 actgctccac ttcaccttcc tagtgactat tatgtgttcc tagtcagagt gactcagcag 360
 agattatattt 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 tgaaggggaag 180
 aggggttgttt tggtttcgga cgacccttgc tctgaccgga agagaagtcc ctatcccaca 240
 cctgcctgtc acgtttccctc ccctttcccc agcgcactgt tgagggcagc ctctccagct 300
 ctcttgttta tgcaaacgcc gagcgcctgg gaggctcggg aggaggagtc ttccacggcc 360
 ccgccccgcc ctgtcgggtc cgccctcccc ccccgccggg ctcttggggc tgtggccgaa 420
 aggtttctga tctccgtgtg tgcattgtgac tgtgct 456

<210> 11822
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 11822
 acagccttgg gggaagtgtg cagagatgtc tctgaggttg catggcatgg tccttgtgat 60
 ggtattactt tttaaaaga atgaaaccaa atggactcag ccctctccca cattttcccc 120
 tcaccctcca agtcctaacc cctccatcct ctctaacttt tcaagccaat cccttaatgt 180
 cattcctctc tctgtgtatc tgtgccagat gttttccttt ctctcttctt tactggaagg 240
 acctccacat tcttccctcc ttggaagagg actttactaa aagtcacagg tgggtggccag 300
 gggggatttc cgaatctcca tcaggcgcgc tcatagttgt cccattgtc taccacaca 360
 aatcctcagg aaaccaacca ccgcccaggt ggccctgagg gaggcattca cttttatgtg 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
 acttattttca 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 atttgggtcaa 480
 cccgtcca 488

<210> 11825
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 11825
 catgggtgtt ttgatctctg ttctttcata ctacatttga acagggcaaa atgaactaac 60
 tgccatgtag gctaagaaaag aaatgctaac ctgtggaaaag ttggttttgt aaaattccat 120

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ggatcttgct ggagaagcat ccaaggaact tcatgcttga ttgaccact gacagcctcc 180
accttgagca ctattctaag gagcaaatac cttagctccc ttgagctggt tttctctgat 240
ggcacttttg agtcctaag ctgccagcct tcccttcttt tcctgggtgc tcagggcatg 300
cttattagca gctgggttgg tatggagttg gcagacagga tgttcaactt aatgaagaaa 360
tacagctaag gccttgccag caacacctgc cgtaagttaac t 401

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<210> 11826
<211> 122
<212> DNA
<213> Homo sapiens

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<400> 11826
accctccgc actgtgaaag actaactcct gcaactggaa agcgggggcg cccgccgacg 60
aggaggccac cgtgccaaagc cggcagaggt catgccaggc gccaaaggga atgtgcccag 120
ct 122

```

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<210> 11827
<211> 317
<212> DNA
<213> Homo sapiens

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<400> 11827
gaactgcbag atgctttccg agagtttgac accaatggtg atggggaaat aagcaccagt 60
gagctgcbag aggctatgag gaagctcctg ggtcatcagg tgggacaccg agacatagag 120
gaaattatcc gagatgtgga cctcaatggg gatggacgag tggactttga agagtttgtc 180
cggatgatgt cccgctgagg ccgcbagggc 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

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<220>
<221> misc_feature
<222> (260)..(260)

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<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 tatatatattt 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 tcctggggttt 240
gtgcccacca tgggtgcgaat cctgacccaa ggcctcctgt ctcccttcaa agggagaccc 300
ttttggggga tgagtttgcc agactccccg tgctgggtttc tttgttacta tttgtttggg 360
gttttggtttt agttcttttt tttttttctt ttctttttta aaaatatgtg gctgtgaact 420
tgaatgaaca ctgctcaaac tttctgctat tgnnggggggn ggggtgggatg 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 ctattatatt 360
ccaatactta gcaccatttc actaaggaac cttgaataca accaggatcc tcctttgcat 420
gcgactgtag ctgc 434

<210> 11831
<211> 514
<212> DNA
<213> Homo sapiens

<400> 11831
agattatata cctatcttct ttttcatgta aaccactggt cacaaatgaa ctgatctctg 60
tatcccatta ttactataag aggtgggaat cccaaaactg cttagattgc agtacatgag 120
tttacacaaa gacttcaaca attgcacatc ttcatctctc caactgagtg tagtatgtgg 180
agcataaaac agcatattct tagtatttca tgaatatcag atgggtcttta 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 tagcaaagt 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
tatatctaata ggcttttgac atgttatatc aatttcttac tgcttttgta aatgaatata 120
ttaagaagaa aaaattacaa atgacccttt ctttacaaac ttttaggttaa tcaagttcag 180
ttattaagaa atggatgttt gcaacattca tagtaattat tttcagaaaa ttaaaaatga 240
ttaaaaatta ttttttcac ccattcagat attatatatt taactgtgag ataattctca 300
gagataaatg tcaactttta aaaaatgcta aataaattaa atcaaaatat ccactctaaa 360
ataaataaat tagctccgat ttttcttct ttttaaattt ttccttatag ttgtaaaaat 420
aaagtgaacg ttttggtca t 441

<210> 11833
<211> 536
<212> DNA
<213> Homo sapiens

<400> 11833
ggacattcat tataccattc tccccacttc tgtatttggt tgcaattttt cataataaaa 60
aagtttttaa agtcctccag tttccaacac actcaagaga gagccccaac cccaacaca 120
gagtttcatg gaaacccac accaaggcaa gaggcagaga tgatgattcc atttcatata 180
tacactcatt ttctaacttt ttttaaaggc ccactgcttt attttcaata gattaaacct 240
gatttctgag aggtcctgaa gttgggctta tttccctggc tgggttatgg gggagggcag 300
ggtaaagga tccttaaaaa agtttacact tctatgtatc tcacaatctt attgtgagga 360
tgtgacttgt tcagtgttct gaacttttcg aaggaatcgt gctctcaatg caaagtgtca 420
ttctctggaa ttgcacctgg ctcaggaaag gactgtcttt gtacttgaat ttaaatacaa 480
tgagaaactt taacacgggc atttgcattga ctgagaattg ctgctgtctt ttttcc 536

<210> 11834
<211> 536
<212> DNA
<213> Homo sapiens

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<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 ggcattggtg cacgtgcctg tagtcccagc tacatgggag    480
gctgaggtgg gaggatcact tgagcccagg aagtccagaa cgtagtgagc cttgat      536

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<210> 11835
<211> 241
<212> DNA
<213> Homo sapiens

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<400> 11835
gatagatcac tgcgaccaga ggaaattgaa gagctccgag aggccttcag agaattcgac    60
aaggacaagg atggctacat caactgccgg gatctgggca actgcatgcg caccatgggc    120
tacatgcccc ccgagatgga gctcatcgaa ctgtcccagc agatcaacat gaacctgggt    180
ggccatgtag attttgatga cttcgtggag ctaatggggc ctaaactcct ggcagagaca    240
g                                                                    241

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<210> 11836
<211> 380
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

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<400> 11836
gtaatgtaca tatgcatatt gtctatgtac tatatacaca ttgtttataa tattgttatt    60

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acagtttgtc attcacctga aaggagaagg aaaagtacga aaggtttctc tgcttgggaa	120
aagggtgaatg ttgttatatc aagaacgatt acacacatgg ntctcataca tgnnttttaga	180
acattgttct tctgattgaa gaagtctgat gctcctgaaa aatcttaaaa tatctgactt	240
gtattgaaga aaattattta attaaatttt taaaggctgg ttgaaaaagt ctgacagttc	300
tgagaatttt ttaaattgtct gaattgtaat aaaaaaatgg tttactttaa acttctaaaa	360
actaatgacc ttgtgactaa	380

<210> 11837
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 11837	
aactgaaggg agccattctc accacgatgc tggccaccag gaacttctcc ggaggggaaga	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 tcccgaaca	360
gcaagcccgt gcacaccacc atcctgaatc cccacatcca cctgatgggc gacgagtcag	420
cctgcatcgc ctacatccgc atcacgcagt acctggacgc tggcggcatc ccacgcaccg	480
cccagtcgga ggagaccctg 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
tgcccgggcc ccatcaccgg cacacattgt ctctaacaaa gtgccagtgg tgcagcacc	120
tcaccatgtc caccacctca cgcctcttat cacgtacagc aatgaacact tcacgccggg	180
aaaccacct ccacacttac cagccgacgt agaccccaaa acaggaatcc cacggcctcc	240
gcaccctcca gatatatccc cgtattaccc actatcgctt ggcaccgtag gacaaatccc	300
ccatccgcta ggatgggttag taccacagca aggtcaacca gtgtacccaa tcacgacagg	360

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aggattcaga caccctacc ccacagctct gaccgtcaat gcttccatgt ccagggtccc 420
tccccatatg gtcccaccac atcatagctt acacacgacg ggcattccgc atccggccat 480
agtcacacca acagtcaaac aggaatcgtc ccagagtgat gtcggc 526

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<210> 11839
<211> 453
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

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```

<220>
<221> misc_feature
<222> (248)..(251)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (269)..(271)
<223> n is a, c, g, or t

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<400> 11839
caagctgcc a 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 ngatttcaaa tgaagttann nttcttgaac tactgtaata tgtagatttt 300
ttgtattatt gccaatgtgt gttaccagac aatctgttaa tgtatctaata tcgaatcagc 360
aaagactgac attttatatt 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

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<400> 11840
gaccaatgat gttttcccat ctctgaatgc taggggggtca gtggtgggta cctgggttacc 60
cctgggggcat cttcactgat anctctgctc agtgccagtc tcaacaccct cagccactag 120
ggcacatcca gaattttaga gacatctcca ggtaggcggg gggcagcacc aatgtgggca 180
ggcctgtctg gactcaagct acaggcccct gctgtgcatg atgtgggaac ctgggtcattc 240
ccatgccccca 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 cctggtt 206

<210> 11842
<211> 199
<212> DNA
<213> Homo sapiens

<400> 11842
gagtccagca aaggtgcagc ctttgtgtcc aagcaggagg gcagcgaggt agtgaagaga 60
cccaggcgct acctgtatca atggctggga gcccagtcct 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 tatgtgtgtt ggtactatcc acaaatcatg 120

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cagtatgttc ctttcccacc gttttccgac atctccaatc ccactgctca tgaaaattat 180
gaaaaaaata acgtcatgct acagtgggtga tatgattgaa aatttcattc tctgaatttc 240
tcctctcaag gaaaaccatc ttatctgaag actggactgt tgtttttagaa tagtaaaatc 300
ccatattgaa ggaaattggt ctttttgagt tatctactta atagcatatc attctttttc 360
ttaagctaaa ttttcctaga gagtttattg tctaaatttc agttgtgtct tgccatatgg 420
agggcaccta atcagaggggt attaaagtgt ttactaagtt ttctagtgga cattttgttt 480
aaaaagtctt tgaattgccca gttctgtaag tgccatcaat t 521

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<210> 11844
<211> 129
<212> DNA
<213> Homo sapiens

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<400> 11844
tccaaagaag atagcaactc cacggagagc aaatcaagca gtgaggaaga tggccagttg 60
aaaaacattg agatagagag ccggaaatta acagttgatg cctatcacia caaacccatt 120
ggggaccaa 129

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<210> 11845
<211> 434
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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<400> 11845
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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 aagtgtttct 300
aagaatttca ttgacattaa tgacactgta tacaataaat gtgtagtttc ttaatcgcac 360
tacctatgca aactgtgta ttaggtttat catcctcatg tatttttatg tgacctgtat 420
gtatattcta atct 434

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<210> 11846
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 11846
 tagtctaagg ccatggcatc cctttttcat aaattatttg attatttaag actaaaagtt 60
 gcattttaac cctattttac ctagctaatt atttaattgt ccggtttgtc ttggatatat 120
 aggctatttt ctaaagactt gtatagcatg aaataaaata tatcttataa agtggaagta 180
 tgtatattaa aaaagagaca tccaaatfff tttttaagc agtctactag attgtgatcc 240
 cttgagatat ggaaggatgc ctttttttct ctgcatttaa aaaaatcccc cagcacttcc 300
 cacagtgcct attgatactt ggggaggggtg cttggcactt attgaatata tgatcggccca 360
 tcaaggaag aactattgtg ctcagagaca ctgttgata 399

<210> 11847
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 11847
 tcctttaatg gccccagtca tgagaatata ataacacatg gcagaaaata tcattatgta 60
 cccacagac aaaataattc tacacggaat aagggtatgc cacaagggaaggctcctgg 120
 ggtagacaac cccattccaa caggaggttt agttcccgta gaagggatga cagtagtgag 180
 tcatctgaca gtggcagttc aagtgagagc gatggtgact agtccaccag gagttcccag 240
 cggggtgaca gtctgaagac ctgcgtcacct gtgagttgat gtagaggaga gccacctgac 300
 agctgaccag gtgaagagag gatagagtga agaactgagt gagccaagaa tcctgggtctc 360
 cttgggggaa tttttgctat cttaatagtc acagtataaa attctattaa aggctataat 420
 gtttttaagc aaaaaaaaaat cttacagat 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 acaaacaag 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 gagggggagt 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 ttgcaaaag cactttgaaa ttatggcaca gtgagttggt	180
ttggataaga aaatcttttt ctcccaatta atttaccaat tcatcatttt ttttttttgt	240
agaactccca taaacatcac cttactaatc actggtgatg ataagaagga ttgggtcagg	300
aagagtggga gaaagaaatt cctcttttacg tagatacttt ttagctttat tttttctaaa	360
atcagtttgc gtgcaatgct agaaaaaac 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 atangtggtta 180
 cntttgtaat tntgctgggtg catttaagaa gatagtaaata 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
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 gtttgaactt tagtccctcc acactctgac tgctgcctcc ttctctccag ctctctcact 120
 gagttatctt cactgtacct gttccagcat atccccacta tctctctttc tcttgatctg 180
 tgctgtctta ttctctcct taggcttctt 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 agaaagtga 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

gggagccaac acttgaattc aaccttttta cccaaaatcc catnnttttt ccactgagac	60
aaatcctagg ctctnggag gncctggca gaagccagaa cacatggctg ggccttttnc	120
gccaaccca 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 acctgcaa at ggtgcttcaa tgtcgttttg tatctttaag ctgtgatgtt	420
gtatatatac aatgcctccc agctagactg taannccctt ggggacaagg gctgcttcca	480
gttcttggat ggcgttctcc	500

<210> 11854

<211> 548

<212> DNA

<213> Homo sapiens

<400> 11854

aaggccaggc atcgccatg gagctgctgc gctgccccac cctccgccac ctcttcctct	60
gcctctccat gctgtggttt gccactagct ttgcatacta tgggctggtc atggacctgc	120
agggttttgg agtcagcatc tacctaatac aggtgatctt tgggtgctgtg gacctgcctg	180
ccaagcttgt gggcttcctt gtcatcaact ccctgggtcg ccggcctgcc cagatggctg	240
cactgctgct ggcaggcatc tgcacctgc tcaatggggt gataccccag gaccagtcca	300
ttgtccgaac ctctcttgct gtgctgggga agggttgtct ggctgcctcc ttcaactgca	360
tcttcctgta tactggggaa ctgtatccca caatgatccg cgctgtcact gtcctcctgc	420
cagagacctt gggccagcca ctgccagaca cgggtgcagga cctggagagc aggtgggccc	480
ccactcagaa agaagcaggg atatatccca ggaaagggaa acagacgcga cagcaacaag	540
agcaccag	548

<210> 11855
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 11855
 tcccacaatg atccggcaga caggcatggg aatgggcagc accatggccc gagtgggcag 60
 catcgtgagc ccactggtga gcatgactgc cgagctctac ccctccatgc ctctcttcat 120
 ctacggtgct gttcctgtgg ccgccagcgc tgtcactgtc ctcttgccag 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 ggggttgttg 420
 ttcaggaaag ca 432

<210> 11856
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 11856
 aacaatttga ggctctaagc ttctcatgtg gtacgttttag acagaggcta aatctgcaca 60
 ctagaatctt gatgatacct tcctgcaaga cagaatgctt tagttaaaag tggatgatgat 120
 atttctttca atctgtattg gatggcttaa agggctataa atctgtttat aaagagcatt 180
 tcctgctctt cgaagacagc aatgaggagt tggaagggtgc aaagtcagta gagaagggaa 240
 tgtatcatta atgcacctga gaagaaacag ttctcatgtgt 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 taacttttagc aagacagtgg	120
aagtggagac ccctcactgt gccatgtgcc ttataatga gaaagatgtt agagccagga	180
tgaagagagg ctatgacaac cccaacttca tcttgtcaga agtcaatgaa acagatgaca	240
ccaaaatgta acagtggctt ttcaacagga gtaaagcaaa gtctctaaag ctcttagtac	300
ctagaagcat tatgaagcag tcaacaattt aggggtacga aagtaggatg agagccttca	360
aagtctacca gcacaaagac ccctgagccc cgcaattgtg atcccacaag acatgcatct	420
ccacaaggct actgtattag aacgtgcaat gcatttatat gaaactgggtg tatggaagac	480
atagggtgctc 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 tcctgcact catcacaag ccatacaac tcaaccaaac	240
ttacccttga gccctatcaa cctaggtcta cagccagtgg agtctattgt aactgtgga	300
aaaataccca tgggaccaga tcctgcaaaa ttcttcagc tcactttatt ctgagcattc	360
ctaggacatt ggacattggg ttcttgagg gtttttttc cgatctttgt attttttaa	420
atttgattct ttcttttga atgctagcaa ccagaatata taggggaact gtgggctagg	480
caaanaaat agaaaaagtg tgaaaaacag taaagttggg agaggagcat ctattttctt	540
aa	542

<210> 11859
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 11859

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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
tgacctgtgt tctctcggcc accttgacct tgacttttca gtgactgaca gcggaaagcc      300
ctgtgctcca tggctgccat ctcacctcct gctgggcagg gggcatgatg cgggccagtg      360
ctccagccac agaaaagaaa gttcatgctt tgttcagcct gccttctttt ctccctttta      420
atcctggctg tcgagaaaca gcctgtgtct ttaaagtctg ctttttctca aaatgggact      480
tgtgacgggtg tacctga                                         497

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<210> 11860
<211> 507
<212> DNA
<213> Homo sapiens

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<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 tcaactgtatg      300
tcctctgacc cctttggcaa ggttgccaca gctccacag cccttcctac aagcacctat      360
cattgggctt gtcacactct attgctcttc tgtcccgaag atgcagtctt ctctccaatg      420
atactaccaa gtcttagttt tcctcaacca cactcaatct ttttgctcca ccctgaattc      480
ctcacaccta accctgatag ttaccta                                         507

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<210> 11861
<211> 477
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

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<400> 11861
gctgctgcct gaaaagtata ttaactagat tagaagacac natatactcc aataaaatga      60

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aatatattct attctcaata tataaacttt aattgtactc cctatcaaatt attttgaaat	120
ttccatcacg gcattacttt gcatatTTTT ttctaattaa atggtttagta cagatgaaat	180
ctttatagat gactacttga aaactaagtg ctacaaattt tcaaaccatt attaagaaat	240
atatcctgaa tcatatatTTT agttactttc tatagtgatt gtatggattt aaaagaataa	300
ttaaaatgtg aagttgaaaa acttgtaaaa ttTggaatat acagatactg atTTTTttca	360
TTTTgttag tataacctata 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 gttccagggtg atgaagttta acaagttctc	120
actgccccct gaggcTTTT acatgatccg ggtccacttc ttttaccctt ggcacacggg	180
ccgcgactac cagcagctgt gcagccagca ggacctggcc atgctgccct ggggtgcggga	240
gttcaacaag ttcgacctct acaccaagtg cccggacctg ccggacgtgg acaagctgcg	300
gccctactac caggggctca ttgacaagta ctgccctggc atcctgagct ggtgaccctc	360
ctgccacca agctgctgct ggacctaggc ctggccctcc gcctgcctgc agaggcctgg	420
ccctgggcaa acagccgcca tcagggttca cctcggtggg ggacccact cacccttca	480
gggtcgccac ccctcacggc aacttgtgcc tggcgtcaat aaagacctgg	530

<210> 11864
 <211> 417
 <212> DNA

<213> Homo sapiens

<400> 11864

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gcattcttgg	catcccagtg	aagagctcag	gccctcagga	agtgtcttgc	ttgaatggaa	120
tggcccagca	ttagcccagt	attggaaaag	acaccagccc	aggggccctg	actcgtcaca	180
cttccctttc	ctaagcctct	gaggggtggag	attcccctag	gagcgcttgg	ccagctggga	240
aggcagcgcc	cagctgcact	tgttgttgat	acagcataag	tgaatcatgg	gcatttcctt	300
gagagcagtg	ggagaggccc	tctgagttgg	aagttgagct	ccacctcctt	tccaagtgag	360
cactcagtgt	tgaatcacag	ttacaacca	ctggggctgg	tgggagatgc	gttgtat	417

<210> 11865

<211> 152

<212> DNA

<213> Homo sapiens

<400> 11865

cgaggccaag	tcttactttg	aaaagtcaaa	ggagcagctg	acaccctga	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
tgaacgggtg	gacagtgtctg	aaccttatat	atattttttc	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 ttatttcttg 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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 acaggttctc ctggatgaaa ttactagcac ataaagttgg gagacaccta agccaagaca 180
 ctggttcttc ttccggaatg aggccctggg aggaccttc tagccaagac actggttctc 240
 cttccagaat gaggccctgg aaggaccctc ctagtgatct gttactctta aaacaaagta 300
 actcatctaa gattttgggtt gggagatggc atttggtctc tgagaaaggt agctatgaaa 360
 taatccaaga tactgatgaa gacacagctg ttaacaattg gctgatcagc cccagaatg 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

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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

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<210> 11870
<211> 480
<212> DNA
<213> Homo sapiens

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<400> 11870
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tcctgcagac aaggggagcc ctcaagtctgc agggctccat aatgacggta ggagagaagg 120
tcttctccag caatgggcag tccatcactt ttgatgccat tcaggaggca tgtgccagag 180
caggcggccg cattgctgtc ccaaggaatc cagaggaaaa tgaggccatt gcaagcttcg 240
tgaagaagta caacacatat gcctatgtag gcctgactga ggggtcccagc cctggagact 300
tccgtactc agacgggacc cctgtaaact acaccaactg gtaccgaggg gagcccgcag 360
gtcggggaaa agagcagtgt gtggagatgt acacagatgg gcagtggaat gacaggaact 420
gcctgtactc ccgactgacc atctgtgagt tctgagaggc atttaggccca tgggacaggg 480

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<210> 11871
<211> 268
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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<400> 11871
gcagtggcca ctatggggtc tgggctgccc cttgtcctcc tcttgaccct ccttggcagc 60
tcacatggaa cagggccggg tatgactttg caactgaagc tgaaggagtc ttttctgaca 120

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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
gacatgaccc gagtaacttt ctgctgatga acaaatctgc accccacttc agacctcggt 60
gggcattcac accacccccc atgccaccgg ctccactttc ccctttttatt aatacattca 120
cccagataat cattaaaatt aacatgtgcc aggtcttagg atgtgtcttg gggtagggcac 180
agtacccggg gactcttggg gatattttatt tattttccct gagcctatat cttcatctgt 240
gaaatgggga taaaaatact tgttgctgtc acaattatta ccatctctcc agctagcaaa 300
attactacca gagccgttac tacacacaaa ggctattgac cgagcacata ccatgtgcc 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
ccctgagtga gcacctgggt accactgcca ccttctccat cggctccact ggcctcgtgg 60
tgtatgacta ccagcagctg ctgatcgctt acaagccagc ccctggcacc tgctgctaca 120
tcatgaagat agctccagag agcatcccca gtcttgaggc tctcaataga aaagtccaca 180
acttccagat ggaatgctct ctgcaggcca agcccgcagt gcctacgtct aagctggggc 240
aggcagaggg gcgagatgca ggctcagcac cctccggagg ggacccggcc ttcttgggca 300
tggccgtgaa caccctgtgt ggcgaggtgc cgctctacta catctaggac gcctccggtg 360
agcaggggtca gtggaagccc caacgggaaa ggaaacgccc cgggcaaagg gtcttttgca 420
gcttttgcag acgggcaaga agctgcttct gccaca 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
 gcacctgctg ctacatcatg aagatagctc cagagagcat cccagtcctt gagggctctca 60
 ctagaaaagt ccacaacttc caggccaagc ccgcagtgcc tacgtctaag ctggggccagg 120
 cagaggggcg agatgcaggc tcagcaccct ccggagggga cccggccttc ctgggcatgg 180
 ccgtgagcac cctgtgtggc gaggtgccgc tctactacat ctaggacgcc tccnnnnnnn 240
 ngggtcagtg gaagcccca cgggaaagga aacgccccg 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 tccngtttg tgtaaacata ctagagtata 120
 ctgcggcgtg ttttctgtct acccatgtca tgggtggggga 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
 gatgaaggat ggtgtgccct tgcccccttc cccagccct gtgctgatcc tccctgagat 60
 agggcctcag gaccagggaa cctacagctg tgtggccacc cattccagcc acgggccccca 120
 ggaaagccgt gctgtcagca tcagcatcat cgaaccaggc gaggag 166

<210> 11877
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 11877
 caccatccca gcaagtcagg atatcagaca gtcctcccct gaccctcccc cttgtagata 60
 tcaattccca aacagagcca aatactctat atctatagtc acagccctgt acagcatttt 120
 tcataagtta tatagtaa at ggtctgcatg atttgtgctt ctagtgctct catttgga aa 180
 tgaggcaggc ttcttctatg aaatgtaaag aaagaaacca ctttgatatat ttgtgaatac 240
 cacctctgtg gccatgcctg ccccgccac tctgtatata tgtaagttaa acccgggcag 300
 gggctgtggc cgtctttgta ctctgggtgat ttttaaaaat tgaatctttg tacttgcat 360
 gattgtataa taattttgag accaggtctc gctgtgttgc tcaggctggg ctcaaactcc 420
 tgagatcaag caatccgccc acctcagcct cccaaagtgc tgagatcaca ggcgtgagcc 480
 accaccaggc ctgattgtaa tttttttttt tttttttact ggttatggga agggagaaat 540
 aaaatcatca aaccccaa 558

<210> 11878
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 11878
 gaaatgcctg gaagtgtccc ttattttata aaataacttt tgtcatattt cttatacatg 60
 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 ttgtaatat ctccccaccc accccacgcc	360
cgcacccccg cacccttaag aaggtat ttt gtaatatct ctccgccatt gagaatgtgc	420
tttgtaagat ccaccccctg cccacaaaaa attgctccta actccaccgc ctatcccaaa	480
cctacaagaa ctaatgataa tcccaccacc ctttgctgac tctttttgga ctcagccca	539

<210> 11879
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 11879	
ctgtgcctct ggaggaggtc caattggtgg tggagccaga aggtggagca gtagctcctg	60
gtggaaccgt aaccctgacc tgtgaagtcc ctgcccagcc ctctcctcaa atccactgga	120
tgaaggatgt gagtgacctg gagagagggg ctgggagaac caggcgagga ggggccaact	180
gcaggctctg tgggaggatc agggctggga actctagccc tggccctggg gatcctggga	240
ggcctgggga cagccgccct gtcattggg gtcattctgt 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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cccaaattggc caaagtgtcg gggagaagat tttcaagaca gcaggctttg taaaaccatt	120
tacggaggca cagctgctgt gcacacaggc tgggtggacag ttggcctctc cacgctctgc	180
cgctgagaat gccgccttgc aacagctggt cgtagcnaag aacgaggctg ctttcttgag	240
catgactgat tccaagacag agggcaagtt cacctacccc acaggagagt ccctgggtcta	300
ttccaactgg gccccagggg agcccaacga tgatggcggg tcagaggact gtgtggagat	360
cttcaccaat ggcaagtgga atgacagggc ttgtggagaa aagcgtcttg tggctctgca	420

gttctgagcc aactggggtg ggtggggcag tgcttggccc aggagtttgg ccagaagtca 480
aggcttagac cctcatgct 499

<210> 11881
<211> 476
<212> DNA
<213> Homo sapiens

<400> 11881
gaaaaaccag cactgcttt acaggacagg gggttgaagc tgagccccgc ctcacacca 60
ccccatgca ctcaaagatt ggattttaca gctacttgca attcaaaatt cagaagaata 120
aaaaatggga acatacagaa ctctaaaaga tagacatcag aaattgttaa gttaagcttt 180
ttcaaaaaat cagcaattcc ccagcgtagt caagggtgga cactgcacgc tctggcatga 240
tgggatggcg accgggcaag ctttcttctt cgagatgctc tgctgcttga gagctattgc 300
tttgtttaaga tataaaaagg ggtttctttt tgtctttctg taagggtggac ttccagattt 360
tgattgaaag tcctaggggtg attctatttc tgctgtgatt tatctgctga aagctcagct 420
ggggttgtgc aagctagggg cccattcctg tgtaatacaa tgtctgcacc aatgct 476

<210> 11882
<211> 383
<212> DNA
<213> Homo sapiens

<400> 11882
catcctgtgc tcggaaatcc caaagctccc cgcagtctcc ttccttcttg ggggggtctg 60
gtttaacctc acggcccatg attacgtcat ccagactact cgaaatggcg tccgcctctg 120
cttgtccggt ttccaggccc tggatgtccc tccgcctgca gggcccttct ggatcctcgg 180
tgacgtcttc ttggggacgt atgtggccgt cttcgaccgc ggggacatga agagcagcgc 240
ccgggtgggc ctggcgcgcg ctgcactcg cggagcggac ctcggatggg gagagactgc 300
gcaggcgag ttccccgggt gacgccaag tgaagcgcag gcgcagcggg tggtcgcgga 360
ggtcctgcta cccagtaaaa atc 383

<210> 11883
<211> 586
<212> DNA
<213> Homo sapiens

<400> 11883
gacaccgtcc tttaaagtgc tgcagtatgg ccagacgtgg tggctcacac ctgcaatccc 60

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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 gtcctctctc ctcacaagcg ctcccagcct gccctccagc 480
tgctgctctc ccctcccagt ctctactcac tgggatgagg ttaggtcatg aggacaccaa 540
aaacctaata ataaacaaaa agccaaacaa gccttagctt ttctta 586

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<210> 11884
<211> 449
<212> DNA
<213> Homo sapiens

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<400> 11884
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tgtatgacta ccagcagctg ctgatcgctt acaagccagc ccctggcacc tgctgctaca 120
tcatgaagat agctccagag agcatcccca gtcttgaggc tctcaataga aaagtccaca 180
acttccagat ggaatgctct ctgcaggcca agcccgcagt gcctacgtct aagctggggc 240
aggcagaggg gcgagatgca ggctcagcac cctccggagg ggaccgggcc ttcttgggca 300
tggccgtgaa caccctgtgt ggcgaggtgc cgctctacta catctaggac gcctccgggt 360
cagtggaagc cccaacggga aaggaaacgc cccgggcaaa gggctctttg cagcttttgc 420
agacgggcaa gaagctgctt ctgcccaca 449

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<210> 11885
<211> 469
<212> DNA
<213> Homo sapiens

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<400> 11885
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tagtcagttg ctcatTTTTA tgggattgct tagctgggct gtaaagatga aggcataaaa 120
taaactcaaa gtatTTTTAA atTTTTTTga taatagagaa acttcgctaa ccaactgttc 180
tttcttgagt gtatagcccc atcttgtggt aacttgctgc ttctgcactt catatccata 240

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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
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<210> 11886
<211> 295
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (187)..(188)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
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<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (231)..(232)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t
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<221> misc_feature
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<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 tggcgagggtg ccgctctact 120
 acatntagga cgcctccggt gagcaggtgt gatcccaggg cccctgatca gcagcggagg 180
 agcgctnngg ccacctgccc nggctgtgga ggagngctnn cgctgaccag nngntggggg 240
 gtccantnaa gcgggggtcat ccaggcaact cggggggaggg 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

<220>

<221> misc_feature
 <222> (209)..(209)
 <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> (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

<220>
 <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 cnttgggcat ggccgtganc accctgtgtg gcgaggtgcc gctctactac 240
 atctaggacg cctncnnnnn ncnggnnnnc ngggtcagtg gaagccccaa cgggaaagga 300
 aacgccccgg gcaaaggggc 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 caaggggtga cactgcacgc tctggcatga tgggatggcg 240
 accgggcaag ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga 300
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 tcctaggggtg 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
 gtctcgtgc aatcaagggt gtgtctccag aagcaaacga gacatttctt catataaatg 180
 gaaaacagat tccatcatag gaccattcg tctgaaaagg gatcgaagtg caagtggcaa 240
 ttcaggattt cagcatgaaa cacatgcgga agaaactcca aaccagcctt tcaacagtgt 300
 gcatctgttt tccttcattg ttctagctct gaatgtggtg actgtagcga caatcacagt 360
 gaggcatttt gtaaataaac gggcagacta caaataccag aagctgcaga actattaact 420
 aacaggtcca accctaagtg agacatgttt ctccaggatg ccaaaggaaa tgctacctcg 480

tggtacaca tat 493

<210> 11891
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 11891
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 cgccctcatc aagctctcac gcagcgccca gctgggagat gccgtccagc tcgcctcact 120
 ccctcccgtt ggtgacatcc ttcccaacaa gacaccctgc tacatcaccg gctggggccg 180
 tctctatacc aatggggccac tcccagacga gctgcagcag gcccggtgc ccgtggtgga 240
 ctataagcac tgctccaggt ggaactggtg gggttccacc gtgaagaaaa ccatggtgtg 300
 tgctggaggg tacatccgct ccggctgcaa cgggtgactct ggaggacccc tcaactgccc 360
 cacagaggat ggtggctggc aggtccacgg tgtgaccagc ttgtttctg gctttggctg 420
 caacttcac tggaagccca cgggtgtcac tcgagtctcc gccttcacg actggattga 480
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 cctgaataaa 550

<210> 11892
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 11892
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 catgggagac tcggctgtgc ccacacactg ggaaccctac actacggaaa acagcggcta 120
 cctggagatc accaagaaga tgggcagcag ctccatgaag cggagcctga gaaccaactt 180
 cctgcgtac tggaccctca cctatctggc gctgcccaca gtgaccgacc aggaggccag 240
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 agtctgcccc cgtccctgca acgggtgact ctgaggatgc ccctgtgccc ctcaaatgtg 360
 actctgaggc tccccgtac cctacgggtg actctgaggc ccgtgcccac cttgggtgac 420
 actgaggctg cccctgtgtc cccacagat gactccgagg aagctcagat gctgcagtca 480
 ttagtttcta gtgtcccatc agc 503

<210> 11893

<211> 434
 <212> DNA
 <213> Homo sapiens

<400> 11893
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 gccaccgcc cctccagctg ctggcactga gtgcctcatc tccggctggg gcaacactct 180
 gagctttggt gctgactacc cagacgagct gaagtgcctg gatgctccgg tgctgagggg 240
 ggctgagtgt aaagcctcct gccctggaaa gattaccaac agcatgttct gtgtgggctt 300
 ccttgagggg 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 gaagcggat cctgtcactg gggatatggg tgagcatgga 180
 gaagaggcac cagccacgat tccttcctaa gcattctctg ttctgactgc tcatgaattg 240
 aagaaactga cccttgt 257

<210> 11895
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 11895
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 tggggtcatt tcttgacag acatcccaag ggccactatg atagtagctt ctctaaaaga 120
 cgggttcctg agaagaattg cattctgttt ccagtgagt tagcggagtc atacttacta 180
 catcccaagg cagggtggcat ggtagaaaca ggcctgaaag agaggtcagg ttctaacctt 240
 ctcccctctc tgaggctcag ctgctccctt ctgtagaata aaaggggttg gtctgtaaca 300
 agattttcaa aaatttatag tagtgaaact ttacaattcg acttggacaa ccagagatta 360


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aaagcaaata gattcttgtt gatgtcaggt ggggagctta gctctcccat tctgtgattc 420
cttcctctga aggccctcaa agcaactcca taataactca cagagctgcc agagccgatg 480
ttttggagca ccctgagaca tatgaactct aatataactt ccaggagaaa gtacatagga 540
ttccacttag agccaat 557

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<210> 11896
<211> 434
<212> DNA
<213> Homo sapiens

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<400> 11896
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gccaccgcc cctccagctg ctggcactga gtgcctcctc tccggctggg gcaacactct 180
gagcttttgt gctgactacc cagacgagct gaagtgcctg gatgctccgg tgctgacca 240
ggctgagtgt aaagcctcct accctggaaa gattaccaac agcatgttct gtgtgggctt 300
ccttgagggg ggcaaggatt cctgccagcg tgactctggt ggccctgtgg tctgcaacgg 360
acagctccaa ggagttgtct cctggggcca tggctgtgcc tggaagaaca ggcctggagt 420
ctacaccaag gtct 434

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<210> 11897
<211> 305
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 11897
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ggagccggag ggaggagctc gagatcttna nggccagggc ctgccagtgt gacatgtgtc      120
gcctctctcg ntantagccc atcctctccc ctccttcctc ccctgggtca cagggcttga      180
cattctgntg ggggaaacct gtgttcaaga ttcaaaaact ggaaggagct ccagccctga      240
tggttacttg ctatggaatt tttttaaata aggggagggg tgttcagct ttgatccttt      300
gtaag                                          305

<210> 11898
<211> 89
<212> DNA
<213> Homo sapiens

<400> 11898
tgactccaag gaagctcaga tgctgcagt 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 gacatcggcc tcatcaagct ctcacgcagc gcccagctgg gagatgccgt      120
ccagctcgcc tcactccctc ccgctgggtga catccttccc aacaagacac cctgctacat      180
caccggctgg ggccgtctct ataccaatgg gccactccca gacaagctgc agcaggcccg      240
gctgcccgtg gtggactata agcactgctc caggtggaac tgggtggggtt ccaccgtgaa      300
gaaaaccatg gtgtgtgctg gagggtagat ccgctccggc tgcaacggtg actctggagg      360
accctcaac tgccccacag aggatggtgg ctggcaggtc cacggtgtga ccagctttgt      420
ttctggcttt ggctgcaact tcatctggaa gcctacagtg ttactcgag tctccgcctt      480
catcgactgg attgaggaga ccatagcaag ccactagagc caaggcccag ctggc          535

<210> 11900

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<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 ggctgcctca gtggcgtggg caatgtgaca ccagcacntc 240
 tgcagcaggt ngctttgccc ctggctactg tgaatcagtg ccggcagtac tgggggtcaa 300
 gtatcactga ctccatgac tgtgcagggt ggcgagggtc ctctctgtgc cagggtgact 360
 ccggaggccc tcttgtctgc cagaaggga acacatgggt gcttattggt attgtctcct 420
 ggggcaccaa aaactgcaat gtgcgcgcac ctgctgtgta tactcgagtt agcaagttca 480
 gcacctggat caaccagggtc atagcctaca actgagctca ccacaggccc tccccagctc 540
 aaccatttaa agaccagggc 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 ctgcccgttt 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
tgagcccgcg	gctcctgcca	cccctgcctt	aagatttccc	attaaat		407

<210> 11902
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 11902	
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attactttgc	atgggagaaa aatccctcca ccatcttaaa ccctggccac tgtgggagcc 120
tgtcaagaag	cacaggatgt ctgaagtgga aagattataa ctgtgatgca aagttaccct 180
atgtctgcaa	gttcaaggac tagggcaggt gggaagtcag cagcctcagc ttggcgtgca 240
gctcatcatg	gacatgagac cagtgtgaag actcaccctg gaagagaata ttctccccaa 300
actgccctac	ctgactacct tgtcatgatc ctcttctttt ttcttttttc ttcaccttca 360
tttcaggctt	ttct 374

<210> 11903
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 11903	
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ccaaaatggg	gcactatgct gaccaattta aggggaaaac aagtgtctgtg gaacaaacct 120
ttttcctgaa	cacaggagag agtggttaact ttactagttg gagatataag gtatcagtca 180
cactttctgg	aaaagagaaa gtgaatgggt acatcaggat tgctttgtat ggaagtaatg 240
aaaactcgaa	acaatatgag attttcaaag gatccctcaa accagatgca agtcacacgt 300
gtgctattga	tgtggatttt aatgtttgaa aaatacagaa agttaaattc ctctggaaca 360
aacgtgggat	aatctatct gagcccaaac tgggggcttc ccaaatacaca gtgcaaagtg 420
gtgaagatgg	gactgagtat aatttttgta gcagcgacac tgtggaagaa aacgtcttgc 480
aatctcttta	cccttggtta aaacgtgggt cggtatttgc ggtaat 526

<210> 11904
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 11904
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 attatcatac ttcctgcaga aggtatggat atagaagaag tggaaaaact aattactgct 120
 caacaaatcc taaaatggct ctctgagatg caagaagagg aagtagaaat aagcctccct 180
 agattttaaag tagaacaaaa agtagacttc aaagacgttt tgtattcttt gaacataacc 240
 gagatattta gtggtggctg cgacctttct ggaataacag attcatctga agtgtatggt 300
 tccaagtga cgcaaaaagt tttctttgag ataaatgaag atggtagtga agctgcaaca 360
 tcaactggca tacacatccc tgtgatcatg agtctggctc aaagccaatt tatagcaaatt 420
 catccatttc tgtttattat gaagcataat ccaacagaat caattctggt tatgggaaga 480
 gtgacaaatc ctgacacca 500

<210> 11905
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 11905
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 agcctctcga aaccctgtg atgaaactta ctgtggacct gccgcagagt ctgaaaagga 120
 gaccaaggcc ctggctgatt tcatccgcaa caaactctct tccatcaagg catatctgac 180
 aatccactcg tactcccaa tgatgatcta cccttactca tatgcttaca aactcgggtga 240
 gaacaatgct gagttgaatg ccctggctaa agctactgtg aaagaacttg cctcactgca 300
 cggcaccaag tacacatatg gcccgggagc tacaacaatc tatcctgctg ctgggggctc 360
 tgacgactgg gcttatgacc aaggaatcag atattccttc acctttgaac ttcgagatac 420
 aggagatat ggctttctcc ttccagaatc ccagatccgg gctacctgag aggagacctt 480
 cctggcaatc aagtatgttg ccagctacgt cctg 514

<210> 11906
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 11906

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tccccatcta gaactgccat tatcagtgga gtagtgggtc cctgggtctcc tacaaatcct    60
gggacattgg atccccaagc tgtgccaata ctgcctactg tgctagcctg acttcaagct    120
caggtgagag gcacagaatc cacacactta ttgccatcct ctcctattta tctctgagga    180
tcgaccgggg actgggatag aggaaggggtg 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
tgggtctacca gttactatgg agtaaaagaa ttaaactgga ccatctctct ccatatcaat    480
ctggaccatc tctcctctgc taaatttgca tgactgatct ttagtatctt tacctacctc    540
aatttctgga gccct                                     555

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<210> 11907
<211> 568
<212> DNA
<213> Homo sapiens

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<400> 11907
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ttgccaattc cgaagtggag gtcaagtcca ttgtagactt tgtgaaggac catgggaaca    120
tcaaggcctt catctccatc cacagctact cccagctcct catgtatccc tatgggtaca    180
aaacagaacc agtccttgac caggatgagc tggatcagct ttccaaggct gctgtgacag    240
ccctggcctc tctctacggg accaagttca actatggcag catcatcaag gcaatttatt    300
aagccagtgg aagcactatt gactggacct acagccaggg catcaagtac tccttcacct    360
tcgagctccg ggacactggg cgctatggct tcctgctgcc agcctcccag atcatcccca    420
cagccaagga gacgtggctg gcgcttctga ccatcatgga gcacaccctg aatcaccctt    480
actgagctga ccctttgaca cccttcttgt cctcctctct ggccccatcc aggcaaccaa    540
ataaagtttg agtgtaccag gaacagaa                                     568

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<210> 11908
<211> 371
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (150)..(158)

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<223> n is a, c, g, or t

<400> 11908

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gcaagtatgc atctgctgaa aagtgggtgtg 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
tcattgttgtt g	371

<210> 11909

<211> 487

<212> DNA

<213> Homo sapiens

<400> 11909

cacacagagc ttcatttcct gtcttaaaat ctcgttttct cttcttcctt cttttaaatt	60
tcatactctc actccctatc caatttcctt cttatcgtgc attcatactc tgtaagccca	120
tctgtaacac acctagatca aggctttaag agactcactg tgatgcctct atgaaagaga	180
ggcattccta gagaaagatt gttccaattt gtcatttaat atcaagtttg tatactgcac	240
atgacttaca cacaacatag ttctgtctct ttttaagggtta cctaagggtt gaaactctac	300
cttctttcat aagcacatgt ccgtctctga ctcaggatca aaaaccaaag gatgggttta	360
aacacctttg tgaaattgtc tttttgccag aagttaaagg ctgtctccaa gtcctgaac	420
tcagcagaaa tagaccatgt gaaaactcca tgcttggtta gcatctccaa ctccctatgt	480
aaatcaa	487

<210> 11910

<211> 448

<212> DNA

<213> Homo sapiens

<400> 11910

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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
 atgtcagggg gattctggtg gccctgtggt ctgcaatgga cagctccaag gagttgtctc 360
 ctgggggtgat ggctgtgccc agaagaacaa gcctggagtc tacaccaagg tctacaacta 420
 cgtgaaatgg attaagaaca ccatagct 448

<210> 11911
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 11911
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 atcaagaggc cacaagagtg ggaccccagg ggctc 95

<210> 11912
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 11912
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 actgcaaaca agtgtttccc ttgtccaagt ggaggctgcc cacagatggg tcactatgct 120
 gatagatatc ctgggaaaac aaatgatgtg ggccagaaat tttatctaga cactgggtgat 180
 gccagtaatt ttgcacgttg gaggtataag gtatctgtca cactgtcttg aaaaaagggt 240
 acaggacaca tactagtttc ttgttcgga aataaaggaa actctaagca gtatgaaatt 300
 ttcaagggca ctctcaaacc agatagtact cattccaatg aatttgactc agatgtggat 360
 gttggggact tgcagatggt taaatttatt tgggtataaca atgtgatcaa cccaacttta 420
 cctagagtgg gagcatccaa gattatagtg gagacaaatg ttggaaaaca gttcaacttc 480
 tgtagtccag aaaccgtcag ggaggaagtt ctgctcacc tcacaccgtg ttaggagact 540
 actgttattt gaccaatg 558

<210> 11913
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 11913
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 gtccaatgcc gaatgcaaga agtcctgggg caggaggatc accgacgtga tgatctgtgc 120

cggggc 126

<210> 11914
<211> 414
<212> DNA
<213> Homo sapiens

<400> 11914
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atgcagctcc tggcccccg gggatcatta tcaacctgga gaacggtgag ctctgcatga 120
atagtgccca gtgtaagagc aattgctgcc agcattcaag tgcgctgggc ctggcccgt 180
gcacatccat ggccagcgag aacagcgagt gctctgtcaa gacgctctat gggatttact 240
acaagtgtcc ctgtgagcgt ggcctgacct gtgagggaga caagaccatc gtgggctcca 300
tcaccaacac caactttggc atctgccatg acgctggacg ctccaagcag tgagactgcc 360
caccactcc cacacctagc ccagaatgct gtaggccact aggcgcaggg gcat 414

<210> 11915
<211> 545
<212> DNA
<213> Homo sapiens

<400> 11915
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ccaatctctg	agaagcctgc	atggcaccaa	gtacaaagtg	ggaccaatct	gctctgtcat	360
ctaccaagcc	agtggaggaa	gcattgactg	gtcctatgat	tatggcatca	agtactcatt	420
tgcccttgaa	ctgagagaca	cagggcgcta	cggcttcctc	ttgccagccc	gtcagatcct	480
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<210> 11918
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cgtgctccag gattgactgg tggggcttca ggggtgaagaa aaccatggtg tgcgctgggg	300
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agaacggttc ctgggaggtg tttggcatcg tcagctttgg ctcccggcgg ggctgcaaca	420
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<210> 11919
 <211> 491
 <212> DNA
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agtgaccct tcttgaata caacaactac ggctgctact gtggcttggg gggctcaggc	180
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tcgtgctctg gctcggcaat cacctgtagc agcaaaaaca aagagtgtga ggccttcatt	360
tgcaactgcg accgcaacgc tgccatctgc ttttcaaaag ctccatataa caaggcacac	420
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<210> 11920
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 <212> DNA
 <213> Homo sapiens

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cgcctcctca cttgtggtgg ccccgcgctg cgagctcacc gtgtggtccc ggcaaggcaa	180
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ttgtggcaat gactgggtct gtgaacatcg atggcgccaa ataaggaaca tggttaattt	300
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ggcttttggg agaggaaaca gaggattcat tgttttcaac aatgatgact ggacattttc	420
tttaactttg caaactggtc ttcctgctgg cacatactgt gatgtcattt ctggagataa	480

aattaatggc aactgcacag gcattaaaat ctacgtttct gatgatggca aagctcattt 540
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<210> 11923
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 <213> Homo sapiens

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<212> DNA
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tggtcagatc aaagttgctt tgtttggaac taagggaac actcaccagt acagcatctt 300
cagggggatt ctcaaaccag gctcaaccca ttcctatgag ttgatgcaa agctggatgt 360
tggaacaatt gagaaagtca agtttctttg gaataacaat gtgataaatc caaccctccc 420

caaagtgggt gccaccaaga tcactgtgca aaagggagaa gagaagacag tgtacaactt 480
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caagttcagt atcagcatga gccctgggga gctccaaggc tgcagccagg agccccgtag 240

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gaacctgttc tacggccaga agaa 324

<210> 11930

<211> 454

<212> DNA

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gactataggg gtttctttgt tcaaattttt cccacatccc tgagaggctg acatgtgttg 300

ctgtgaccac ttaattgatc ccagcacttt gggaggccaa ggtggatgga tcacctgagg 360

tcaggagttc gagaccagcc tggcgaacat ggtgaaaccc tatctctact aatgatacaa 420

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<210> 11931

<211> 345

<212> DNA

<213> Homo sapiens

<400> 11931

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cctgactcgg tcaaaatatt ttttaaagtc tattgtttgt tgtgcttgct ggtactaaga 180

ggctatttaa aagtataaaa ctgctttgta tccatgaggg ttccattgtg tgttagcagc 240

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<210> 11933
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 <212> DNA
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<210> 11934
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 aagcaaactt acaggtcctg ctgaaactgc ccactctgca agaagaaatc atgatatagc 180
 tttccatgtg gcagatctac atgtctagag aacactgtgc tctattacca ttatggataa 240

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ccccctcctg gttggtcaca gaatgactga caaagacatc gattgatatg cttctttgtg 360
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<213> Homo sapiens

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cccacttgtc tgtaatggtg tgcttcaagg tatcacgtca tggggcagtg aacctgtgac 300
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caccatcgtg gccaacccct gagcaccctt atcaaccccc tattgtagta aacttggaac 420

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 <212> DNA
 <213> Homo sapiens

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 atgaaagagg ggtgggatcc acactgagag agtggagagt gacatgtgct ggacactgtc 180
 catgaagcac tgagcagaag ctggaggcac aacgcaccag acactcacag caaggatgga 240
 gctgaaaaca taaccctctc tgtcc 265

<210> 11938
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 11938
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 ctatatgctg ggtgctgaga cactgatccc cctcatttga tgagcaaag agctactttt 180
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 ccatatatat gggccccatc actgttctgt tccctccatc tatgcacaag ctttacccca 360
 ctctctctaa acctgtaact ttctgactgt cctgtccttg gccagaagga agggagaata 420
 ctgtgttttg gactgtatct cagc 444

<210> 11939
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 11939
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 atgctgatgg tgggtggggac atcagcgta aggagttggg cacgggtgat aggatgctgg 120
 gccagacacc caccaaggag gagctggacg ccatcatcga ggaggtggat gaggacggca 180

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 ctgacgagga gatcgaatct ctgatgaaag acggcgacaa gaacaacgac ggccgcattg 420
 acttcgacga gttcctgaag atgatggagg gcgtgcagta aggagtggac agtcgcctct 480
 accaagatcg cgtgtcccta ggggtgtgga gactccgc 518

<210> 11940
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 11940
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 gcctcaatgt gaagaatgag gagttggatg ccatgatgaa ggaagccagc ggtcccatca 180
 acttcaccgt cttcctgacc atgttcgggg agaagctcaa gggtgccgac cctgaggatg 240
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<210> 11941
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 11941
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 gtgaagaact ttaataactt taccaacatt ggaaaacagc caactacacc attagtaata 180
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 taggtaatat agttaatata tatttataat attatttatc ctttgactct tgcacattct 300
 atgtaccctt ccgatttgtg aagcctacag gaaatctggg tatatggatt tgtaactgca 360
 gaagactatc ttaaaataca ggattttaac atttaagtca tgcacattta acaattacag 420

gttataaatt agtatcaact ttttaaacac atctaattgct tgtaataacg tttactggta 480
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 tatctgagtg ttccacagtt gtatgtcaaa 570

<210> 11942
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 11942
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 cagcacagga ctcatggctg tgctgaaggc agttcgggaa aatgccacac tctactgagct 180
 ccgtgtagac aatcagcgcc agtggcctgg tgatgcagtg gagatggaga tggccaccgt 240
 gctagagcag tgtccctcta ttgtccgctt tggctaccac tttacacagc agggggccacg 300
 agctcgggca gccaggcca 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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 gctcagcctc cctcacatgg gtcctgggtt acattaggta ccgggctgat tgataggcat 180
 ttggccatgg ttccttttcg tctaccttg ggggccttct caggcccaga acaaggctgt 240

tgttactatg	tgaaaaagct	gaccagtgtc	gcacactagg	ggcacacacc	tttccatgag	300
cagctcctgc	cctgtggcga	canncagcgt	gcacccagac	gctgggtgcca	tggcgaanca	360
ggcgttcaag	accatggaga	agacaactcc	tcactctagaa	aatgaggaca	cctcagtgtac	420
aaacacacct	ttttatacca	atcagtatcc	tctgttcatt			460

<210> 11944
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 11944						
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tcctcaagac	aggaatcacc	ttcaaaccgt	tcgagtataa	ggagcatgac	ttccggatgg	180
ctcccaagtt	cctgacacct	ctcatagacc	gcgtgggtcgt	ggctgggtac	tcggcagccc	240
tcaactgtgc	tgtcagaggc	cacccgaagc	cgaagggtggt	ctggatgaag	aacaagatgg	300
aaatccgtga	agatcccaag	ttcctgataa	ccaattacca	aggagtcttg	acgctgaaca	360
tccgtcgccc	ctcgcccttc	gacgctggga	cttacacctg	ccgggccgtc	aacgagctgg	420
gcgaggcgct	ggctgagtg	aagctggagg	tccgagtgcc			460

<210> 11945
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 11945						
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gcggctgaag	aggagaagta	cgacatggag	gtgaggggtgc	agaagaccag	caaggagctg	180
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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
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 agtttgacct gggggcccttg 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 acgcacacct cctcaccaac tcagagctcc 480
 ccttctactt gctccatatg gaacctgctc gtttatggaa ttgctc 527

<210> 11947
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 11947
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 agctgcaagc aaaggtgaaa tcctacaaga gacaagctga agaagcggag gaacaatcca 180
 acgtcaacct ctccaaattc cggaggatcc agcacgagct ggaggaggcc gaggaaaggg 240
 ctgacattgc tgagtcccag gtcaacaagc tgagggtgaa gagcaggag gttcacacaa 300
 aaatcataag tgaagagtaa tttatctaac tgctgaaagg tgaccaaaga aatgcacaaa 360
 atgtgaaaat ctttgtcact ccattttgta cttat 395

<210> 11948
 <211> 341
 <212> DNA
 <213> Homo sapiens

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 <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

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 attcaattat agaatgcaat gagcttggcc aaggggactt tgaatccagc caaggaaact 180
 ttgaatctcg acagctctga gaatcacatt ttcagtgcatt 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
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 gaagtgggtg agaagtaact gagcctgcgc ttgagacctt ctccacgcag caggaagatc 120
 ccaccgaccc ttcctggcct aatccttttag attaggtcac attacattaa cttttaggaa 180
 cccagaccga aaagtgtctg aaagggaagg agacacattc acaaagaaaa gttgcgaaaa 240
 ttgcgaaatc tgttgtgcac gctcaaatga aaacgccttt cggctttggg cttttatttt 300
 tttggaactg cgagtggctt aggtctagcc tcattttggt tttgtttggt tggttttata 360
 ctatattaac ttttattacg gtgacccctt tgtgccatgt tcaaa 405

<210> 11950
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 11950
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 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 ttgctaattgc tt 512

<210> 11951
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 11951
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 gtggttcctg tacgctgagg atgggcctca tgtcaactac agccagctga ctcaattcat 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 accccctgcc 360
 gatgatcttc aagctccggg ccctggacct caccagtggt ctcatgggtcc tcaagatctc 420
 actgccagtc attgggctcg acgaaatcct caagttcggt gctcgga 467

<210> 11952
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 11952
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 gaagttatac cttcctcttc ccctttacca aataaagcaa agtcaaacca tcatctggaa 120
 acagtggcca cttttcactg acctctcttc gacatctagt caaccaccc aatatgccac 180
 tgggtttcgc tcccaattcc accccaccct ccattacaga gctcaccacg ccctcctaga 240
 tcaccgtccc caacacaccc attgcctctc aaggccctta tctcagcccc ttctgtggc 300
 catttcctc agtgcccaga tgattccctg ggtgaggag acactggggc accctcagag 360
 gttggagcag gctccctgct gtccctggat cctggacaga tggctcagta aactgtggga 420

ctaggtgcag acttttgcct tcttggagtc ctgggtctcc tctgagaggt ctgggtggtg 480
ctcctcctac gcctctagag gtctctgtgt tcctcathtt ccttcaaaag cgggc 535

<210> 11953
<211> 345
<212> DNA
<213> Homo sapiens

<400> 11953
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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 tccccagca tctaatacaa 120
atatgcttgg caagaccgag gtcgatttgt cccagcctta ccggagaaaa gagctatggt 180
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ttttcagatc agtggcaatc tcagttccct tgctatgacc ctgctttgtt ctttcccgag 300
aaacagttca gcagtgacca ccaccacat gacatttcaa gcaccacctt aagccagcca 360
gagtaggacc agttagacct aggggtgtgga cagctccttg catcttaaca ctgtgc 416

<210> 11955
<211> 484
<212> DNA
<213> Homo sapiens

<220>
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<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
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 ttcagggaag ttatcttttc ctgtcaatct gtttaaaata tgctatagta tttcattagt 180
 ttggtggtan cttattttta ttgtgtaatg atctttaaac gctatatattc agaaatatta 240
 aatggaagaa atcaatatca tggagagcta acttttagaaa actagctgga gtattttagg 300
 agattctggg tcaagtaatg ttttatgttt ttgaaagttt aagttttaga cactccccaa 360
 atttctaaat taatcttttt cagaaatattc gaaggagcca aaaatataaa acagttctgn 420
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<210> 11956
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 11956
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 agaaacatta taacacatcc catcctgaac aaagaatgtt gtcatagttt cccacatgaa 120
 tattcagaat atttgcatct ttttgtgtca ctactggaat tctgtacaat tatattttaa 180
 tttattgtca tggccttctg gatataggat ccagaaaatt gtacttcat 229

<210> 11957
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 11957
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 ttcaggagca gagcagcgtc ctataatcct agaccttttc atgacgtgta aaaaatgatg 120
 tttcatcctc tgattgcccc aataaaaaatc tttgttgtcc atccctatac aacctgccaa 180
 catggttgac atttaatgag aggaatgtca aaaatacatt ttactttatt caaagaaaaa 240

tatatttggtt actgggaaaa ggtcaagaaa gaggcagaaa gagatcaggg agggctaaag	300
ttgtgtctta tgccaagcgg aagtggaaaa taccactttt cactttatca actgagactt	360
tggggcctgt aagcttgagg caagacagaa ataagagaat caagacttga ttgtaaaaat	420
tgacaacttt agattctgag gctaggctga gtacttatta tacggctaca ttacacatt	480
t	481

<210> 11958
 <211> 466
 <212> DNA
 <213> Homo sapiens

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tgtgaaatat gagttggcga ggaagatcga cctattattg gcctagacca aggcgctatg	120
tacagcctcc tgaagtgatt gggcctatgc ggcccgagca gttcagtgat gaagtggaac	180
cagcaacacc tgaagaaggg gaaccagcaa ctcaacgtca ggatcctgca gctgctcagg	240
agggagagga tgaggagca tctgcaggtc aagggccgaa gcctgaagct gatagccagg	300
aacagggcca cccacagact ggggtgtgagt 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	
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attatatttc cctaactctg aagatgtata tgtagtttaa agcagtttgt aactaaaaac	120
taagtttttg gctgactgtc atattgtggt ccttaatctt gagataaatc caatagaact	180
tttgaataaa agcaaaagta caaatgtcat aattgattcg gtaataagta aaatttcaaa	240
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ctctaattgcc atttttctaa acagtaattg ttactttggt attaaaaatt ggtatggatt	360
cactttttac ttatgttaaa attataccat ttaactggct cttttgtcat tgtgctgt	418

<210> 11960

<211> 434
 <212> DNA
 <213> Homo sapiens

<400> 11960
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 cctattattg gcctagacca aggcgctatg tacagcctcc tgaaatgatt gggcctatgc 120
 ggcccagca gttcagtgat gaagtggaac cagcaacacc tgaagaagg gaaccagcaa 180
 ctcaacgtca ggatcctgca gctgctcagg agggagagga tgaggagca tctgcaggtc 240
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 gtgaagatgg tcctgatggg caggagatgg acccgccaaa tccagaggag gtgaaaacgc 360
 ctgaagaagg tgaaaagcaa tcacagtgtt aaaagaaggc acgttgaaat gatgcaggct 420
 gctcctatth 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
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 cttgaatcac atctatcaac cactggcacc taccaccaag ctggcttcaa ttagtatgtn 120
 gttgcttttt ggtattaaca actaaccgta ctagagacca aagtgaaccc tgatttttat 180
 atgtctttta taatggtgtt ttatctagtg tttttaaatt atcctgtgta gtatttagat 240
 tacctcattg tccattttga ctcatgttgt ttacaagtga aaataaaaac acttgaactg 300
 nntgttttta aaagacaaaa aaggggtaga tgtttggaat gcgtttcact cgcattgcagt 360
 catctggagg gactgaagca ctgtttgcct ttctgtacac tctgggtttt atatttcat 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
 ggcccagca gttcagtgat gaagtggaac cagcaacacc tgaagaaggg gaaccagcaa 180
 ctcaacgtca ggatcctgca gctgctcagg agggagagga tgaggagca tctgcaggtc 240
 aagggccgaa gcctgaagct catagccagg aacaggggtca cccacagact ggggtgtgagt 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 cttagtgcc acccctgtcc 120
 tcaactgtggg gacagaacct tctatgacct ggagcccatc ctgtgccctt 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 tcttggtgaa taccttagaa tagtnttccc cccctttttt tttttttnaa 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 ttttttgtaa actttaggac tgggtggatgg ttggtgtcat 60
ttactaaaat ggggaggatt tgaggtgaaa aaattttagg tgaagagaat aatgctgagt 120
tttaggcaac tattaatatg 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 ggtcaccac 180
agactgggtg tgagtgtgaa gatggtcctg atgggcagga gatggaccg ccaaatccag 240
aggaggtgaa aacgcctgaa gaag 264

<210> 11967
<211> 513
<212> DNA
<213> Homo sapiens

<400> 11967
gtctgagcca gagttgtagc caggccttgc actactgcc a tagccaatca atctcccaa 60
gccaaagttta cctgctgttc tcacccccaa tgaggtctta ggcagattct ttactttgta 120

```

attcaaaagg cctgttaacc ttgtttcttg ttatgcatga ataacttggt gacttttttt 180
ttttctcttt ttcaactagt gtttcaacag gtttatttag attcagaatg taaatttaca 240
aatgatatag atcacctgtg tattgctggt tttcagggac agtagaaagt gttttgtttt 300
ttgagtgaaa caacttatta ataaaaatcc ttaaactact tttgtaatcc aggacaagaa 360
aatgtggcat tagagtagaa atatctttgg aaatgtgaaa gaccccatag tgaaatattt 420
gggatcagaa gccagaggtg taaaagtggg caattcttgg ttacttcat ttaatctttc 480
ttttcataaa gatacatacc tggatttggt 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

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```

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

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<400> 11968
taaaaaatcc tgtactgccc atgtctggta cagaagtatg tatagaattg tagagaaaat 60
gancactttt gggatgattt gaaagcaa atacagaactn accagtttca ccacttttaa 120
acttttgggg aatggccatt tagatataac ctggtgcagt caggtaaccc caaacagagt 180
ttttaaaagt ttccacaccc ttctttgctg gtgcctgccc tgcacatgc tgtcgtgtg 240
aggagggact tgttccagat ctctggggca gcccaggtgn ctcacctaaa gtcacacagc 300
ttccacggaa cattactgga agctcagtga gggccttctg cctctgaaac ttgctctatt 360
tcctcaagt cctgcttctt ttgttaggtt taagacatta gttcctgaga a 411

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<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
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 tagtcaggat ctttatctac agatgtactc tccaggttac ctgtgatgat agccccctaa 120
 tgtcctgcta gaaaagtctc caagcagaga tgacattact tctgaatgct cataaaccac 180
 accatgaaat aaaagctctt tgttgtttta agattgtgaa gtgtcgttna tgggtcccca 240
 cagatgggtcc ctgctggact cacctggaat ctctccacag ccatacccac tcatcactat 300
 cattgagacc tgcacatctt aatagaaata ttataaacat cgaaaatcat gacttaccta 360
 gaagttcgct tgtaactaat gaaattaaac aaatgtgttg ctttntgtc atgtgtttct 420
 ctctgtgac atttcaa 438

<210> 11970
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 11970
 ttaacttcat tttgtatctt gcttaagtag caggctcact aaaattagag aaagtccaat 60
 aactctcccc ctttcccttg agaaatcttt aagtttcgat tctggagcaa aaactttcag 120
 cattaaatat ttcagaggct ccattcacag ctttcagata aactggagtg ttcagatgga 180
 ctgttttaaat aaaaatcttt gagcaagtga gttatggcaa gagaaactca gcctctttct 240
 gtataaactt aacaggggaag 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
aaaactacgg ccatggcagc ctggagctgc tggcggatgt tcagtttgcc ttggggcttc 60
ccttctaccc agcctacgag gggcagtttt ctctggagga gaagagcctg tcgctgaaaa 120
tcatgcagta cttttccac ttcatcagat caggaaatcc caactaccct tatgagttct 180
cacggaaagt acccacattht gcaacccctt ggcctgactt tgtaccccggt gctgggtggag 240
agaactacaa ggagttcagt gagctgctcc ccaatcgaca gggcctgaag aaagccgact 300
gctccttctg gtccaagtac atctcgtctc tgaagacatc tgcagatgga gccaaagggcg 360
ggcagtcagc agagagtgaag 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 gtttaataccc tgtatggata atgcttgaca tttagtggtt 120
tccaaaatat attagtatat tgttgaacat acattatgcc ttagaaatgc acattctgta 180
ttttgtggga tgataatcta attcagtata gaatatgctg tttggcaatg agtttgtggc 240
cagatttcaa atagggagtt aagtgggtact ttcacaatcc aaagatthttt agttaaaaat 300
catgtagtct aatatgctgc agttatthttt ttatatthttt caatgcattt aattatcttt 360
tttataattc tttgtactaa ctcagcatgt aacaaccaat tta 403

<210> 11973
<211> 361
<212> DNA
<213> Homo sapiens

<400> 11973
gaattcgccc tagagctgta tcatgtattht tctttcaaath taactthtgct tgcaattaag 60
cttagggaac cagcaacaaa agcaaacttg gcccgaggct gttcaccgcg aaaatggatt 120

```

agagaaactt cttccccgat ttaaggggaa agattcctgc ggccagcgct ttgggggaaag 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
taaataacctg 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

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```

<400> 11975
ggaagaaagt ccttgctcctt tgagactcag aaggcccan gctccagtat gccatcatga 60
tgcttgctaa ggcagccacc ttggtgtaca tgctcacaga ggctctgttc atggagcagc 120
tgctgtttga aaaattttga aatgcaagat ccacaactag atggaaggca ctctagtctt 180
tgcagaaaaa aatgtacctg aatgtacatt gcacaatgcc tggcacaag aaggaagaat 240
ataaatgata gttcgactcg tctgtggaag aacttaca 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 tgacttgat ctccatgtcg ctggctgctc 180
tgctgatcgg aggcttcgca ggtctcacct cgacggtgat ttgcaggtgg acacgcactg 240
gcactaaatc cacactgccc atctcggaga caggcggagg aactcccgag ctgagatgcg 300
gaaagcacca ggccgtaggg acctcaccgc agcgggccgc agctcaggac tcggagcagg 360
agagtgtcgg gatggaaggc cgggatactc acaggctgcc gagagccctc tgagggcaaa 420
gtggcaggac actgcagaac agcttcatgt tccaaaatc accgtacgac tcttttccaa 480
acacaggcaa atcggaatc agcaggacga ctgttttccc aac 523

```

```

<210> 11977
<211> 162
<212> DNA
<213> Homo sapiens

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```

<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 ccttaggggtg 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 ttgttcgaga tgagatcaaa catcatctat gactccactg cccgaatcag 120

```

```

aaggaacgcc aaaggaaact actgtaagag gaccccgcgc tacatcgact tcaaggagat 180
tgggtgggac tcctggatca tcgctccgcc tggatacgaa gcctatgaat gccgtggtgt 240
ttgtaactac cccctggcag agcatctcac acccaciaag catgcaatta tccaggcctt 300
gggccacctc aagaattccc agaaagcttc caaagcctgc tgtgtgcca caaagctaga 360
gcccatctcc atcctctatt tagacaaagg cgtcgtcacc tacaagtta aatacgaagg 420
catggccgctc tccgaatgtg gctgtagata gaagaagagt cctatggctt atttaataac 480
tgtaaagtgt tatatttggt gttcctatct aatgagatta ttttaataagg 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

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<400> 11979
agcctccttt gcgtcatttt aaacgccctg cttacgcac tagctcctat gcaccttcag 60
tctcaaagaa aactgatgag catcctgcaa ggtacaagat gctngatcag aggatcaaaa 120
tgaaaaagat tcagaacatc tcacataact ggaacagaaa ataggccgag gggaagaaga 180
gagggagtga aggaggggtct acctatctgc ttctcagcac ccaactggcca cagcaggaca 240
cacctccaag acccttggag gctgttggag caggtactat cctgggttgac tccaccaagg 300
tgaaatgaaa gttgtatgtg attttctctt 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 gtcacttttg gcgagttttt cccgtcctgg 120
gatttcatat ctctggaatc ctgcagtacg tagccctctg tctggcttcc tcgctccgtg 180
taatgttctt gagattcatc catgcagctg tgtatacctg cagtgattgt ttctcttggt 240

```


gattgctgag aagggttcca tcgtatgcct tttccagttt atttgttcat ctgttgtag 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 aaacctgggc ccaacatgtg tggattttta 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 ctcatgagc cgaatgaaga agcgggggct 60
gctctcagcc ccctccctga ggtgcctccc tggaccgggg aagtcagccc agcccagaga 120
gatggagggt ccctcgggcg gggcccctgg gactcctctg atcgatctgc cctcctaaaa 180
agcaagctga gggcgctgct cactgcccct cggagcctgc ggagatccag ctgcttcggg 240
ggcaggatgg acaggattgg agcccagagc ggactgggct gtaacagctt ccggtactga 300
agataacagc cagggaggac aagcagggtt gggcctaggg acagactgca agaggctcct 360
gtcccctggg gtctctgctg catttggtgc atcttggtgc catggagtgt tgatcatccc 420
atctaagctg cagcttcctg tcaacacttc tcacatctta tgctaactgt agataaagt 480
gtttgatggt gacttcctcg cctctccac cccatgcatt aaatttta 528

<210> 11983
<211> 461
<212> DNA

<213> Homo sapiens

<400> 11983

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gttcagcctc ggacttgga acgtccgggt tacaggagca gcgcaaccat ttgcagggca    60
aactgtcggg gctgcaggtg gagcagacat ccctggagcc cctccaggag agccccgctc   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 ctttttttta atgtatttat gtatttattt   420
gattgtttta tataagatgg tttcttacct ttgagcacia a                        461
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<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

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cggcagaacc gcctggctga agagaggggt cgacgagagg aggaggagaa caggaggaag    60
gctgaggatg aggcccggaa gaagaaggct ttgtccaaca tgatgcattt tggggggttac   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
tgaagaggg caagggcccc atcaacttca ccgtcttcct cacgctcttt ggggagaagc	180
tcaatgggac agaccccgag gaagccatcc tgagtgcctt ccgcatgttt gaccccgagc	240
gcaaaggggt ggtgaacaag gatgagttca agcagcttct cctgacctag 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
caccgcgtgc cagccgctgg agttgaccgg gctgggcttc gcggagctgc aggacttggt	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